Federal Democratic Republic Of Ethiopia

CENTRAL AGRICULTURAL CENSUS COMMISSION

ETHIOPIAN AGRICULTURAL SAMPLE ENUMERATION, 2001/02(1994 E.C.)

Results for Oromia Region



የግብርና ልማትና ገጠር ልማት
ቢሮ መጋዘን

STATISTICAL REPORT ON

FARM IMPLEMENS, DRAUGHT ANIMALS AND STORAGE FACILITIES

PART VI

Addis Ababa
July ,2003

4/5 AEG0002199. 25/02/96 C-4/5

000 258

Federal Democratic Republic Of Ethiopia

CENTRAL AGRICULTURAL CENSUS COMMISSION

ETHIOPIAN AGRICULTURAL SAMPLE ENUMERATION, 2001/02(1994 E.C.)

Results for Oromia Region



STATISTICAL REPORT ON FARM IMPLEMENTS, DRAUGHT ANIMALS AND STORAGE FACILITIES

PART VI

Addis Ababa
July ,2003

የግብርና ልማትና ገጠር ልማት ሚኒስቴር
ቤተ መጻሕፍት
C. S. A. Library

PREPARED AND PRINTED BY
CENTRAL STATISTICAL AUTHORITY
P.O.BOX 1143 ADDIS ABABA
Tel. 55-30-11

FOREWORD

An agricultural census, which would serve as a source of a benchmark data for the sector has not been conducted in Ethiopia. However, in order to provide basic agricultural information to data users, annual agricultural sample surveys have been carried-out since 1980/81 by the Central Statistical Authority (CSA). Although, these annual sample surveys have some limitations in terms of scope, coverage and level of disaggregation, these surveys have served as a means of narrowing the data gap in the sector.

Considering the importance of the agricultural sector and the need for a comprehensive data, the CSA has requested the concerned government authority to initiate the undertaking of a National Agricultural Census several times. That is, it has submitted a project proposal immediately after the launching of the 1984 National Population and Housing Census. Moreover, it has also attempted to materialize this census in late 1980's and in early 1990's i.e. immediately after the undertaking of the 1994 National Population and Housing Census. The attempt continued till CSA got a positive response from the government in 1998. Hence, the CSA has been carrying out the Agricultural Census preparatory activities from September 1999, to August 2001.

Thus, in order to overcome the above-mentioned limitations on the data generated from the Annual Agricultural Sample Surveys and provide a benchmark data on the agriculture sector, the CSA launched the fieldwork of the first ever Ethiopian Agricultural Sample Enumeration in September 2001. Prior to launching the sample enumeration a number of preparatory activities such as the preparation of the census documents, undertaking the pretests and the pilot censuses, ...etc were also carried-out.

The 2001/02 Ethiopian Agricultural Sample Enumeration was launched under the auspices of the Ethiopian Agricultural Census Commission that was set up

under Proclamation No. 238/2001. The Commission is chaired by the Prime Minister and the members of the Commission are drawn from various relevant Federal Ministries and other government organizations. The Central Statistical Authority serves as the Secretariat Office of the Commission. Hence the collection, processing, evaluation and analysis of the census data as well as its dissemination are the responsibilities of this office.

The 2001/02 Ethiopian Agricultural Sample Enumeration is a huge nation wide operation, which could not be undertaken by a single organization. Hence, in order to enhance and facilitate the census enumeration activities Regional, Zonal, and Wereda Census Commissions have been established and Census Committies were set-up at Kebele levels. In the conduct of this census, full cooperation and assistance of governmental and non-governmental organizations, external donor agencies and the public in general have been obtained.

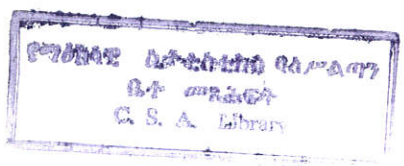
It is worth mentioning that the 2001/02 Crop Production Forecast Report, which is the first phase of the Agricultural Census was prepared, printed and disseminated to agricultural data users in December, 2001.

On the other hand, the census data on area under crop, production and yield of temporary crops consisted of cereals, pulses, oil seeds, vegetables and root crops for Meher Season was processed, compiled, evaluated and a report has been prepared and printed. This report entitled as a "Report on the Preliminary Results of Area, Production and Yield of Temporary Crops" (Meher Season, Private Peasant Holdings) is the Second Census Report so far published printed and disseminated to agricultural data users in October, 2002. It should be noted that during the census, huge sets of data on agriculture and related topics were collected. Given the limited resources (skilled manpower, computers...) available at the head quarters, data processing and summarization of results require quite longer period, than originally expected.

Since the release of the above mentioned Census Preliminary Report, the CSA, have put all the necessary efforts and made all the available resources, (skilled manpower computers,...) at the disposal of the census data processing activities. Consequently, the Authority has reached a stage where the agricultural census data processing activities have advanced to a stage where the data can be evaluated, reports can be prepared and released at regional levels and eventually at national level.

Thus, the Agricultural Census Report on Oromia Region is the eighth series of this census report. This regional report is a comprehensive one and it consists all the agricultural data collected during the 2001/02 Ethiopian Agricultural Sample Enumeration. These data include: the socio-economic characteristics of the population in agricultural households; land use; area, production and yield of temporary and permanent crops; farm management practices; livestock, poultry and beehives; and farm implements, draught animals and storage facilities. Similar comprehensive reports for the other regions will follow and would be released consecutively.

The Office of the Ethiopian Agricultural Census Commission would like to thank all government and non-government agencies who participated in the organization of the census, the supervision of the field work, the data collection, and the respondents who participated in providing the necessary census data. The Ethiopian government has given huge financial and unreserved administrative support in undertaking the 2001/02 Ethiopian Agricultural Sample Enumeration. This indicates the continuous commitment and high priority offered by the Ethiopian Government for the development of the agricultural sector statistics as well as the other socio-economic and demographic statistics.



Finally, the Office would also like to take this opportunity to express its many thanks to the United States Agency for International Development (USAID) for its generous financial and technical assistance for the census. Moreover, thanks are due to the European Union (EU) for its financial assistance and the British Department for International Development (DFID) for its material assistance for the census.

Abdulahi . Hassen (Ph.D.)

Member and Secretary,

Central Agricultural Census Commission

TABLE OF CONTENTS

Page

FOREWORD I

Table of Contents V

List of Summary Tables VI

List of Statistical Tables VIII

CHAPTER I: BACKGROUND 1

1. Introduction 1
2. Objectives of the Census 2
   - 2.1 The General Objectives 2
   - 2.2 The Specific Objectives 3

CHAPTER II: CENSUS METHODOLOGY AND OPERATIONS 5

1. Introduction 5
2. Census Methodology 8
   - 2.1 Scope and Coverage 8
   - 2.2 Sampling Frame 9
   - 2.3 Sample Design 10
   - 2.4 Sample Selection of Primary Sampling Units 10
   - 2.5 Listing of Households and Selection of Agricultural Households 10
3. Census Operations 11
   - 3.1 Organization of Field work 11
   - 3.2 Training 13
   - 3.3 Method of Enumeration 14
   - 3.4 Census Forms and Field Equipment 16
     - 3.4.1 Census Forms 16
     - 3.4.2 Field Equipment 18

Page

3.5 Quality Control in Data Collection 19

3.5.1 Concepts and Definitions 21

4. Data Processing 25

4.1 Editing, Coding and Verification 25

4.2 Data Entry, Cleaning and Tabulation 26

5. Measures of Precisions of Estimates 27

CHAPTER VIII: FARM IMPLEMENTS, DRAUGHT ANIMALS AND STORAGE FACILITIES 29

1. Introduction 29

2. Classification of Farm Implements and Other Farm Equipment and Draught Animals 31

3. Estimates of Farm Implements, Draught Animals and Storage Facilities 33

3.1 Farm Implements and Tools 34

3.2 Draught Animals 35

3.3 Storage Facilities 36

Statistical Tables Presenting Results at Zone and Wereda Levels 39

Annex Tables Presenting Estimates, Standard Errors and Coefficients of Variation for Selected Livestock Variables 317

APPENDIXES 333

APPENDIX I: Estimation Procedures of Totals, Ratios and Sampling Errors 335

APPENDIX II: Number of EAs and Agricultural Households Sampled and Covered by Wereda 338

APPENDIX III: Census Questionnaires 353

LIST OF SUMMARY TABLES

Page

CHAPTER VIII: FARM IMPLEMENTS, DRAUGHT ANIMALS AND STORAGE FACILITIES 29

Summary Table VIII.1 Number and Percentage of Holders Reporting Implements and Other Farm Equipment by type, Quantity Reported, Replacement Value and Duration of Implement for Private Holdings 36

Summary Table VIII.2 Number and Percentage of Holders Reporting Draught Animals, Quantity Reported, Replacement Value and Duration of Implements, for Private Holdings 37

Summary Table VIII.3 Number and Percentage of Holders Reporting Storage Facilities, Quantity Reported, Replacement Value and Storage Capacity, for Private Holdings 37

Summary Table VIII.4 Number of Crop Holders that Owned Farm Implements, Equipment and Draught Animals.....38

LIST OF STATISTICAL TABLES

Page

Tables 8.1A - 8.28B - Farm Implements, Draught Animals and Storage Facilities.....39-316

CHAPTER I
BACKGROUND

1. INTRODUCTION

A nation has to feed its people adequately to have healthy and wealthy citizens for the promotion of its development and growth. A government concerned with the well being of its people and aiming at the rectification of the national economy makes agriculture its top priority for the achievement of the above goals. Policy making and decision taking are essential in this regard. But there are recognized constraints such as the availability of adequate and comprehensive statistical data on agriculture that guides policies and decisions for attaining development targets in the agricultural sector.

In recognition of these constraints, and in an effort to provide accurate, reliable and timely data on the nation's agriculture that policies and decisions entail, the Central Statistical Authority (CSA) has been conducting annual agricultural sample surveys since 1980/81 (1973 E.C.). As a result, data on area, production and yield of major crops, farm management practices, land use, livestock, poultry and beehives have been produced at country, regional and zonal levels for both Meher and Belg seasons on a yearly basis.

Despite this effort, the economic policy has recently focused on agricultural sector and data users became more sophisticated demanding for various data in greater detail on timely basis, with improved accuracy and reliability and highly disaggregated to levels where project planning and implementation take place. Hence, the existing data that has resulted from the regular annual agricultural sample survey could not meet these demands. Accordingly, these needs led the CSA to reappraise the agricultural data it has produced so far and realized the gap between the demand for agricultural data and the data supplied is widening. Thus, as an organization situated between the data and its users, the CSA was prompted by the gravity of the demand for more detailed data to embark upon a census of agriculture in the year 2001/02 and narrow the existing data gap.

Development and monitoring of the agricultural sector require data on a wide range of indicators. A census of agriculture is the leading source of such data. It provides an image of a nation's farming and agricultural activity at a particular point in time (an agricultural production year) for the data disaggregated at the lowest level of reporting.

In Ethiopia, prospects and policies regarding agriculture have evolved significantly over recent years. Economic problems have been the major factor in development and implementation of these policies and programs. The agricultural policies and programs are targeted at ensuring that food crops will be made available to those who need it and don't obtain enough of it or guaranteeing everyone access to safe and nutritious food. To put it in a nutshell: it is to create and maintain food security. The realization of this goal requires the implementation of the policies and programs at woreda level and make available agricultural statistics at corresponding administrative level. It is against this background that the census was conducted to monitor the trends and the changing patterns in agricultural production with the acquisition of agricultural statistics at wereda, zonal, regional and country levels.

2. OBJECTIVES OF THE CENSUS

There are fundamental problems prevailing in the agricultural sector that are especially affecting the rural population and often perceived as the maladies of the Ethiopian economy. In order to solve these problems gradually but steadily, the Ethiopian government has been developing various agricultural programs and schemes. To effect these programs and meet other objectives, the census is the appropriate method of data collection for providing much needed and more detailed statistical information on agriculture.

2.1 The general objectives are to: -

- Provide benchmark data on the structure of agriculture for planning, policy making and other uses during intercensal years,
- Provide detailed data at lower administrative level,

- Use the census as a vehicle for developing the national agricultural statistics system,
- Secure data for items whose production is limited (rare crops),
- Secure benchmark data for improving the annual agricultural sample survey in the future,
- Make use of the census experience and trained personnel for capacity building and strengthening the Ethiopian Statistical Authority in the field of agricultural statistics, and
- Develop data bank with facility for updating consistency checks and retrieval of data in various forms tailored to the needs of the users.

2.2 The specific objectives are to provide: -

- Basic information on the country's agriculture to the government for formulating and implementing timely food security measures and to alert policy makers about the food situation in the country,
- Information to the government to develop and monitor farm programs, study historical trends, appraise current conditions and plan for the future,
- Information for the government to design and allocate funding for extension service projects, and
- Data for the private sector in order to execute the effective production and distribution system in the agricultural sector.

This report presents the Agricultural Sample Enumeration results for Oromia Regional State. It comprises of eight chapters: Chapter I presents the Background and the Objectives of the Census, Chapter II discusses the Census Methodology and Operations which is composed of Scope and Coverage of the Census, Sampling Frame, Sample Design, Sample Selection, Organization of Field Work, Training of Field Staff, Method of Enumeration, Concepts and Definitions and Data Processing. Chapter III deals with Socio-Economic Characteristics of the Population in Agricultural Households. Chapter IV covers Land Utilization and Chapter V deals with Area and Production of Crops and Crop Utilization .

Moreover, Chapter VI treats Farm Management Practices. Further, in Chapter VII of this report, Size, Characteristics and Purpose of Livestock and Livestock Products are discussed. Finally, in Chapter VIII the census results are presented on Farm Implements, Draught Animals and Storage Facilities.

As given above, the Agricultural Census report for Oromia Regional State constitutes eight Chapters presented on over four thousand pages. Hence, it is neither possible nor comfortable to the reader to present it as a single report. Accordingly, the report is presented in "Six Parts" with the Introductory Chapter (i.e. Chapter I) and The Census Methodology and Operations (i.e. Chapter II) as common inputs to each Part. Thus,

- *Part I constitutes the first two common Chapters and Chapter III.*
- *Part II includes the first two common chapters and Chapter IV.*
- *Part III:*
  - *Part III.A consists of the first two common Chapters and Area and Production of Temporary Crops (i.e. Section 2) from Chapter V,*
  - *Part III.B comprises of the Introductory Section (i.e. Section 1) and Area and Production of Permanent Crops (i.e. Section 3) from Chapter V, and*
  - *Part III.C consists of the Introductory Section (i.e. Section 1) and Crop Utilization (i.e. Section 4) from Chapter V.*
- *Part IV:*
  - *Part IV.A includes the first two common Chapters and the Introductory Section (i.e. Section 1) and Cropland Area Under Agricultural Inputs and Farm Management (i.e. Section 2) from Chapter VI.*
  - *Part IV.B consists of the Introductory Section (i.e. Section 1) and Holders Applying Fertilizers and Quantity of Fertilizer Applied (i.e. Section 3) from Chapter VI, and*
  - *Part IV.C includes the Introductory Section (i.e. Section 1) and Sections 4 – 8 of Chapter VI.*
- *Part V constitutes the first two common Chapters and Chapter VII. Finally,*
- *Part VI comprises the first two common chapters and Chapter VIII.*

Also, each Part of the report encompasses Appendix I that shows the Estimation Procedures of Totals, Ratios and Sampling Errors; Appendix II gives the Number of EA's and Agricultural Households Sampled and Covered in the region by wereda; and Appendix III shows the Agricultural Sample Enumeration Questionnaires. Moreover, tables that show the Standard Errors (S.E.) and Coefficients of Variations (C.V.) are given as an annex at the end of the relevant chapters.

CHAPTER II

CENSUS METHODOLOGY AND OPERATIONS

1. INTRODUCTION

As explained in the introductory chapter of this publication, the census of Agriculture is a large-scale, periodic statistical operation for the collection of quantitative information on the structure of agriculture. Such a huge operation demands sequence of standard activities. In order to collect, process and produce reliable and internationally comparable data, the different technical procedures and operations that have to be applied during the census should follow what has been globally recommended.

Hence, this chapter highlights what has been exercised before and during the census operations in areas of subject and area coverage, census methodology, (such as sampling frame, sample design, listing and selection of primary sampling units and households), and census operations that included organization of field work, training, method of enumeration, quality control and data processing.

The scope of the agricultural census concerns the type and dimension of data to be collected. When the CSA has launched the planning of the census, it solicited the demand of data from various government and non-government organizations which are the major users of the resulting census data. The response was just overwhelming and put the CSA in an awkward position to decide on the scope. The decision on the range and extent of data items to be dealt with by the census is really hard to make given the size of the country's population engaged in agriculture, the limited human and financial resources, and the magnitude of the census work. The CSA had to strike a balance between the scope on the one hand and the available resources and time on the other hand so that there was a trade-off between the two. Since the census of agriculture is not a frequent data collection activity, it is best suited for collecting more data on various characteristics relating to area and production of crops. It lends the opportunity of capturing as much data as possible, especially when it is conducted

for the first time. But agricultural census is not a practical means of providing all data. Not all agricultural statistics can be collected through a census of agriculture. Hence, there was caution against overloading the agricultural census forms with extensive scope. Thus, with regard to the scope, the census had to be restricted to a coherent and manageable range of data items.

In this census the data collected include: demographic and economic characteristics of population in agricultural households and holders during the reference period; area, production and yield of both temporary and permanent crops harvested in the farming of Meher as well as Belg Seasons; farm management practices envisaged during both seasons; land use under major categories; and livestock, poultry and beehives. It also includes data on farm tools, implements, draught animals and storage facilities. The data collection on the production of vegetables and root crops, which was not covered by the annual agricultural sample survey, was also included in this census.

The cost of data collection is one of the most important factors in the planning and execution of a census. In a country like Ethiopia including the Oromia Region, where in addition to the problems mentioned above, transportation and communications are poor and the resources available are limited to meet the cost of a census tend to be major problems. The problem is more pronounced when deciding on the extent of census coverage.

A decision whether to carry out a complete enumeration or to plan a sample enumeration of holdings depends on the availability of resources and the level at which the census results are required. This holds true whether the results will be provided at wereda level or higher administrative hierarchies. With these constraints and extremely large number of holdings in the country's agricultural system and considering the huge cost required and timely production of the data, with the aim of providing the results at wereda level where almost all the agriculture is undertaken by small holders, a census of agriculture on the basis of sample enumeration was adopted by the CSA. In a census that aims in securing data on more agricultural items with reasonable accuracy at wereda level, a well-defined sample

enumeration is more manageable, efficient and is expected to produce equal or better quality data than a complete enumeration and is able to provide results in a more timely fashion.

Oromia is a regional state with an estimated population of 23.704 millions in July 2002 and an area of 353,006.81 sq. kms. For administrative purposes, the Region is divided into 12 zones and 189 weredas. Agriculture is the dominant sector in the region and biggest employer of the economically active population. The sector in the Region is further characterized by extremely small holdings, mostly private peasant holdings, dispersion of cropland holdings, traditional farming and low level of literacy among the holders.

The Oromia Region Agricultural Sample Enumeration has covered adequately representative and sufficiently large number of units (holdings) engaged in agriculture both in rural and urban areas to produce relatively reliable data at wereda level. For the purpose of this census, three farming categories have been identified: rural private holdings, urban private holdings and commercial farms. All the categories have been treated in the census on sample bases except the last one that was enumerated completely. These farming categories were enumerated at different times of the census year in order to capture the data as the events happened. The census data collection operation took about six months for Meher seasons and 2 months for Belg season to cover the rural private holdings, about 10 days to cover the urban private holdings and about one month to cover the commercial farms.

In order to improve the coverage, there has been extensive census publicity in the census operation exercise. This helped to sensitize and gain the cooperation of the respondents during data collection. In these efforts, adhoc census committees have been established and replicated to the lowest level of administration that is Farmers Associations and this helped the smooth conduct of the census and raising public awareness to achieve the intended coverage.

2. CENSUS METHODOLOGY

2.1 Scope and Coverage

The 2001/02 (1994 E.C.) Ethiopian Agricultural Sample Enumeration (EASE) was designed to cover the rural and urban parts of all weredas in the country on a large-scale sample basis. This coverage encompasses 460 weredas in 58 administrative zones of the country excluding the pastoralist areas of the Afar and Somali Regional States. In these weredas the originally selected primary sampling units amounted to 11,292 rural and 4,378 urban Enumeration Areas (EA's).These EA's were selected at wereda level to be covered in the EASE, in order to provide data on agriculture at these administrative levels in the country.

At the time of the census, Oromia Regional State consisted of 12 zones, 189 weredas and 366 towns. The rural parts of the region have a total of 18,941 EA's while the urban parts have a total of 2,412 EA's.

In the 12 zones of the region, 188 weredas were covered in the census. In these weredas, 4,687 rural EA's and 1,796 urban EA's were sampled but EA's that were covered in the census and found to be acceptable for tabulation amounted to 4,671 in the rural areas and 1,793 EA's. in the urban areas. The remaining one wereda and 9 EA's were not covered in the census due to various reasons. With respect to ultimate sampling units (agricultural households), it was planned to cover 140,610 agricultural households in rural areas and 52,953 in urban areas but about 139,892 rural and 52,825 urban agricultural households were actually covered. Based on the results of the census, for the rural parts of the region, the coverage rate of sampled EA's was 99.6 percent and the response rate of sampled agricultural households was 99.5 percent. The coverage and the response rate in the urban domain was 99.8 percent. The coverage of sampled EA's and agricultural households by wereda are given in Appendix II.

TABLE II:1 AREA COVERAGE OF THE 2001/02 (1994 E.C.) AGRICULTURAL SAMPLE ENUMERATION IN **OROMIA** REGION

ZONES	NUMBER OF WEREDAS AND TOWNS BY ZONE				NUMBER OF EAs COVERED IN THE CENSUS	
	TOTAL		COVERED IN THE CENSUS			
	WEREDA	TOWN	WEREDA	TOWN	RURAL	URBAN
West Wellega	20	35	20	35	499	156
East Wellega	19	34	19	34	470	134
Illubabor	13	27	13	27	322	97
Jimma	13	29	13	29	325	123
West Shewa	23	46	23	46	575	233
North Shewa	12	24	12	24	300	108
East Shewa	12	32	12	32	300	218
Arsi	20	50	20	50	499	242
West Harerghe	11	21	11	21	273	100
East Harerghe	16	30	15	30	371	107
Bale	18	22	18	22	445	153
Borena	12	16	12	16	292	122
Region Total	189	366	188	366	4671	1793

2.2 Sampling Frame

The list of enumeration areas for each wereda was compiled from the 1994 Ethiopian Population and Housing Census cartographic work for theOromia Region and was used as a frame for the selection of the Primary Sampling Units (PSU). The 1994 Population and Housing Census enumeration area maps of the region for the selected sample EA's were updated, and the EA boundaries and descriptions were further clarified to reflect the current physical situation. The sampling frame used for the selection of ultimate sampling units (agricultural households) was a fresh list of households, which was prepared by the enumerator assigned in the sampled EA's using a prescribed listing instruction at the beginning of the launching of the census enumeration.

2.3 Sample Design

In order to meet the objectives and requirements of the EASE, a stratified two-stage cluster sample design was used for the selection of ultimate sampling units. Thus, in the region, each wereda was treated as stratum for which major findings of the sample census are reported. The primary sampling units are the enumeration areas and the agricultural households are the secondary (ultimate) sampling units. Finally, after the selection of the sample agricultural households, the various census forms were administered to all agricultural holders within the sampled agricultural households.

For the private peasant holdings in the rural areas a fixed number (25) of sample EA's in each wereda and 30 agricultural households in each EA were randomly selected (determined). In urban areas, weredas with urban EA's of less than or equal to 25, all the EA's were covered. However, for weredas with greater than 25 urban EA's, a sample size of 25 EA's were selected. In each sampled urban EA, 30 agricultural households were randomly selected for the census. The sample size determination in each wereda and thereby in each EA was based upon the required precision level of the major estimates and the cost consideration. The pilot survey and the previous year annual agricultural sample survey results were used to determine the required sample sizes per wereda.

2.4 Sample Selection of Primary Sampling Units

Within each wereda (stratum) in the region, the selection of EAs was carried out using probability proportional to size systematic sampling. In this case, size being total number of agricultural households in each EA obtained from the listing exercise undertaken in the 1994 Ethiopian Population and Housing Census of the region.

2.5 Listing of Households and Selection of Agricultural Households

In each sampled enumeration area of the region, a complete and fresh listing of households was carried out by canvassing the households in the EA. After a complete listing of the households and screening of the agricultural households during the listing operation in the selected EA, the agricultural households were serially numbered. From this list, a total of 30 agricultural households were selected systematically using a random start from the pre-

assigned column table of random numbers. The sampling interval for each EA was determined by dividing the total number of agricultural households by 30. For crop cutting exercise purposes (rural domain) a total of 20 agricultural households were randomly selected from the 30 sampled agricultural households. The systematic random sampling technique was employed in this case, because its application is simple and flexible, and it can easily yield a proportionate sample.

In the urban parts of the region, 1,793 EA's in the 366 towns were covered. Then, the listing of households in each E.A. was carried-out. In the listing exercise households that are considered agricultural households were identified. Then, the agricultural households listed in the E.A. amounted upto 30, all such households were covered in the enumeration. However, if such households exceeded 30, then 30 households were systematically selected among the listed and identified agricultural households in the E.A. and were covered in the enumeration.

Estimation procedure of parameters of interest like total, yield and ratio and their sampling errors is presented in Appendix I. Standard errors and coefficients of variation of estimates for selected variables are given as an annex at the end of the relevant chapter.

3. CENSUS OPERATIONS

3.1 Organization of Field Work

The magnitude of the census operation was a challenge to the Central Statistical Authority (CSA) to organize and mobilize human, material and financial resources. But the CSA's capacity was enhanced to cope with these limitations, especially the logistics involved in the operation by the issuance of the Agricultural Census Act and establishment of adhoc structures.

Since the census operation was too large to direct and control effectively from the Head Quarters, field organization was used as a link between the sources of data and the central office. Field organization comprised the branch statistical office in the region constituting six offices i.e. one each in Nekemte, Jima, Nazareth, Goba, Ambo and Asebe Teferi and an

additional five temporary Branch Census Offices i.e. one each in Gimbi, Woliso, Shambo, Metu and Asela. These eleven offices were augmented with supervisors, enumerators, other support staff, logistics and the temporary structures. The temporary structures included the establishment of census committees at the regional, zonal, wereda and establishment of this committee went down to the lowest administrative hierarchies, i.e. to the peasant association levels in order to enlist support and cooperation from the local people. In addition to the committees, commendable cooperation and assistance were also extended by other governmental and non-governmental organizations in the region at different stages of the census.

The field organization was required for the data collection operations and for the strict control and supervision of the fieldwork. The enumerators were the responsible field staff for data collection. They were full time enumerators hired on a contract basis. Most of them were recruited from localities in which they were assigned to undertake the data collection activities. At country level, for census undertaking in the rural parts of the region, a total of 12,398 enumerators were recruited, trained and hired for the census data collection and 1,199 of whom were held as reserve. Moreover, for undertaking the census in the urban parts of the country, a total of 4,378 enumerators were selected from those who were hired for the rural parts of the country. Of this total, the Oromia Region had a share of 5,157 enumerators, where 470 of them were held as reserves. For undertaking the census in the urban parts of the region 1,796 enumerators were selected out of those who were assigned in the rural EA's. The enumerators had an educational background of grade 12 and above. During the data collection operation, the enumerators lived in their places of assignment i.e. the sample EA. During the census, each enumerator was accompanied by a guide and an assistant who is familiar with the people and well informed about the agricultural practices in the area.

The CSA permanent supervisors in the region were responsible for recruitment, selection, and training of enumerators, and census supervisors. Moreover, they were responsible for supervision of data collection, remuneration, retrieving and dispatching the completed forms to their respective Branch Statistical Offices. They were also responsible for handling

administrative and other technical problems. At country level, a total of 2,240 supervisors were involved in the census. The supervisor-enumerator ratio was 1:5 and supervision was carried out on regular basis. The supervision was coordinated and monitored by professional staff of the CSA. The logistics equipment of the census included programmable calculators, field compasses, measuring tapes and kitchen balances each numbering about 14,000. Moreover, it included 273 four wheel drive vehicles and numerous other instruments. Each enumerator was provided with all the necessary logistics equipment for the data collection. In Oromia Region, a total of 1,007 supervisors and 5,157 enumerators were involved and various field equipment were given to these field staff. The equipment used include, 89 field vehicles, 4,721 programmable calculators, 4,970 field compasses, 4,970 measuring tapes, 4,970 kitchen balances, ... etc.

3.2 Training

The success of a census operation and data quality depend on the type of training given to the enumerators and supervisors. The training helps the enumerators and supervisors secure a common understanding of the tasks to be performed and the standard procedures to be followed in census undertaking. Good data quality is assured when the training meets its objectives and the enumerators and supervisors show a sense of responsibility and enthusiasm in the exercise of the census operation.

In view of the above point, the CSA organized a two stage training programme, that is, training of trainers followed by training of the field staff. The first stage training was given at the CSA Head Quarters in Addis Ababa, to the trainers consisting of professional staff from the CSA Head Quarters and the CSA Branch Statistical Offices and other relevant federal, regional and zonal government organizations and senior CSA supervisors. The training that lasted for 30 days, included classroom sessions, field practices and demonstrations 550 trainers took part in the training.

The first stage training was then followed by the second stage training, and it took place at country level in 47 training centers located in different zones. The training activity for the Oromia Region were held in Nekemte, Jima, Nazareth, Goba, Ambo, Asebe Teferi , Gimbi,

Woliso, Shambo, Metu and Asela Towns. Extensive training was given to the field staff. The instructions in the training focused more on the procedures and techniques of data collection and the responsibility shouldered both by the enumerators and the supervisors. The instructions, details of techniques and procedures of enumeration were covered in the manual. The manual served as an instruction text and a reference guide. The rigorous theoretical training was emphasized by a series of field practice and demonstrations. After about 50 days of training and field practice, a regorous examination prepared at the census headquarters, in Addis Ababa, was given to the enumerators and supervisors at each training center. Based on the examination results only those enumerators who passed the exam were hired and assigned to their enumeration areas.

3.3 Method of Enumeration

In Ethiopia, where a significant number of the farming population live in remote and inaccessible areas, data collection is time consuming and cumbersome. The problem is further aggravated by the large number of peasant holding operators, their geographical spread, high level of illiteracy among the operators and scattered land holdings. In such a situation where the agricultural statistics system has not been fully developed, besides the above problems, the appropriate enumeration method is house to house interviewing of holders and objective measurement of their holdings and crop yields.

Accordingly, most of the information on crop area and yield was elicited from the holders through interview and the remaining information was obtained by physically measuring the data items of interest. This was done by enumerators who identified the selected holders, interviewed them, measured all their crop fields using measuring tapes, field compasses, and scientific calculators. Moreover, they harvested and weighed the yields obtained using kitchen balances from plots of randomly selected crop fields.

As in many countries, a phased approach to the census was also used in Ethiopia in order to make the workload of manageable size and capture the data as the events unfolded. The first phase of the census was collection of data on demographic and economic characteristics of the rural peasant household; the second one was farm management practices of these rural

peasant households using an interview method for both seasons. Data on crop area and yield of temporary and permanent crops was collected in the third phase of the census by visiting the farm operators and physically measuring the crop fields since the farmers are not familiar with standard units.

All crop fields of the randomly selected holders in each enumeration area were measured using the FAO recommended method. That is, first by identifying the boundaries of the fields, determining their shape which was mostly irregular and taking compass bearings of

each side with respect to the north. This is followed by measuring the length of each side of the field and using a programmable calculator to arrive at both the area of the field and the closure error. The objective of arriving at the closure error is to find out how well the field was measured.

The responses to the interview and results of the measurement were recorded on a structured questionnaire. The interview method helped on the spot clarification of objectives, concepts and form of information sought from the respondents during the interview.

Since crop production is a function of area and yield, yield measurement was done using the crop-cutting method. The method involved crop-cutting from small subplots of rectangular shape of different sizes randomly placed in the selected crop field for each crop type and subsequent threshing, drying and weighing and recording the weight of the harvest. The crop cutting was performed for a sub-sample of 20 out of the 30 households selected in each enumeration area. A 4x4 meter plot was randomly demarcated for cereals, pulses, and oil seeds and one square meter or 1 meter x 2 rows plot was designated for vegetables and root crops for the crop-cutting exercise.

The yields harvested from the plots were immediately weighed (green weight) and /or weighed again after two weeks of drying to conform to the normal holder harvesting and drying practices. The green and dry weights were recorded on the appropriate form.

Data collection activity on livestock, poultry and beehives in the rural areas; all agricultural data in urban areas; commercial farms, and farm implements including miscellaneous items were the fourth, the fifth, the sixth and the seventh phases of the census, respectively, where subjective approach was applied for all these phases. However, the Belg season area, production and farm management practices data, which was the eighth phase of the census, involved both objective and subjective methods, i.e., fields under temporary crops were objectively measured while the production and farm management practices data were collected by interviewing the sample agricultural holders.

3.4 Census Forms And Field Equipment

3.4.1 Census Forms

Forms and equipment are instrumental in gathering information from various sources. The census forms are the vehicle and basic document for collecting the desired data. These include general-purpose forms covering farm management practices, demographic and economic characteristics, area, production of both temporary and permanent crops; livestock, poultry and beehives, ...etc. These forms are formulated for recording data generated through interview as well as objective measurements.

Although the planning, organization and execution of the census were the responsibilities that rested within the CSA, development of the census forms was a tedious task that involved the formation of a working group composed of members of government and non-government organizations who are major users of agricultural data. Members of the working group were given the opportunity to identify their data requirements, define the needs of others and determine the specific questions that the forms should contain. The working group included the staff of the organizations that are involved in agricultural planning, collection of agricultural statistics and the use of data within the agricultural sector.

The working group designed different forms for the various data items on crop area, production, and other variables of interest to meet the needs of current data users and also

considered the future expectations. Attempt was made to make the content of the forms of acceptable length by distributing the variables to be collected in the different census forms. As can be observed in the census questionnaires presented in Appendix III, the rural census questionnaires/forms include:-

- The listing forms 94/0 and 94/1 that are used to record all households in the enumeration area, identify the agricultural households and select the units to be covered by the census.

- Form 94/2 is developed to list all the members of the sampled agricultural households and record the demographic and economic characteristics of each of the members.

- Forms 94/3A, 94/3B, 94/3C and 94/3D *[1] are prepared to enumerate crop data through interview and objective measurement.

- Form 94/5 is designed to record crop area data via the physical or objective measurement of crop fields.

- Form 94/6 is used to list all the fields under crop and select a crop field for each type of crop randomly for crop cutting exercise.

- Forms 94/7A, 94/7B, and 94/7C are developed for recording yield data on cereals, oil seeds, pulses, vegetables root crops and permanent crops by weighing their yields obtained from sub-plots and/or trees selected for crop-cuttings.

- Form 94/8 is prepared to enumerate livestock, poultry and beehives data by type, age, sex and purpose including products through interview (subjective approach).

---

* *Form 94/4 was the questionnaire used for collecting data on crop production forecast for 2001/02 and the data collected using this form was published in December 2001*

- Forms 94/9, 94/10 and 94/11 are used to collect data on crop and livestock product usage; miscellaneous items and farm tools, implements, draught animals and storage facilities, in that order, by interviewing the sample holders.

- The last but not least forms are the Belg season questionnaires identified as :- 94/12A and 94/12B that are used to record data on farm management practices of the season subjectively, while 94/12C is for recording Belg season crop area through objective measurement and volume of production through interview approach.

On the other hand, the census questionnaires/forms used in the urban areas include:-

- Form U-94/1 which used to record all households in the EA, identify the agricultural households and select the units to be covered by the census.

- Form U-94/2 is developed to list all the members of the sampled agricultural household and record the demographic and economic characteristics of each of the members.

- From U-94/3 is prepared to enumerate crop data through interview method.

- Form U-94/4 is prepared to enumerate livestock, poultry and beehives data by type, sex, age and purpose including products through interview (subjective approach).

- Form U-94/5 is used to collect data on crop and livestock usage.

The clarity of the forms was reinforced by the enumerators' as well as the supervisors' instruction manuals that dealt with an extensive elaboration on data collection with regard to the variables in the various forms.

3.4.2 Field Equipment

A census of agriculture involves the coverage of a large number of variables. Moreover, most of the data (variables) needed are of quantitative nature. But, as in most developing

countries where illiteracy is high, in Ethiopia and thereby in the region, holders neither keep the records of the size of their holdings' and amount of their crop production, nor do they know standard units to measure the size of land they operate and volume of crop they produce. Under such circumstances, collecting data only through an interview has many limitations and it is not easy for an enumerator to obtain relatively accurate information on the volume of production and area under crops.

In order to overcome these shortcomings in the census, quantitave data on area under crop and yield of crops have been collected through objective measurements from designated plots of crop field. Fields under crops were measured by compass traversing. That is, by measuring the lengths of the sides of each crop field and taking compass bearings. Measuring tapes each 20-50 meters, compasses with a half degree precision, metal pegs and programmable calculators for computing the area were used. Besides the above equipment, balance scales and bags made of cloth were used for yield measurements and drying. Area and yield measurements were the most cumbersome and time consuming aspects of the census as the enumerators had to visit all the fragmented and scattered crop fields of the holders.

3.5 Quality Control in Data Collection

The quality of official agricultural statistics should be relatively high in order to provide maximum benefit to users. The CSA, as a producer of statistics, has been concerned about the quality of the data right from the conception of the agricultural census. It has made every endeavor to maintain the data quality by lending more attention to those aspects of the census that affect the quality of the data.

Nearly all census activities starting from the designing of the questionnaires to data processing have significant impact on the quality of data. Efforts have been put into each activity of the census to assure data quality. Forms were designed sufficiently in advance of the commencement of the census enumeration in the field in order to have ample time for pre-testing, under-taking the pilot census and providing training to the enumerators. The forms were pre-tested in different parts of the country for about three times in addition to

their application in the pilot census. Concepts and definitions used in the forms were expounded in the instruction manual. Attempts were made to formulate the questions with clarity and logical order. Questions about different subjects were written on different forms to avoid the mix of issues and restrict the length of the forms.

An enumerators' instruction manual was prepared and used as a training and reference guide to help the enumerators in understanding clearly all the details and procedures followed in the census and answer questions raised during the interviews. It contained questions on the forms with explanations, concepts, definitions, techniques of interviewing, duties and obligations of enumerators. A separate instruction manual was also prepared for supervisors in a similar fashion to all intents and purposes of supervision.

Training and supervision are also factors that affect data quality. The standard of training given to enumerators and supervisors is well reflected in the census results. With this in mind, the CSA offered a rigorous and thorough training to the enumerators and supervisors. Ample time has been allotted to it to help the trainees grasp the theoretical and practical aspects of data collection. The training sessions were repeatedly supplemented by field practice and demonstrations to reinforce the trainees understanding of the course. A written examination was given to all the trainees to screen and assign the best ones for the census. The supervisors have had a separate training in supervision in which the responsibilities of supervisors, field supervision, checking and editing completed forms and preparations of progress reports were reiterated. The supervisors reviewed the enumerators' work, re-interviewed samples of holders and re-measured samples of fields as part of supervision to verify the enumerators' work.

Data quality is also contingent on the cooperation and willingness of the holders to provide the desired information. In order to seek the cooperation of the holders (respondents) promotional efforts have been made using the electronic and print media. Thus, regarding the census publicity, poems, dramas and other programs were presented on the country's TV, Radio and the Press. The CSA prepared, customized and distributed census materials such as brochures, fact sheets, posters, caps with census emblem, calendars and other items

to relevant institutions and government officials. Moreover, with respect to the progress of the census operations, CSA gave a number of press releases to foster public support and cooperation. Branch offices and supervisors worked with local officials and adhoc committees to obtain written and verbal support of the census operations in their speeches and public appearances.

3.5.1 Concepts and Definitions

Information on all items of agriculture is not useful until the items are distinctly defined and understood. The procedure of stating data items and related terms is a prerequisite for making standards and definitions for collection and compilation of agricultural data. The intent of using standard concepts and definitions is not only to provide quality data but also to ensure that the right items are enumerated and measured accurately to reflect the agricultural situation.

Standard concepts and definitions used in a census setup provide clear linkages between various tables of the census and previous surveys and maintain consistent enumeration and measurement of variables of interest. To this end, the CSA has put a lot of efforts into communicating concepts and definitions to the census field staff through training and instruction manuals. The concepts and definitions used in the census were made to conform to the FAO standard with a slight adaptation of a few of them to suit the agricultural situation in Ethiopia. The concepts and definitions used in the census included the following: -

Enumeration Area (EA): an enumeration area in the rural parts of the country is a locality that is in most of the cases less than and only in some cases equal to a farmers' association in geographical area and usually consists of 150-200 households.

Household: a household may be either:

a) a one person household, that is a person who makes provisions for his own living without combining with any other person to form part of a multi-person household or

b) a multi-person household, that is, a group of two or more persons who live together and make common provisions for food and other essentials of living. The persons in the group may pool their incomes and have a common budget to a greater or lesser extent. They may be related or unrelated persons, or a combination of both. These persons are taken as members of the household.

Agriculture: the growing of crops and/or raising of animals for own consumption and/or sale.

Agricultural Household: a household is considered an agricultural household when at least one member of the household is engaged in growing crops and/or raising livestock in private or in combination with others.

Holding: a holding is all the land and/or livestock kept, which is used wholly or partly for agricultural production and is operated as one legal entity by one person alone, or with others without regard to management, organization, size or location.

Holder: a holder is a person who exercises management control over the operation of the agricultural holding and makes the major decision regarding the utilization of the available resources. He/she has primary technical and economic responsibility for the holding. He/she may operate the holding directly as an owner or a manager. Under conditions of traditional agricultural holding the holder may be regarded as the person, who with or without the help of others, operates land and/or raises livestock in his/her own right, i.e. the person who decides on which, where, when, and how to grow crops or raise livestock or both and has the right to determine the utilization of the products.

Parcel: a parcel of holding is any piece of land entirely surrounded by land and/or water and/or road and/or forest, . . .etc which is not part of the holding. It may consist of one or more cadastral units, plots or fields adjacent to each other.

Field: a field is defined as any plot of land which is a parcel or part of a parcel under the same or mixed crops or any other form of private holding.

Crop: includes cereals, pulses, oilseeds, vegetables, root crops, fruits, coffee, enset, chat, hops, sugar cane, cotton, tobacco, . . . etc produced for food, making drinks, stimulation and making fabrics or clothings.

Crop production: the processes of growing and harvesting of the above crops for own consumption and/or sale.

Temporary Crops/Annual: Annual temporary crops are crops which are grown in less than a year's time, sometimes only a few months with an objective to sow or replant again for additional production following the current harvest. Continuously grown crops planted in rotation are also considered as temporary crops since each is harvested and destroyed by ploughing in preparation for each successive crop.

Permanent Crops: Crops which are grown and occupy land for a long period of time, not requiring replanting for several years after each harvest, are considered as permanent crops. All fruit trees (i.e., oranges, mandarin, banana, ...etc.) and trees for beverages (i.e., coffee, tea, Gesho, ... etc.) are considered permanent crops but meadows and pastures are excluded.

Meher (main) Season Crop: any crop harvested between Meskerem (September) and Yekatit (February) is considered as Meher season crop.

Belg Season Crop: Any crop harvested during the months of March (Megabit) and August (Nehase) is considered to be Belg season crop.

Fallow Land: land which has been or intended to be kept at rest for at least one agricultural year and a maximum idleness of less them five years is considered fallow land.

Grazing Land: Land used for growing herbaceous forage crops, either through cultivation or naturally is considered to be grazing land.

Wood Land: All tracts of timber, natural or planted as part of the holding, which has a value as wood, timber, other wood products and/or used for protection. Forest land used for recreational purposes would not be included as Wood land.

Other Land Uses: Land occupied by the holders' houses and/or buildings, parking areas, gardens, barn, wells and ponds would be included as other land uses.

Irrigated Area: refers to the area of land purposely and actually provided with water, other than by rain, for improving the production of crops. The uncontrolled flooding of land by the over flow of rivers or streams is not categorized as irrigation practice although sometimes farmers use this incidence for production.

Improved Seed: is defined as crop variety which gives significantly higher yield, better quality and/or better benefit compared to traditional varieties of seeds, and usually produced by the Ethiopian Seed Enterprise (ESE) in Ethiopia.

Fertilizer: refers to anything added to the soil intended to increase the amount of plant nutrients available for crop growth. Usually, fertilizers are divided into two parts, natural and commercial. Examples of natural fertilizers are farmyard manure, wood ashes,...etc., while commercial fertilizers are DAP (Di- Ammonium Phosphate), UREA (Ammonium Nitrate), ...etc.

Pesticides: pesticides are chemicals useful for mitigation, control or elimination of pests which are troublesome or harmful to crops. Insecticides, herbicides and fungicides are all considered as pesticides.

Draught Animal: Refers to animals that are engaged in activities such as ploughing, threshing, ...etc

Dairy Cow: Refers to any type of cow used to give milk previously and/or provide milk currently or have never given milk before and pregnant now. Heifers are not included in this category.

Milking Cow: Refers to cows actually milked during the reference period, i.e. February 10, 2001 to February 9, 2002.

Laying Hens: Refers to all hens and pullets of all types which have laid eggs during the reference period, i.e., Feb 10, 2001 to Feb 9,2002.

Extension Package Programs: Are outreach programs operating in rural areas for private holdings aiming to transfer modern agricultural technologies to increase crop and livestock productivity.

4. DATA PROCESSING

4.1 Editing, Coding and Verification

In the 2001/2002 Ethiopian Agricultural Sample Enumeration (EASE), the filled-in forms that were retrieved from 47 Branch Statistical Offices were primarily received and systematically registered at the documentation unit of the CSA head quarters in Addis Ababa. Before launching the actual editing and coding activities, the Natural Resources and Agricultural Statistics Department staff gave adequate training to the 157 editors and coders. These editors and coders carried out the manual editing, coding and verification of the filled-in EASE questionnaires in two shifts.

At the outset, the editing and coding activities for the filled-in forms on area and agricultural practices took place, this was followed up by the editing and coding of the forms on the production of temporary crops (cereals, pulses, oil seeds, vegetables and root crops), livestock, farm implements, permanent crops, Belg and miscellaneous questionnaires region by region. For the filled-in forms on area and agricultural practices, verification was carried out on 100% basis for the first five weeks from the launching of the activity and then

considering the quality performance of editor-coders the activity was dropped to 66% of the forms gradually. On the other hand, the verification activity has been carried out on 100% basis for the filled-in forms on production of the temporary and permanent crops, livestock, farm implements and all other completed forms.

For Oromia Region, the editing, coding and verification of the filled-in forms in general took about 145 working days. That is, the editing, coding and verification of the filled-in forms for area, agricultural practice, the production of the temporary and permanent crops, and livestock took about 81.5 working days, while that of the filled-in forms on farm implements, demographic characteristics, Belg season and the urban forms took around 63.5 working days.

4.2 Data Entry, Cleaning and Tabulation

About 144 data encoders were assigned to undertake the data entry activity of 2001/02 EASE and it has been carried out on two-shift basis. Before the starting of the data entry operation data encoders were trained for about 5 days using computer programs developed by the Data Processing Department staff. The Programmers prepared the data entry programs using CENTRY, which is a data entry module of IMPS (Integrated Microcomputer Processing System).

The data entry exercise has been carried out using 76 personal computers (PC's). Like that of the manual editing and coding activity, the filled-in forms on area and agricultural practices were entered first and this was followed by entry of the filled-in forms on the production of temporary crops, livestock, farm implements, permanent crops, Belg and miscellaneous questionnaires region by region.

In order to ensure the quality of the data entry work, verification exercise was carried out. The entry of the filled-in forms on area and agricultural practices were verified on 100 % basis. Then the verification exercise was dropped to 66 % from the 6th week of the launching of the operation and was further reduced to 50% from the 10th week onwards by observing and assessing the magnitude of the percentage of errors. Later on verification process was

carried out on 100% basis for the filled-in forms on the production of temporary and permanent crops, livestock, farm implements and all other completed forms. The verification activity was carried out through the process of re-entering the data.

For Oromia Region, the whole data entry process of the filled-in forms on area, agricultural practice, the production of the temporary and permanent crops, and livestock took around 105.5 working days, while that of the filled-in forms on farm implements, demographic characteristics, Belg season and the urban forms took about 117.5 working days.

Data entered into the computer needs to be checked for completeness, consistency and validity. For this purpose computer edit programs were prepared by programmers using CONCOR, which is the editing module of IMPS. Using print-outs from these programs and referring to the filled-in census forms, corrections were made by nine trained manual data cleaning technicians. Moreover, nine other data-cleaning computer operators were involved in making the actual corrections of the data on the computer.

Additionally, an intermediate set of instructions or programs were made available and applied on the data to prepare information suitable for tabulation. These programs were prepared using CSPro and IMPS softwares. Like IMPS Software, CSPro is used as a tool for entering, editing and tabulating data. CSA used the CSPro software for data editing and calculation of CVs.

Data made ready for tabulation through the process of cleaning and intermediate programs was finally used to generate the required tables. This was done using tabulation programs developed by the senior programmers of the Data Processing Department. The CENTS software, a tabulation component of IMPS, was used in producing the 2001/02 EASE results.

5. MEASURES OF PRECISION

These are measures that indicate the variable error that may be expected in the estimates derived from the sample. The common measures are variances, standard errors and

coefficients of variation (CV). Out of these measures, the results of standard errors and coefficients of variation of estimates for selected variables are presented as an annex at the end of each chapter.

For comparing the variability of different crop estimates or of the same crop estimates in different reporting domains, the coefficient of variation (the standard deviation expressed as a percentage of the estimate), should be used since it is a unit-less measure.

In general, estimates with CV less than 30% are considered as reliable estimates (assuming no bias). Estimates between the ranges of 30% to 50% CV's are considered less reliable and users are advised to use them cautiously. This is due to the fact that the higher the CV the more unreliable the estimate will be. Estimates with CV greater than 50% are not shown or were suppressed, and instead they are marked with asterisk (*), because these estimates (with CV > 50%) are not reliable to be used for any demand.

CHAPTER VIII

FARM IMPLEMENTS, DRAUGHT ANIMALS AND STORAGE FACILITIES

1. INTRODUCTION

Agriculture is the single largest sector in the Ethiopian economy. The position of the agricultural sector for the past few decades does not only concern the peasants, but on account of the extent of its inputs, outputs and its function as a largest employer of labour has a profound impact on the entire economy. It is worth to point-out that Ethiopia has large resources in terms of land, agricultural labour, draught animals... etc.

Despite all these facts, the average yield of the main food crops and livestock products attained by private peasant holders is very low and it is not adequate to feed the ever-growing population. Because of such prevailing conditions in the agricultural sector, the economy remained at subsistence level. Among the factors that hampered the country not to prosper is the use of primitive farm implements and tools by the peasants to operate their land and to raise livestock.

The role of improved agricultural implements and tools in raising the standard of farming efficiency and increasing average yield of production has been recognized for many years. Land preparation requires modern power source that results in considerable farm efficiency and expansion of production. Seeding and fertilization are among the agricultural operations where animal and tractor drawn machines appear to be capable of greater efficiency than only hand method. Power-driven line sowing and fertilization are more efficient than hand spreading and this is usually expected to result in higher yield for the same amount of fertilizers and seeds.

The traditional unimproved farm implements used by the peasants and the poor conditions of the draught animals are considered to be among the main factors that retarded the agricultural productivity in the country. On the other hand, the development of farm implements and machineries can also be crippled by small land size holdings, abundant labour in rural area and non-availability of adequate access to modern farm

implements and machineries, which the private peasant holders can afford to rent or buy. In general, effective development of farm implements and machineries takes place when land is abundant and labour is being rapidly absorbed by non-agricultural sector, (WB, 1984).

Since development programmes are in progress in Ethiopia, data generated from censuses and sample surveys on different types of agricultural outputs and inputs are necessary for the formulation of programmes and policies in the sector and thereby for monitoring and evaluation of the impact of the programmes. One of the objectives of this census was to provide benchmark data that can help to assess the growth, quantity, quality and value of farm implements and other farm equipment used by the private peasant holders so as to easily identify the implements that are abundant and those that are in short supply. The structural characteristics of these farm implements and other farm equipment do not change much from year to year and such data are usually obtained from a census of agriculture, which is conducted every 5 or 10 years.

Data on farm implements and other farm equipment have not been collected in Ethiopia and as a result only very little is known about the status and growth of these implements. Thus, in the Ethiopian agricultural census conducted in 2001/2002, data was collected on farm implements and other farm equipment. These farm implements include, implements used for clearing land, cultivation, harvesting, threshing and others. In this census draught animals comprises animals engaged specifically in ploughing, threshing and farm transport facilities. Replacement value was one of the variables covered by this census and it is defined as the amount it would cost to replace the farm implement, equipment, draught animal and storage facility with those that are similar in terms of origin, age, quality or condition.

In this chapter the classification of farm implements, farm equipment, draught animals and storage facilities are presented in Section 2. Brief discussions of data on Summary Tables VIII.1 to VIII.4 are also provided in Section 3. Statistical Tables presenting the census results at zonal and wereda levels are also given as Table series 8.1A - 8.34A and 8.1B - 8.34B. Finally, the estimates, Standard Errors (S.E.) and Coefficients of Variation (C.V.) on number of holders reporting, number of farm implements reported and total value are presented in the Annex Table to this chapter.

2. CLASSIFICATION OF FARM IMPLEMENTS, OTHER FARM EQUIPMENT AND DRAUGHT ANIMALS

The farm implements and draught animals reported were classified into the following eight groups: -

- Implements used for clearing land.
- Implements used for cultivation
- Parts for traditional plough.
- Implements used for harvesting
- Implements used for threshing.
- Other farm equipment.
- Draught animals for farm activity.
- Storage facilities

These eight groups further broken down to include the following implements and other farm equipment:

2.1 Implements used for clearing land

a) Axes,

b) 'Gejera '(Chopper), and

c) Shovel.

2.2 Implements used for cultivation

a) Hoe,

b) 'Mekeskesha',

c) Pick-Axe, and

d) Tractor.

2.3 Parts for traditional plough

a) 'Deger',

b) 'Erfe',

c) Plough-Beam,

d) Plough-Tip, and

e) 'Wegel'-Tip.

2.4 Implement used for harvesting

a) Sickle.

2.5 Implements used for threshing

a) Hay- Fork (metal or wood),

b) Threshing Stick, and

c) Winnower (metal or wood).

2.6 Other farm equipment

a) Cart (hauling),

b) Sprayer (hand operated),

c) Sprayer (power operated),

d) Tying Tool, and

e) Wheelbarrow.

2.7 Draught animals

a) Animals deployed specifically in ploughing.

- Ass/Donkey,
- Camel,
- Horse,
- Mule, and
- Ox.

b) Animals deployed in threshing or transportation: -

- Ass/Donkey,
- Camel,
- Cattle (Working Age),
- Horse, and
- Mule.

2.8 Storage facilities

a) 'Debignit'(Local storage),

b) 'Gottera' (Local storage),

c) 'Gudguad'(Local storage), and

d) Modern storage.

Definitions of storage facilities

'Debignit': - Is a round vessel of earthenware storage attached with the wall of a house. The shape of 'Debignit' is similar to the shape of a barrel. Debignit is usually around 1 metre high and 0.5-1metres wide.

'Gottera': - Is storage made of bamboo plant. The bamboo is split and then crisscrossed and woven like a giant basket. Finally, it is laminated with a mixture of animal dung and dry grass. 'Gottera' is usually about 1-3 metres high and about 1 metre wide

'Gudguad': - Is an underground storage, which is formed by digging the ground with certain depth and radius. The wall of 'Gudguad' is usually laminated with animal dung.

Modern storage: - Is a storage that has a better quality in protecting grains from humidity and pests than the above mentioned storages.

3. ESTIMATES OF FARM IMPLEMENTS, DRAUGHT ANIMALS AND STORAGE FACILITIES.

The type, quality and quantity of tools and implements in use usually indicate the level of farming practice and agricultural development of a country. Hence, the results of this census can give us some highlights to evaluate the farming system in the region. In this report farm implements are grouped in terms of their operation and this can help to make appropriate comparisons. The data collection period for farm implements and draught

animals (Chapter VIII) was March, 2001/02, while for area, production and land utilization was in September/October, 2001/02. This time difference has resulted in some discrepancy of estimated number of crop holders shown in chapter VIII and the other Chapters, especially the difference of estimates was significant in the semi- nomadic area of Borena zone because of the non-response rate that happened during the movement of the holders from place to place.

3.1 Farm Implements and Tools

The data in Summary Table VIII.1 indicates that the number of holders reporting axe was the highest followed by 'Gejera' (Chopper) while shovel was the lowest. In Oromia Region it is estimated that there were about 3,981,704 crop s holders in rural areas and of which about 3,180,735 (79.88%) reported to own axes, about 33.48% reporting 'Gejeras' (choppers), and 30.51% reporting shovels. Among the farm implements used for clearing land, the number of observation for axe was highest and the total value for axe was also the highest followed by 'Gejeras' and shovels. The expected duration of service of an axe and 'Gejera' was estimated to be 9 and 8 years respectively, while for shovel it was 6 years.

One of the labour and power intensive farm activities is cultivation. It comprises digging, ploughing, sowing and weeding. In order to accomplish such operations, the Ethiopian peasants use hoe, 'Mekeskesha', pick-axe, and traditional plough. Among these farm implements and tools hoe was the highest in terms of number of holders reporting, total number of implements reported and total value. The second highest was pick-axe while 'Mekeskesha' was the lowest. The data in Summary Table VIII.4 Shows that the percentage distribution of the number of crop holders that owned one, two, three, four and five and above hoe was 33.6%, 8.88%, 1.88%, 0.57% and 0.25% respectively. For details, see Summary Table VIII.4.

3.2 Draught Animals

Peasants in Ethiopia use domestic animals for draught purpose. In several parts of the country since holdings are far from residence and as a result asses, horses, mules and camels are used to transport various types of goods and agricultural products from

holding to residence and vice-versa. As it is indicated from the data in Summary Table VIII.2, among the domestic animals that are used for ploughing, ox was the highest in terms of number of holders reporting, number of oxen reported and total value the oxen amounted to 2.5 billion Birr. About 2.4 million crop holders (61.39% of the total crop holders in the region) reported 6.2 million cattle (working age cattle) used for threshing and these cattle had a value of over 3.1 billion Birr and the average replacement value of a working age cattle was about 206.13 Birr. It was also indicated that asses, horses and mules were used by the holders for threshing and transportation.

The estimated number and percentage distribution of crop holders in rural areas of Ormia Region that owned implements, equipment and draught animals are shown in Summary Table VIII.4. Thus, the data resulting from the agricultural census shows that there were about 3,981,704 crop holders in rural areas. Among these 23.10%, 29.76%, 2.91%, 3.65% and 0.75% holders owned one, two, three, four and five and above oxen. On the other hand about 39.82% of the holders did not own ox. For details, see Summary Table VIII.4.

3.3 Storage Facilities

One of the methods that minimize post harvest production losses is the usage of modern storage facilities. During the census, data was collected on modern storage facilities and the unimproved local storage facilities such as 'Debignit', 'Gottera' and 'Gudguad'. In this census, buildings or any structure used as storage facilities and other containers that have better storage quality to protect agricultural products from humidity and pests are considered as modern storage facilities.

The data in Summary Table VIII.3 shows the number of holders reporting storage facilities and number of such facilities. Thus, the data in the table reveals that 'Gottera' was reported by the highest number of holders. The total value of all reported storage facilities was assessed to be 97,233,008 Birr, of which 66.9%, 17.45% and 13.65% comprises of 'Gottera', 'Gudguad' and 'Debigint', respectively. The percentage distribution of the number of crop holders that owned 'Gottera, 'Gudguad', Debignit and Modern storage facilities is also presented in Summary Table VIII.4.

SUMMARY TABLE VIII.1:-Number and Percentage of Holders Reporting Implements and Other Farm Equipment by type, Quantity Reported, Replacement Value, and Duration of Implement, for Private Holdings.

Implements and Equipment	Number of Holders Reporting	Percent of Total Holders	Number of Implements and Equipment		Total Value of Imp. and Eq. (Birr)	Average Replacement Value Per Imp. and Eq. (Birr)	Average Duration of Service of Imp. and Eq. (Years)
			Total Reported	Average[1] Per Holder			
Used for Clearing Land							
Axes	3,180,735	79.88	5,054,757	1.27	44,271,946	5.56	9
'Gejeras' (Choppers)	1,333,104	33.48	1,749,572	0.44	22,959,673	10.41	8
Shovels	1,214,645	30.51	1,398,222	0.35	16,286,908	10.07	6
Used for Cultivation							
Hoes	1,799,090	45.18	2,415,953	0.61	24,116,966	7.75	7
'Mekeskeshas'	209,704	5.27	302,718	0.08	1,243,920	3.46	5
Pick-Axes	726,698	18.25	1,014,770	0.25	8,316,289	6.37	8
Tractor	-	-	-	-	-	-	-
Parts for traditional Plough							
' Degers'	2,573,190	64.63	4,400,328	1.11	11,040,065	1.56	2
' Erfes'	2,534,338	63.65	3,596,052	0.90	5,971,842	1.18	1
Plough -Beams	2,591,935	65.10	3,538,714	0.89	33,026,990	6.88	4
Plough - Tips	2,602,623	65.36	3,120,697	0.78	41,238,102	11.04	5
'Wegel' – Tips	2,561,628	64.33	3,040,310	0.76	14,529,949	4.04	5
Yokes	2,585,850	64.94	3,104,582	0.78	20,857,735	5.56	5
Used for Harvesting							
Sickles	3,039,059	76.33	4,653,886	1.17	43,156,448	6.49	6
Used for Threshing							
Hay-Forks (metal)	321,442	8.07	394,572	0.10	5,989,744	12.38	10
Hay-Forks (wood)	1,229,590	30.88	1,924,887	0.48	6,310,750	2.29	4
Threshing Sticks	765,449	19.22	1,607,086	0.40	2,073,942	0.78	2
Winnowers (metal)	9,681	0.24	11,072	0.00	94,136	7.54	7
Winnowers (wood)	969,714	24.35	1,087,145	0.27	8,963,176	7.40	8
Other farm Equipment							
Carts	37,604	0.94	43,940	0.01	6,970,164	147.37	6
Sprayers (Hand operated)	57,062	1.43	61,051	0.02	15,408,997	248.90	8
Sprayers (Power operated)	-	-	-	-	-	-	-
Tying Tools	-	-	-		-	-	-
Wheelbarrows	13,992	0.35	14,480	0.00	1,516,648	102.71	9

- Average[1] per holder is the ratio of total number of each implement reported to total number of crop holders in rural areas in the region.
- Total number of crop holders comprises, holders participated in crop production only and both crop production and livestock rearing.

SUMMARY TABLE VIII.2:-Number and Percentage of Holders Reporting Draught Animals, Quantity Reported, Replacement Value, and Average Age of Animal, for Private Holdings.

Animals	Number of Holders Reporting	Percent of Total Holders	Number of Animals		Total Value of Animals (Birr)	Average Replacement Value Per Animal (Birr)	Average Age of Animal (Years)
			Total Reported	Average[1] Per Holder			
Used for Ploughing							
Asses	5,019	0.13	7,307	0.00	3,399,143	301.08	6
Camels	71	0.00	71	0.00	64,007	901.51	*
Horses	334	0.01	522	0.00	239,501	261.95	6
Mules	-	-	-		-	-	-
Oxen	2,396,172	60.18	4,459,312	1.12	2,531,549,355	303.64	6
Used for Threshing or Transportation							
Asses	975,587	24.50	1,211,592	0.30	314,041,592	208.78	8
Camels	11,450	0.29	16,944	0.00	14,980,711	590.07	8
Cattle	2,444,409	61.39	6,242,998	1.57	3,140,442,613	206.13	6
Horses	369,961	9.29	508,863	0.13	190,677,389	274.53	8
Mules	88,925	2.23	92,025	0.02	80,021,173	843.52	10

- Average[1] per holder is the ratio of total number of each draught animal reported to total number of crop holders in rural areas in the region.
- Total number of crop holders comprises, holders participated in crop production only and both crop production and livestock rearing.

SUMMARY TABLE VIII.3: - Number and Percentage of Holders Reporting Storage facilities, Quantity Reported, Replacement Value, and Storage Capacity, for Private Holdings.

Sorage Structure	Number of Holders Reporting	Percent of Total Storage Holders	Number of Storages		Total Value of Storages (Birr)	Average Replacement Value Per Storage (Birr)	Average Storage Capacity Per Storage (Quintal)
			Total Reported	Average[1] Per Holder			
'Debignits'	962,633	24.18	1,898,703	0.48	13,276,313	3.63	3
'Gotteras'	1,947,637	48.91	3,198,187	0.80	66,981,781	13.16	11
'Gudguads'	677,191	17.01	786,932	0.20	16,974,914	19.72	8
Modern Storage Structures	15,280	0.38	21,301	0.01	*	*	44

- Average[1] per holder is the ratio of total number of each storage facility reported to total number of crop holders in rural areas in the region.
- Total number of crop holders comprises, holders participated in crop production only and both crop production and livestock rearing.

SUMMARY TABLE VIII.4:-Number of Crop Holders that Owned Farm Implement, Equipment and Draught Animals.

Name of Implement, Equipment, and Draught Animal	Number of Crop holders that owned											
	No Implement, Equipment, or Draught Animal		One Implement, Equipment, and Draught Animal		Two Implements, Equipment, and Draught Animals		Three Implements, Equipment, and Draught Animals		Four Implements, Equipment, and Draught Animals		Five and above Implements, Equipment, and Draught Animals	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Used for Clearing Land												
Axes	800,934	20.12	1,823,684	45.80	993,135	24.94	265,113	6.66	68,777	1.73	30,061	0.75
'Gejera'	2,648,565	66.52	1,021,818	25.66	244,063	6.13	45,412	1.14	14,392	0.36	7,454	0.19
Shovel	2,767,025	69.49	1,058,593	26.59	135,557	3.40	16,079	0.40	3,012	0.08	1,438	0.04
Used for Cultivation												
Hoes	2,182,613	54.82	1,337,905	33.60	353,522	8.88	75,026	1.88	22,840	0.57	9,798	0.25
'Mekeskeshas'	3,772,000	94.73	143,579	3.61	48,797	1.23	10,745	0.27	4,829	0.12	1,754	0.04
Pick- Axes	3,255,007	81.75	526,557	13.22	145,324	3.65	36,230	0.91	12,047	0.30	6,539	0.16
Tractors	3,981,704	100.00	-	-	-	-	-	-	-	-	-	-
Parts for traditional Plough												
'Degers'	1,408,480	35.37	1,325,411	33.29	993,759	24.96	35,563	0.89	183,533	4.61	34,958	0.88
'Erfes' (Handle)	1,447,331	36.35	1,782,071	44.76	576,349	14.47	97,016	2.44	55,865	1.40	23,072	0.58
Plough-Beam.	1,389,734	34.90	1,863,461	46.80	587,301	14.75	90,425	2.27	36,533	0.92	14,250	0.36
Plough -Tips	1,379,046	34.63	2,163,999	54.35	388,456	9.76	35,329	0.89	11,120	0.28	3,754	0.09
'Wegel' -Tips	1,420,040	35.66	2,154,441	54.11	361,099	9.07	31,392	0.79	10,903	0.27	3,829	0.10
Yokes	1,395,819	35.06	2,135,664	53.64	401,706	10.09	34,915	0.88	10,347	0.26	3,253	0.08
Used for Harvesting												
Sickles	942,609	23.67	1,904,822	47.84	821,427	20.63	202,255	5.08	77,274	1.94	33,317	0.84
Used for Threshing												
Hay-Forks (Metal)	3,660,261	91.93	259,231	6.51	53,609	1.35	6,784	0.17	1,582	0.04	237	0.01
Hay-Forks (Wood)	2,752,114	69.12	755,311	18.97	339,140	8.52	81,509	2.05	37,194	0.93	16,436	0.41
Threshing Sticks	3,216,254	80.78	393,928	9.89	216,360	5.43	63,864	1.60	42,291	1.06	49,007	1.23
Winnowers (Metal)	3,972,022	99.76	8,597	0.22	886	0.02	172	0.00	-	-	27	0.00
Winnowers (Wood)	3,011,989	75.65	866,558	21.76	93,369	2.34	6,967	0.17	2,081	0.05	740	0.02
Other Farm Equipment												
Carts	3,944,100	99.06	32,482	0.82	4,411	0.11	325	0.01	357	0.01	29	0.00
Sprayers (Hand Operated)	3,924,641	98.57	54,134	1.36	2,253	0.06	527	0.01	34	0.00	115	0.00
Sprayers (Power Operated)	3,981,704	100.00	-	-	-	-	-	-	-	-	-	-
Tying Tools	3,981,704	100.00	-	-	-	-	-	-	-	-	-	-
Wheelbarrows	3,967,712	99.65	13,565	0.34	367	0.01	60	0.00	-	-	-	-
Animals Used for Ploughing												
Asses	3,976,685	99.87	3,302	0.08	1,440	0.04	104	0.00	132	0.00	41	0.00
Camels	3,981,633	100.00	71	0.00	-	-	-	-	-	-	-	-
Horses	3,981,371	99.99	211	0.01	90	0.00	-	-	32	0.00	-	-
Mules	3,981,704	100.00	-	-	-	-	-	-	-	-	-	-
Oxen	1,585,498	39.82	919,765	23.10	1,185,006	29.76	115,974	2.91	145,452	3.65	30,009	0.75
Animals Used for Threshing or Transportation												
Asses	3,006,116	75.50	781,908	19.64	161,975	4.07	24,097	0.61	5,668	0.14	1,940	0.05
Camels	3,970,253	99.71	8,129	0.20	2,259	0.06	617	0.02	261	0.01	185	0.00
Cattle	1,537,259	38.61	775,945	19.49	901,343	22.64	257,459	6.47	232,534	5.84	277,164	6.96
Horses	3,611,742	90.71	266,440	6.69	78,411	1.97	17,992	0.45	5,230	0.13	1,889	0.05
Mules	3,892,779	97.77	86,228	2.17	2,456	0.06	109	0.00	103	0.00	29	0.00
Storage Structure												
'Debignits'	3,019,071	75.82	390,257	9.80	346,649	8.71	135,877	3.41	61,429	1.54	28,421	0.71
'Gotteras'	2,034,066	51.09	1,122,574	28.19	545,990	13.71	185,009	4.65	65,890	1.65	28,175	0.71
'Gudguads'	3,304,513	82.99	597,609	15.01	60,814	1.53	12,047	0.30	4,637	0.12	2,084	0.05
Modern Storages	3,966,423	99.62	11,121	0.28	2,802	0.07	997	0.03	247	0.01	114	0.00

STATISTICAL TABLES PRESENTING THE CENSUS RESULTS AT ZONAL AND WOREDA LEVELS

Tables 8.1A- 8.34A

TABLE 8.1A: - Number of Holders Reporting Axe Owned, Quantity Reported, Replacement Value, and Duration of Service of Axe, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Axes Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Axe (Birr)	Average Duration of Service of Axe (Years)
Oromia Region	3,981,704	3,180,735	5,054,757	1.27	44,271,946	5.56	9
West Welega Zone	313,923	277,927	449,882	1.43	3,811,971	5.20	8
Mana Sibu	27,022	24,544	45,490	1.68	341,420	3.98	7
Nejo	17,916	16,463	29,415	1.64	183,494	3.41	8
Gimbi	17,096	15,859	26,994	1.58	199,241	4.23	7
Lalo Asabi	10,906	9,910	18,035	1.65	133,404	4.32	6
Boji	15,188	14,119	24,201	1.59	159,142	3.75	6
Ayra Guliso	16,371	14,712	24,776	1.51	162,011	3.71	6
Jarso	16,190	14,991	25,731	1.59	196,853	4.33	8
Gidami	13,636	11,772	18,145	1.33	219,596	7.59	10
Jimma Horo	6,869	5,876	8,707	1.27	94,137	7.14	10
Hawa Welel	17,315	14,974	21,470	1.24	265,610	7.84	12
Gawo Dale	23,820	21,591	31,793	1.33	310,859	6.60	9
Dale Sadi	11,117	9,502	14,580	1.31	106,881	4.59	9
Yubdo	5,640	5,017	8,265	1.47	77,435	5.62	8
Ganji	9,611	8,155	14,725	1.53	108,277	3.86	7
Haru	11,508	10,515	19,147	1.66	147,859	4.16	8
Nole Kaba	23,388	20,546	33,020	1.41	282,822	5.22	9
Lalo Kilie	7,900	6,483	9,845	1.25	72,120	4.67	7
Sayo	19,844	15,258	19,324	0.97	184,093	7.53	9
Anfilo	11,848	9,964	14,365	1.21	176,216	8.27	8
Begi	30,734	27,678	41,853	1.36	390,501	6.27	7
East Welega Zone	260,893	239,123	408,047	1.56	3,050,986	4.34	8
Limu	20,690	18,983	29,738	1.44	217,087	4.51	7
Ibantu	5,087	5,035	8,112	1.59	56,282	4.22	5
Gida Kiremu	22,168	20,866	33,991	1.53	256,350	4.83	8
Jarte	7,363	6,789	11,818	1.61	122,585	5.85	7
Amuru	7,739	7,180	12,776	1.65	128,898	5.69	8
Abe Dongoro	9,470	8,384	14,385	1.52	154,967	6.58	10
Jimma Horo	24,023	22,341	38,485	1.60	358,595	5.29	9
Abay Chomen	4,715	4,440	8,756	1.86	86,319	4.88	9
Guduru	21,520	20,016	37,330	1.73	272,694	3.92	8
Jimma Rare	7,738	7,481	14,138	1.83	92,585	3.33	8
Bila Seyo	13,470	11,732	17,681	1.31	129,005	4.85	10
Sibu Sire	15,203	12,723	19,630	1.29	138,724	4.65	8
Guto Wayu	28,487	26,247	43,241	1.52	287,899	3.97	8
Sasiga	11,346	10,216	17,429	1.54	104,992	3.13	8
Leka Dulecha	10,555	10,032	18,501	1.75	106,187	3.04	9
Diga	11,868	10,889	18,788	1.58	134,048	4.07	9
Jimma Arjo	13,333	12,116	19,773	1.48	133,675	4.20	9
Nunu Kumba	10,438	9,552	18,011	1.73	105,158	3.09	9
Wama Bonaya	15,680	14,104	25,468	1.62	164,936	3.47	8
Illibabor Zone	195,287	154,535	242,189	1.24	1,943,056	4.95	11
Darimu	22,324	14,401	19,293	0.86	139,844	5.17	11
Supena Sodo	13,139	10,677	16,768	1.28	130,890	4.70	10
Chora	19,554	16,476	25,690	1.31	216,906	5.19	12
Dega	10,191	8,229	12,334	1.21	81,012	4.34	8
Bedele	20,513	16,520	24,553	1.20	181,183	4.85	9
Gechi	10,893	9,236	14,556	1.34	117,491	5.05	12
Borecha Wereda	9,030	7,175	10,521	1.17	79,929	5.00	9
Dedesa	14,033	11,727	18,968	1.35	153,959	4.89	13
yayu	19,201	16,038	28,239	1.47	252,870	4.94	13
Metu	22,651	17,292	26,894	1.19	200,266	4.67	12

TABLE 8.1A: - Number of Holders Reporting Axe Owned, Quantity Reported, Replacement Value, and Duration of Service of Axe, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Axes Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Axe (Birr)	Average Duration of Service of Axe (Years)
Illibabor Zone							
Ale	17,356	14,731	25,864	1.49	248,927	5.45	12
Bure	11,992	8,315	12,538	1.05	74,430	3.90	13
Nono	4,411	3,719	5,971	1.35	65,349	6.57	11
Jimma Zone	443,315	365,401	606,061	1.37	5,464,583	5.51	11
Limu Seka	29,245	24,988	37,486	1.28	274,426	4.88	8
Limu Kosa	45,921	32,537	44,978	0.98	615,307	10.08	13
Sokoru	25,586	22,763	47,317	1.85	311,675	2.80	9
Tiro Afeta	24,135	21,335	38,667	1.60	342,685	4.74	11
Kersa	29,474	24,363	40,366	1.37	414,642	5.99	9
Mana	27,816	22,879	35,249	1.27	288,645	5.29	11
Goma	49,523	40,858	58,984	1.19	540,901	6.40	11
Gera	20,803	19,189	31,774	1.53	291,905	5.73	12
Seka chekorsa	56,422	41,483	67,258	1.19	659,061	6.37	15
Dedo	54,035	44,379	76,502	1.42	696,803	5.17	14
Omonada	45,972	42,325	89,140	1.94	661,700	3.47	8
Sigmo	16,132	14,043	19,430	1.20	167,833	6.16	9
Setema	18,249	14,257	18,912	1.04	199,001	7.85	11
West Shewa Zone	502,591	433,901	760,372	1.51	5,460,839	4.06	10
Ginde Beret	33,630	30,555	56,414	1.68	378,456	3.60	9
Jeldu	33,701	29,305	52,120	1.55	449,297	4.80	10
Ambo	40,122	34,666	66,468	1.66	371,251	2.78	10
Cheliya	37,011	34,654	74,314	2.01	429,926	2.68	8
Bako Tibe	19,389	17,036	31,204	1.61	172,779	2.94	9
Dano	15,544	14,154	26,719	1.72	188,393	3.59	9
Nono	23,140	21,200	40,643	1.76	309,884	3.89	9
Tikur	12,596	10,513	16,608	1.32	118,028	4.46	12
Amaya	21,943	19,867	40,718	1.86	267,473	3.14	8
Wonchi	17,405	15,165	26,027	1.50	180,805	3.96	7
Dendi	37,106	32,199	57,903	1.56	498,217	4.71	15
Ejerie	15,219	12,312	20,837	1.37	151,306	4.13	11
Adda Berga	19,302	16,398	26,003	1.35	178,155	4.19	8
Walmara	17,073	15,122	23,527	1.38	187,773	5.09	11
Alem Gana	20,607	16,590	25,553	1.24	227,142	5.62	10
Kersana Kondaltiti	22,051	19,790	30,981	1.40	263,079	5.50	8
Tole	10,401	8,025	12,012	1.15	111,896	5.62	7
Elu	10,354	7,576	11,327	1.09	113,783	6.60	13
Dawo	13,068	10,502	16,040	1.23	127,685	5.32	10
Walisona Goro	35,633	30,242	48,962	1.37	295,449	3.58	8
Becho	11,294	8,234	11,486	1.02	83,067	5.21	10
Kokir	12,362	9,393	13,143	1.06	124,445	6.44	10
Meta Robi	23,639	20,402	31,361	1.33	232,550	4.68	11
North Shewa(Oromia) Zone	237,011	201,220	323,239	1.36	2,101,107	3.93	10
Wara Jarso	25,009	23,037	37,073	1.48	218,400	3.63	9
Dera	35,035	33,315	59,837	1.71	296,198	2.76	7
Hidabu Abote	15,884	13,674	20,530	1.29	116,154	3.67	8
Kuyu	20,090	17,949	29,627	1.47	152,859	3.11	10
Degem	17,936	15,857	23,614	1.32	137,499	3.85	10
Gerar Jarso	13,163	11,883	19,976	1.52	143,276	4.02	10
Yaya Gulelena Debre Libano	16,566	13,919	22,570	1.36	161,190	4.33	10
Wuchalena Jido	22,017	16,813	23,991	1.09	176,344	4.78	11
Abichuna Gna'a	11,868	8,581	12,867	1.08	78,324	3.74	12
Kembibit	10,860	7,436	10,425	0.96	82,310	5.29	11
Berehna Aleltu	24,774	18,525	29,170	1.18	274,377	5.65	13
Mulona Sululta	23,810	20,231	33,558	1.41	264,176	4.55	15

TABLE 8.1A: - Number of Holders Reporting Axe Owned, Quantity Reported, Replacement Value, and Duration of Service of Axe, for Private Holdings.(Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Axes Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Axe (Birr)	Average Duration of Service of Axe (Years)
East Shewa Zone	314,966	240,927	411,591	1.31	3,069,800	4.46	7
Fentale	6,677	5,834	8,893	1.33	89,253	6.82	5
Boset	24,837	20,563	40,085	1.61	282,258	3.68	8
Adama	26,906	20,940	34,451	1.28	263,771	4.63	8
Lome	14,564	11,047	19,356	1.33	195,032	5.85	10
Gimbichu	15,569	11,082	16,897	1.09	150,304	5.66	11
Ada'a Liben Chukala	40,176	30,926	55,849	1.39	442,153	4.40	9
Dugda Bora	28,844	23,642	39,522	1.37	250,464	3.83	9
Adami Tullu Jido Kombolcha	23,794	14,860	23,025	0.97	174,562	5.33	7
Arsi Negele	26,584	17,965	33,758	1.27	365,857	6.86	8
Shashemene	46,108	36,323	64,012	1.39	381,507	3.47	4
Seraro	48,209	37,585	59,266	1.23	340,273	3.48	4
Akaki	12,696	10,160	16,478	1.30	134,366	4.95	9
Arsi Zone	493,007	389,736	669,093	1.36	6,854,842	5.82	11
Merti	22,750	20,090	40,006	1.76	527,742	6.43	11
Aseko	14,396	11,850	21,121	1.47	320,562	8.18	11
Gololcha	29,178	23,170	33,083	1.13	461,134	9.85	9
Jeju	22,217	18,380	31,785	1.43	289,224	5.12	8
Dodotana Sire	22,887	19,028	36,748	1.61	312,252	4.33	12
Zeway Dugda	21,200	16,926	30,638	1.45	257,590	4.58	11
Hitosa	39,229	30,436	51,656	1.32	541,404	6.15	13
Sude	25,501	19,865	31,978	1.25	324,689	6.11	9
Chole	15,918	14,014	26,739	1.68	381,326	7.36	9
Amigna	11,176	9,122	14,609	1.31	131,613	5.73	9
Seru	18,205	14,791	24,021	1.32	238,736	6.08	9
Robe	27,062	21,771	35,255	1.30	251,488	4.28	9
Tena	20,684	17,191	29,537	1.43	254,999	4.81	11
Sherka	26,405	22,820	45,235	1.71	400,245	4.32	13
Digeluna Tijo	22,181	17,600	29,445	1.33	307,327	6.05	12
Tiyo	15,978	12,579	23,614	1.48	298,332	6.48	13
Munesa	35,171	28,028	52,939	1.51	729,355	7.08	13
Bekoji	35,995	25,292	39,229	1.09	270,790	3.87	12
Gedeb	24,847	14,563	21,122	0.85	145,113	4.28	9
Kofele	42,028	32,219	50,331	1.20	410,922	5.91	9
West Harerge Zone	291,356	200,946	264,047	0.91	3,825,324	11.13	8
Mieso	16,400	9,861	12,955	0.79	221,199	13.54	7
Doba	22,768	18,325	27,296	1.20	298,461	7.01	11
Tulo	24,329	18,203	24,090	0.99	236,501	7.36	9
Mesela	25,840	17,855	24,178	0.94	291,864	8.89	8
Chiro	62,368	40,043	49,423	0.79	780,675	12.93	8
Goba Koricha	20,014	14,043	19,085	0.95	312,581	12.11	7
Anchar	13,430	10,729	14,649	1.09	230,595	11.12	8
Habro	30,386	18,902	25,948	0.85	372,337	10.29	9
Darolebu	26,978	22,180	28,426	1.05	470,194	12.79	8
Boke	22,144	14,339	17,712	0.80	239,068	11.02	7
Kuni	26,701	16,468	20,285	0.76	371,848	15.75	7
East Harerge Zone	387,193	280,925	388,139	1.00	3,618,594	6.70	9
Kombolcha	20,710	15,335	20,680	1.00	261,879	9.40	6
Jarso	17,052	12,872	18,331	1.08	169,416	6.31	8
Gursum	25,567	21,596	32,642	1.28	215,143	4.30	6
Babile	10,237	8,746	14,212	1.39	176,658	7.79	6
Fedis	24,565	19,550	27,020	1.10	303,809	7.90	11
Haro Maya	31,404	20,741	29,372	0.94	267,122	6.37	8
Kurfa Chele	7,122	5,118	7,125	1.00	87,294	8.69	10
Kersa	27,745	18,224	24,040	0.87	246,051	7.31	8

TABLE 8.1A: - Number of Holders Reporting Axe Owned, Quantity Reported, Replacement Value, and Duration of Service of Axe, for Private Holdings.(Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Axes Reported	Average Number Per Holder Reported	Total Value (Birr)	Average Replacement Value Per Axe (Birr)	Average Duration of Service of Axe (Years)
East Harerge Zone							
Meta	43,775	30,234	41,871	0.96	298,722	5.14	8
Goro Gutu	25,718	17,814	23,838	0.93	222,576	6.78	9
Deder	38,265	26,263	35,462	0.93	330,719	6.95	10
Malka Balo	24,930	15,932	21,344	0.86	228,020	8.33	10
Bedeno	43,356	33,458	43,228	1.00	412,732	7.39	12
Girawa	38,886	28,362	38,218	0.98	290,931	5.50	10
Gola Oda	7,861	6,679	10,758	1.37	107,521	6.45	10
Bale Zone	259,058	187,996	262,036	1.01	2,481,997	6.89	10
Kokosa	23,375	16,974	20,711	0.89	173,929	7.27	10
Dodola	23,650	16,960	22,685	0.96	179,601	5.95	9
Adaba	19,856	14,522	22,432	1.13	146,836	4.07	10
Agarfa	13,146	9,795	15,025	1.14	123,625	5.07	10
Gasera	12,088	7,697	11,115	0.92	131,030	8.42	10
Gololcha	14,914	12,201	19,910	1.33	181,507	5.43	13
Legehida	8,094	6,919	8,393	1.04	99,611	9.82	6
Ginir	21,653	17,745	27,975	1.29	206,368	4.56	9
Sinanana Dinsho	24,988	18,511	25,417	1.02	206,341	5.81	13
Goba	7,183	4,581	6,075	0.85	75,704	9.55	14
Mennana Arena Buluk	19,198	10,792	13,316	0.69	153,902	9.66	10
Nensebo	14,169	10,181	13,508	0.95	165,615	9.21	13
Meda Welabu	12,557	8,305	10,186	0.81	95,286	7.83	8
Berbere	10,213	6,790	8,153	0.80	137,319	14.37	10
Guradamole	4,160	2,852	3,545	0.85	43,284	9.89	11
Goro	15,934	10,990	15,834	0.99	184,295	7.97	11
Raytu	6,168	5,514	9,012	1.46	91,376	6.18	9
Seweyna	7,711	6,669	8,743	1.13	86,369	7.80	8
Borena Zone	283,104	208,098	270,062	0.95	2,588,848	7.49	8
Uraga	42,623	29,919	35,551	0.83	435,674	10.04	8
Bore	30,433	23,111	27,486	0.90	362,743	11.33	8
Adolana Wadera	22,616	20,202	23,867	1.06	333,739	11.81	7
Odo Shakiso	14,015	13,734	18,599	1.33	247,853	9.78	9
Hager Mariam	86,116	50,808	70,071	0.81	433,627	4.52	9
Yabelo	10,081	8,747	12,444	1.23	107,213	6.18	6
Arero	3,331	2,880	3,879	1.16	34,090	6.45	6
Liben	14,844	12,370	14,849	1.00	169,873	9.20	7
Moyale	10,736	7,833	9,713	0.90	93,899	7.82	6
Dire	13,719	12,261	18,308	1.33	131,745	4.93	8
Teltele	7,361	6,709	9,769	1.33	39,853	2.84	6
Gelana Abaya	27,229	19,524	25,525	0.94	198,539	5.55	8

TABLE 8.2A: - Number of Holders Reporting 'Gejera' Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Gejera', for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Gejeras' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Gejera' (Birr)	Average Duration of Service of 'Gejera' (Years)
Oromia Region	3,981,704	1,333,104	1,749,572	0.44	22,959,673	10.41	8
West Welega Zone	313,923	226,294	336,752	1.07	2,986,280	5.82	6
Mana Sibu	27,022	14,789	17,178	0.64	148,266	7.42	7
Nejo	17,916	11,874	14,274	0.80	90,500	5.29	6
Gimbi	17,096	7,468	9,593	0.56	59,900	5.02	5
Lalo Asabi	10,906	7,715	10,850	0.99	65,887	4.24	4
Boji	15,188	10,978	15,082	0.99	98,303	4.80	6
Ayra Guliso	16,371	11,354	14,941	0.91	100,511	5.06	5
Jarso	16,190	10,222	12,165	0.75	82,457	5.87	7
Gidami	13,636	12,872	22,868	1.68	315,340	7.49	7
Jimma Horo	6,869	5,062	7,381	1.07	89,855	8.27	7
Hawa Welel	17,315	14,352	20,176	1.17	201,045	7.16	7
Gawo Dale	23,820	20,348	31,614	1.33	334,484	7.06	5
Dale Sadi	11,117	8,707	12,757	1.15	99,987	5.29	7
Yubdo	5,640	4,910	7,660	1.36	68,570	5.63	6
Ganji	9,611	6,883	10,081	1.05	57,321	3.91	5
Haru	11,508	4,091	4,813	0.42	34,754	6.13	8
Nole Kaba	23,388	16,491	21,707	0.93	218,560	7.63	8
Lalo Kilie	7,900	6,263	8,366	1.06	51,529	4.52	5
Sayo	19,844	17,267	28,065	1.41	212,893	4.70	5
Anfilo	11,848	9,899	24,293	2.05	280,157	4.69	4
Begi	30,734	24,750	42,887	1.40	375,960	5.04	6
East Welega Zone	260,893	128,616	158,799	0.61	1,399,508	7.23	7
Limu	20,690	15,840	20,483	0.99	146,848	5.59	5
Ibantu	5,087	4,020	5,325	1.05	37,720	5.43	4
Gida Kiremu	22,168	15,151	18,908	0.85	162,263	7.00	6
Jarte	7,363	3,281	3,586	0.49	59,246	15.25	8
Amuru	7,739	4,273	4,844	0.63	52,311	9.49	6
Abe Dongoro	9,470	6,981	8,997	0.95	137,216	11.80	8
Jimma Horo	24,023	12,124	12,864	0.54	161,457	11.90	8
Abay Chomen	4,715	1,292	1,395	0.30	16,757	11.19	8
Guduru	21,520	2,247	2,401	0.11	19,696	7.79	7
Jimma Rare	7,738	2,001	2,148	0.28	18,290	7.97	7
Bila Seyo	13,470	8,455	10,178	0.76	91,465	7.30	8
Sibu Sire	15,203	11,166	14,133	0.93	126,233	7.03	7
Guto Wayu	28,487	18,400	24,402	0.86	169,982	5.16	6
Sasiga	11,346	7,998	11,230	0.99	67,475	4.07	7
Leka Dulecha	10,555	1,576	1,924	0.18	12,596	5.43	8
Diga	11,868	4,947	6,323	0.53	45,619	5.72	9
Jimma Arjo	13,333	1,953	2,185	0.16	19,182	8.17	7
Nunu Kumba	10,438	945	1,103	0.11	7,917	6.39	9
Wama Bonaya	15,680	5,966	6,371	0.41	47,235	7.04	8
Illibabor Zone	195,287	163,440	230,223	1.18	2,473,044	7.43	8
Darimu	22,324	17,975	22,774	1.02	176,184	6.01	7
Supena Sodo	13,139	11,759	16,559	1.26	140,337	5.97	8
Chora	19,554	17,542	25,552	1.31	275,213	7.06	8
Dega	10,191	7,143	8,483	0.83	60,882	6.09	7
Bedele	20,513	14,967	19,105	0.93	154,123	6.26	7
Gechi	10,893	8,997	11,848	1.09	103,347	6.46	7
Borecha Wereda	9,030	7,303	9,614	1.06	84,758	6.52	7
Dedesa	14,033	11,047	14,735	1.05	243,653	12.19	9
yayu	19,201	17,166	27,662	1.44	427,069	9.61	8
Metu	22,651	20,440	31,326	1.38	255,762	5.20	8

TABLE 8.2A: - Number of Holders Reporting 'Gejera' Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Gejera', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Gejeras' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Gejera' (Birr)	Average Duration of Service of 'Gejera' (Years)
Illibabor Zone							
Ale	17,356	15,168	21,504	1.24	337,164	10.98	10
Bure	11,992	10,391	15,710	1.31	127,208	5.26	9
Nono	4,411	3,541	5,350	1.21	87,342	10.74	9
Jimma Zone	443,315	260,403	306,453	0.69	7,910,645	21.95	9
Limu Seka	29,245	18,098	21,230	0.73	439,196	17.77	7
Limu Kosa	45,921	34,642	45,653	0.99	1,203,917	19.61	8
Sokoru	25,586	5,464	5,924	0.23	95,142	14.85	10
Tiro Afeta	24,135	11,006	11,814	0.49	306,713	24.29	11
Kersa	29,474	16,978	19,639	0.67	589,770	25.38	9
Mana	27,816	19,095	22,387	0.80	550,775	20.63	9
Goma	49,523	39,115	51,158	1.03	1,307,115	20.67	8
Gera	20,803	17,831	20,833	1.00	685,113	28.50	7
Seka chekorsa	56,422	36,681	41,401	0.73	1,274,848	26.82	10
Dedo	54,035	29,384	31,785	0.59	660,923	19.01	9
Omonada	45,972	12,178	13,558	0.29	322,662	21.67	11
Sigmo	16,132	9,709	10,154	0.63	184,935	18.45	8
Setema	18,249	10,222	10,918	0.60	289,535	24.89	11
West Shewa Zone	502,591	83,537	90,677	0.18	846,290	8.60	8
Ginde Beret	33,630	269	269	0.01	*	*	*
Jeldu	33,701	3,039	3,466	0.10	32,669	8.23	10
Ambo	40,122	11,122	11,641	0.29	70,966	5.79	6
Cheliya	37,011	10,713	12,238	0.33	92,544	6.46	7
Bako Tibe	19,389	6,783	8,035	0.41	53,364	5.87	7
Dano	15,544	8,958	10,075	0.65	109,198	9.40	8
Nono	23,140	10,823	11,836	0.51	118,410	9.09	7
Tikur	12,596	6,297	6,515	0.52	39,285	5.59	6
Amaya	21,943	6,228	6,487	0.30	73,906	10.96	6
Wonchi	17,405	2,286	2,308	0.13	41,942	17.84	8
Dendi	37,106	6,780	7,039	0.19	64,534	8.90	11
Ejerie	15,219	307	324	0.02	2,968	8.83	9
Adda Berga	19,302	*	*	-	*	*	*
Walmara	17,073	699	725	0.04	7,531	10.18	13
Alem Gana	20,607	920	920	0.04	12,142	13.20	16
Kersana Kondaltiti	22,051	1,339	1,339	0.06	23,054	17.22	11
Tole	10,401	166	178	0.02	1,698	9.15	6
Elu	10,354	158	158	0.02	1,790	11.33	8
Dawo	13,068	475	475	0.04	9,630	20.27	10
Walisona Goro	35,633	3,053	3,397	0.10	42,610	11.52	9
Becho	11,294	334	348	0.03	5,304	14.43	18
Kokir	12,362	1,793	1,909	0.15	23,154	11.54	7
Meta Robi	23,639	343	343	0.01	4,540	13.24	14
North Shewa(Oromia) Zone	237,011	1,999	2,239	0.01	23,182	9.53	15
Wara Jarso	25,009	156	*	-	*	*	*
Dera	35,035	*	*	-	*	*	*
Hidabu Abote	15,884	*	*	-	*	*	*
Kuyu	20,090	*	*	-	*	*	*
Degem	17,936	243	291	0.02	*	*	8
Gerar Jarso	13,163	66	66	0.01	*	*	*
Yaya Gulelena Debre Libano	16,566	216	216	0.01	*	*	16
Wuchalena Jido	22,017	119	178	0.01	*	*	*
Abichuna Gna'a	11,868	*	*	-	*	*	*
Kembibit	10,860	*	*	-	*	*	*
Berehna Aleltu	24,774	188	215	0.01	3,017	13.78	*
Mulona Sululta	23,810	321	357	0.01	3,344	7.87	*

TABLE 8.2A: - Number of Holders Reporting 'Gejera' Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Gejera', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Gejeras' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Gejera' (Birr)	Average Duration of Service of 'Gejera' (Years)
East Shewa Zone	314,966	44,383	46,433	0.15	706,539	14.60	9
Fentale	6,677	1,326	1,455	0.22	30,125	19.14	7
Boset	24,837	1,186	1,186	0.05	20,061	16.92	13
Adama	26,906	3,887	3,968	0.15	67,986	16.69	10
Lome	14,564	615	615	0.04	10,043	16.33	10
Gimbichu	15,569	*	*	-	*	*	*
Ada'a Liben Chukala	40,176	1,398	1,398	0.03	24,875	17.57	10
Dugda Bora	28,844	5,766	6,243	0.22	51,660	7.82	9
Adami Tullu Jido Kombolcha	23,794	2,529	2,578	0.11	30,191	11.60	10
Arsi Negele	26,584	5,477	5,591	0.21	95,926	16.91	10
Shashemene	46,108	14,733	15,691	0.34	274,906	16.45	8
Seraro	48,209	7,272	7,514	0.16	97,760	12.59	7
Akaki	12,696	160	160	0.01	2,352	14.70	8
Arsi Zone	493,007	78,324	83,465	0.17	1,315,384	14.94	11
Merti	22,750	5,228	5,594	0.25	77,800	12.96	10
Aseko	14,396	1,359	1,490	0.10	23,257	14.32	9
Gololcha	29,178	9,549	10,914	0.37	181,384	15.20	7
Jeju	22,217	2,242	2,242	0.10	33,257	14.66	11
Dodotana Sire	22,887	1,604	1,695	0.07	21,394	11.99	16
Zeway Dugda	21,200	3,856	4,002	0.19	56,484	13.57	12
Hitosa	39,229	3,900	4,045	0.10	56,702	13.35	15
Sude	25,501	2,807	2,935	0.12	61,415	19.87	12
Chole	15,918	5,226	5,439	0.34	108,033	19.11	9
Amigna	11,176	2,890	3,187	0.29	51,290	14.56	8
Seru	18,205	5,101	5,401	0.30	83,189	14.51	8
Robe	27,062	1,783	1,783	0.07	26,187	14.69	13
Tena	20,684	2,365	2,489	0.12	33,378	12.67	12
Sherka	26,405	6,487	6,714	0.25	108,880	15.68	15
Digeluna Tijo	22,181	376	376	0.02	5,628	14.97	19
Tiyo	15,978	1,351	1,404	0.09	27,178	18.67	16
Munesa	35,171	3,979	4,024	0.11	84,204	20.65	14
Bekoji	35,995	3,325	3,503	0.10	62,497	16.89	10
Gedeb	24,847	784	823	0.03	11,589	13.60	17
Kofele	42,028	14,111	15,403	0.37	201,638	12.39	11
West Harerge Zone	291,356	17,957	19,589	0.07	420,340	19.79	7
Mieso	16,400	860	880	0.05	20,849	23.24	7
Doba	22,768	330	360	0.02	*	*	8
Tulo	24,329	*	*	-	*	*	*
Mesela	25,840	2,101	2,613	0.10	*	13.40	7
Chiro	62,368	*	*	-	*	*	*
Goba Koricha	20,014	1,815	2,125	0.11	41,388	17.62	6
Anchar	13,430	2,488	2,553	0.19	57,408	21.94	11
Habro	30,386	1,742	1,820	0.06	37,471	19.72	*
Darolebu	26,978	3,681	3,844	0.14	82,331	20.39	8
Boke	22,144	186	186	0.01	*	*	*
Kuni	26,701	3,439	3,821	0.14	106,274	24.96	5
East Harerge Zone	387,193	4,996	5,405	0.01	86,749	14.94	9
Kombolcha	20,710	346	346	0.02	6,350	18.35	5
Jarso	17,052	*	*	-	*	*	*
Gursum	25,567	*	*	-	*	*	*
Babile	10,237	*	*	-	*	*	*
Fedis	24,565	*	*	-	*	*	*
Haro Maya	31,404	*	*	-	*	*	*
Kurfa Chele	7,122	41	50	0.01	964	16.21	7
Kersa	27,745	*	*	-	8,204	*	*

TABLE 8.2A: - Number of Holders Reporting 'Gejera' Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Gejera', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Gejeras' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Gejera' (Birr)	Average Duration of Service of 'Gejera' (Years)
East Harerge Zone							
Meta	43,775	*	*	-	*	*	*
Goro Gutu	25,718	*	*	-	*	*	*
Deder	38,265	*	*	-	*	*	*
Malka Balo	24,930	303	333	0.01	4,901	13.51	8
Bedeno	43,356	378	*	-	*	*	8
Girawa	38,886	*	*	-	*	*	*
Gola Oda	7,861	*	*	-	*	*	*
Bale Zone	259,058	129,713	146,824	0.57	1,866,032	11.31	9
Kokosa	23,375	15,893	18,343	0.78	220,055	10.17	11
Dodola	23,650	7,490	7,897	0.33	81,193	9.65	9
Adaba	19,856	3,051	3,235	0.16	40,602	11.86	10
Agarfa	13,146	5,652	5,884	0.45	76,095	12.40	10
Gasera	12,088	4,427	4,629	0.38	80,988	16.67	9
Gololcha	14,914	6,493	6,674	0.45	91,697	13.28	12
Legehida	8,094	1,686	1,786	0.22	27,369	14.60	7
Ginir	21,653	11,080	11,592	0.54	153,030	12.57	10
Sinanana Dinsho	24,988	7,427	7,525	0.30	68,653	9.06	12
Goba	7,183	4,581	4,884	0.68	64,191	12.25	11
Mennana Arena Buluk	19,198	14,555	16,359	0.85	186,170	9.92	7
Nensebo	14,169	13,097	21,160	1.49	246,036	7.83	8
Meda Welabu	12,557	8,246	8,772	0.70	106,015	11.42	7
Berbere	10,213	6,274	7,379	0.72	104,829	11.77	7
Guradamole	4,160	3,130	3,248	0.78	45,672	13.48	9
Goro	15,934	11,613	12,250	0.77	196,831	15.29	10
Raytu	6,168	2,392	2,488	0.40	37,548	14.66	10
Seweyna	7,711	2,627	2,720	0.35	39,058	13.95	9
Borena Zone	283,104	193,443	322,714	1.14	2,925,680	5.60	6
Uraga	42,623	40,438	69,496	1.63	737,558	6.04	6
Bore	30,433	25,740	35,654	1.17	407,450	8.40	6
Adolana Wadera	22,616	19,468	25,879	1.14	344,574	10.02	6
Odo Shakiso	14,015	13,441	24,577	1.75	263,923	6.05	6
Hager Mariam	86,116	57,194	114,727	1.33	745,501	3.23	5
Yabelo	10,081	2,360	2,578	0.26	24,812	8.62	6
Arero	3,331	813	916	0.27	8,963	9.02	7
Liben	14,844	3,963	4,393	0.30	50,999	10.15	7
Moyale	10,736	6,111	7,113	0.66	63,714	7.98	5
Dire	13,719	4,475	4,940	0.36	37,735	6.91	9
Teltele	7,361	374	374	0.05	2,082	5.57	7
Gelana Abaya	27,229	19,067	32,067	1.18	238,367	4.47	6

TABLE 8.3A:- Number of Holders Reporting Shovel Owned, Quantity Reported, Replacement Value, and Duration of Service of Shovel, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Shovels Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Shovel (Birr)	Average Duration of Service of Shovel (Years)
Oromia Region	3,981,704	1,214,645	1,398,222	0.35	16,286,908	10.07	6
West Welega Zone	313,923	47,392	48,704	0.16	594,885	11.87	7
Mana Sibu	27,022	5,683	5,840	0.22	72,716	12.12	7
Nejo	17,916	3,042	3,042	0.17	33,689	11.07	7
Gimbi	17,096	1,993	2,039	0.12	28,315	13.62	8
Lalo Asabi	10,906	1,424	1,509	0.14	21,781	13.63	8
Boji	15,188	3,101	3,193	0.21	42,657	13.02	8
Ayra Guliso	16,371	2,446	2,548	0.16	29,591	11.09	7
Jarso	16,190	3,314	3,336	0.21	39,559	11.83	8
Gidami	13,636	2,223	2,250	0.17	25,181	11.07	6
Jimma Horo	6,869	987	998	0.15	11,514	11.33	7
Hawa Welel	17,315	2,504	2,552	0.15	29,425	11.24	8
Gawo Dale	23,820	4,233	4,401	0.18	50,421	10.89	7
Dale Sadi	11,117	1,228	1,262	0.11	12,150	9.44	8
Yubdo	5,640	773	809	0.14	11,012	13.03	8
Ganji	9,611	1,088	1,151	0.12	17,569	14.71	7
Haru	11,508	1,068	1,097	0.10	15,149	13.28	10
Nole Kaba	23,388	2,103	2,193	0.09	30,921	13.46	10
Lalo Kilie	7,900	871	881	0.11	10,148	11.41	8
Sayo	19,844	2,995	3,044	0.15	30,457	9.86	7
Anfilo	11,848	2,670	2,809	0.24	36,840	12.49	6
Begi	30,734	3,645	3,748	0.12	45,792	11.92	7
East Welega Zone	260,893	38,079	39,188	0.15	458,661	11.44	8
Limu	20,690	2,840	2,840	0.14	32,192	11.34	8
Ibantu	5,087	754	800	0.16	7,031	8.32	6
Gida Kiremu	22,168	2,860	2,915	0.13	32,146	10.99	11
Jarte	7,363	1,028	1,028	0.14	14,910	14.50	7
Amuru	7,739	1,083	1,104	0.14	16,255	14.38	7
Abe Dongoro	9,470	1,352	1,364	0.14	18,016	13.11	12
Jimma Horo	24,023	3,805	3,882	0.16	53,657	13.46	8
Abay Chomen	4,715	834	873	0.19	12,385	13.43	8
Guduru	21,520	2,675	2,733	0.13	40,160	14.45	7
Jimma Rare	7,738	1,361	1,372	0.18	18,559	13.43	8
Bila Seyo	13,470	1,968	2,026	0.15	22,940	10.88	9
Sibu Sire	15,203	2,291	2,650	0.17	29,901	10.52	8
Guto Wayu	28,487	5,166	5,286	0.19	54,972	10.14	8
Sasiga	11,346	2,073	2,131	0.19	16,867	7.67	9
Leka Dulecha	10,555	1,643	1,669	0.16	20,364	11.96	9
Diga	11,868	2,380	2,521	0.21	22,337	8.39	9
Jimma Arjo	13,333	1,344	1,344	0.10	17,459	12.99	9
Nunu Kumba	10,438	791	817	0.08	7,937	9.43	8
Wama Bonaya	15,680	1,831	1,831	0.12	20,573	11.24	8
Illibabor Zone	195,287	31,841	33,169	0.17	318,707	9.12	9
Darimu	22,324	1,986	2,077	0.09	23,631	10.54	9
Supena Sodo	13,139	1,686	1,725	0.13	17,220	9.68	8
Chora	19,554	2,649	2,770	0.14	22,943	7.87	10
Dega	10,191	1,306	1,317	0.13	10,957	8.25	9
Bedele	20,513	2,482	2,556	0.12	22,719	8.47	10
Gechi	10,893	1,107	1,107	0.10	11,337	10.24	11
Borecha Wereda	9,030	612	639	0.07	5,893	8.38	10
Dedesa	14,033	2,477	2,539	0.18	28,018	10.66	10
yayu	19,201	4,567	4,931	0.26	60,323	11.19	11
Metu	22,651	6,079	6,425	0.28	54,992	8.06	8

TABLE 8.3A:- Number of Holders Reporting Shovel Owned, Quantity Reported, Replacement Value, and Duration of Service of Shovel, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Shovels Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Shovel (Birr)	Average Duration of Service of Shovel (Years)
Illibabor Zone							
Ale	17,356	3,864	3,903	0.22	33,963	8.59	9
Bure	11,992	2,580	2,735	0.23	23,249	8.04	8
Nono	4,411	447	447	0.10	3,462	7.75	10
Jimma Zone	443,315	59,047	61,557	0.14	824,112	12.87	9
Limu Seka	29,245	1,525	1,525	0.05	16,466	10.80	9
Limu Kosa	45,921	5,543	5,643	0.12	83,645	14.56	9
Sokoru	25,586	4,098	4,203	0.16	46,441	10.78	10
Tiro Afeta	24,135	3,082	3,233	0.13	46,532	13.67	9
Kersa	29,474	3,999	4,117	0.14	60,112	14.23	9
Mana	27,816	4,573	4,682	0.17	63,461	13.34	8
Goma	49,523	9,088	9,273	0.19	114,277	12.09	10
Gera	20,803	3,095	3,527	0.17	40,903	11.13	8
Seka chekorsa	56,422	6,565	7,261	0.13	95,959	11.86	10
Dedo	54,035	9,124	9,486	0.18	138,375	13.99	9
Omonada	45,972	5,432	5,618	0.12	81,508	13.80	10
Sigmo	16,132	1,269	1,269	0.08	14,160	11.16	8
Setema	18,249	1,655	1,721	0.09	22,272	12.47	9
West Shewa Zone	502,591	105,529	108,168	0.22	1,281,175	11.54	8
Ginde Beret	33,630	4,823	5,000	0.15	66,211	12.80	9
Jeldu	33,701	4,900	4,989	0.15	66,740	12.98	8
Ambo	40,122	10,287	10,517	0.26	86,628	8.09	8
Cheliya	37,011	5,795	5,930	0.16	67,240	11.11	8
Bako Tibe	19,389	3,659	3,892	0.20	38,670	9.31	7
Dano	15,544	1,678	1,754	0.11	20,978	11.34	8
Nono	23,140	4,818	4,948	0.21	58,934	11.66	8
Tikur	12,596	4,379	4,441	0.35	53,660	11.92	8
Amaya	21,943	3,928	3,982	0.18	52,247	13.01	8
Wonchi	17,405	6,700	6,763	0.39	102,843	15.05	6
Dendi	37,106	7,599	7,599	0.20	73,815	9.71	11
Ejerie	15,219	2,710	2,710	0.18	26,372	9.73	9
Adda Berga	19,302	2,981	2,981	0.15	33,087	11.10	7
Walmara	17,073	4,985	5,085	0.30	43,960	8.51	8
Alem Gana	20,607	5,225	5,565	0.27	75,864	12.82	9
Kersana Kondaltiti	22,051	5,022	5,109	0.23	70,117	13.55	8
Tole	10,401	1,215	1,215	0.12	15,668	12.90	8
Elu	10,354	1,417	1,429	0.14	17,304	11.98	8
Dawo	13,068	1,238	1,238	0.09	15,781	12.75	10
Walisona Goro	35,633	13,494	14,067	0.39	184,125	12.46	8
Becho	11,294	1,802	1,871	0.17	22,638	11.50	8
Kokir	12,362	3,935	4,088	0.33	50,116	11.76	7
Meta Robi	23,639	2,938	2,994	0.13	38,179	12.63	11
North Shewa(Oromia) Zone	237,011	45,085	46,344	0.20	498,435	10.45	10
Wara Jarso	25,009	2,352	2,566	0.10	31,972	11.59	12
Dera	35,035	2,813	2,935	0.08	31,031	10.07	7
Hidabu Abote	15,884	844	862	0.05	10,477	11.84	11
Kuyu	20,090	1,341	1,341	0.07	16,267	12.13	12
Degem	17,936	2,334	2,358	0.13	25,396	10.68	12
Gerar Jarso	13,163	3,024	3,113	0.24	35,939	11.19	10
Yaya Gulelena Debre Libano	16,566	2,646	2,738	0.17	29,125	10.13	10
Wuchalena Jido	22,017	5,651	5,711	0.26	62,753	10.93	9
Abichuna Gna'a	11,868	3,145	3,220	0.27	20,731	6.28	9
Kembibit	10,860	3,731	3,892	0.36	35,989	8.93	9
Berehna Aleltu	24,774	8,424	8,653	0.35	98,340	11.02	9
Mulona Sululta	23,810	8,780	8,954	0.38	100,416	10.96	11

TABLE 8.3A:- Number of Holders Reporting Shovel Owned, Quantity Reported, Replacement Value, and Duration of Service of Shovel, for Private Holdings.(Continued)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Shovels Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Shovel (Birr)	Average Duration of Service of Shovel (Years)
East Shewa Zone	314,966	64,729	68,462	0.22	857,474	11.75	7
Fentale	6,677	1,521	1,874	0.28	33,899	14.79	4
Boset	24,837	5,406	5,618	0.23	64,079	10.91	8
Adama	26,906	9,440	10,041	0.37	124,964	11.53	6
Lome	14,564	6,671	6,918	0.48	85,252	11.87	7
Gimbichu	15,569	3,813	3,882	0.25	50,583	12.81	9
Ada'a Liben Chukala	40,176	10,707	11,242	0.28	147,639	12.27	7
Dugda Bora	28,844	5,260	5,604	0.19	44,775	7.45	7
Adami Tullu Jido Kombolcha	23,794	4,292	4,682	0.20	44,213	8.56	8
Arsi Negele	26,584	3,422	3,528	0.13	50,948	14.09	7
Shashemene	46,108	5,658	6,086	0.13	97,935	14.73	5
Seraro	48,209	4,774	5,072	0.11	65,545	12.42	7
Akaki	12,696	3,766	3,915	0.31	47,642	11.73	8
Arsi Zone	493,007	109,708	121,036	0.25	1,748,564	12.96	8
Merti	22,750	8,581	10,869	0.48	209,642	15.50	9
Aseko	14,396	6,854	8,552	0.59	218,023	19.99	10
Gololcha	29,178	23,010	26,900	0.92	339,138	10.82	5
Jeju	22,217	4,786	5,348	0.24	87,232	15.28	9
Dodotana Sire	22,887	4,188	4,358	0.19	58,571	13.07	12
Zeway Dugda	21,200	3,676	3,986	0.19	42,174	10.01	9
Hitosa	39,229	8,322	8,901	0.23	130,673	13.51	10
Sude	25,501	1,392	1,440	0.06	19,163	13.06	9
Chole	15,918	4,738	4,970	0.31	84,253	16.16	6
Amigna	11,176	2,095	2,308	0.21	42,106	16.49	7
Seru	18,205	2,675	2,898	0.16	50,010	15.91	6
Robe	27,062	1,398	1,527	0.06	12,933	7.82	8
Tena	20,684	2,485	2,615	0.13	30,807	11.45	9
Sherka	26,405	2,584	2,761	0.10	31,910	10.96	10
Digeluna Tijo	22,181	4,127	4,184	0.19	44,519	10.44	9
Tiyo	15,978	3,798	3,877	0.24	51,829	13.01	9
Munesa	35,171	4,925	5,045	0.14	75,033	14.60	10
Bekoji	35,995	6,359	6,436	0.18	71,329	10.90	9
Gedeb	24,847	6,229	6,330	0.25	68,303	10.49	8
Kofele	42,028	7,486	7,731	0.18	80,917	10.25	8
West Harerge Zone	291,356	250,638	315,778	1.08	4,447,693	11.06	4
Mieso	16,400	9,579	10,631	0.65	151,443	12.90	5
Doba	22,768	20,899	27,993	1.23	392,322	10.10	7
Tulo	24,329	22,328	27,373	1.13	322,577	9.54	4
Mesela	25,840	23,570	32,001	1.24	369,567	8.42	4
Chiro	62,368	55,460	70,240	1.13	1,092,877	12.01	4
Goba Koricha	20,014	16,278	21,246	1.06	331,467	11.94	4
Anchar	13,430	8,472	10,166	0.76	207,687	16.81	6
Habro	30,386	27,155	35,889	1.18	519,371	10.74	3
Darolebu	26,978	23,675	27,569	1.02	364,097	11.36	4
Boke	22,144	18,636	21,714	0.98	277,579	11.11	5
Kuni	26,701	24,585	30,957	1.16	418,708	10.79	4
East Harerge Zone	387,193	340,611	421,275	1.09	3,636,924	6.89	5
Kombolcha	20,710	19,713	26,076	1.26	309,743	8.94	2
Jarso	17,052	14,987	19,676	1.15	182,722	6.41	4
Gursum	25,567	23,185	29,194	1.14	208,077	5.60	2
Babile	10,237	7,391	9,588	0.94	104,066	8.38	2
Fedis	24,565	21,353	27,260	1.11	252,702	7.31	6
Haro Maya	31,404	30,410	45,510	1.45	352,136	5.16	2
Kurfa Chele	7,122	5,527	6,057	0.85	52,494	7.89	8
Kersa	27,745	25,675	30,784	1.11	255,501	6.91	5

TABLE 8.3A:- Number of Holders Reporting Shovel Owned, Quantity Reported, Replacement Value, and Duration of Service of Shovel, for Private Holdings.(Continued)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Shovels Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Shovel (Birr)	Average Duration of Service of Shovel (Years)
East Harerge Zone							
Meta	43,775	35,881	40,534	0.93	294,086	6.54	4
Goro Gutu	25,718	22,437	30,005	1.17	359,146	8.86	6
Deder	38,265	35,222	41,453	1.08	366,648	7.40	5
Malka Balo	24,930	22,829	28,559	1.15	317,628	8.98	5
Bedeno	43,356	37,204	43,645	1.01	295,657	5.78	7
Girawa	38,886	32,445	35,564	0.91	230,538	5.94	7
Gola Oda	7,861	6,352	7,372	0.94	55,780	6.53	9
Bale Zone	259,058	55,446	61,127	0.24	746,660	10.85	9
Kokosa	23,375	1,436	1,468	0.06	16,125	10.72	10
Dodola	23,650	3,858	3,907	0.17	38,409	9.66	8
Adaba	19,856	2,273	2,377	0.12	26,676	10.53	11
Agarfa	13,146	2,391	2,602	0.20	28,407	10.01	9
Gasera	12,088	3,175	3,500	0.29	48,615	12.76	8
Gololcha	14,914	7,843	9,076	0.61	112,064	10.41	9
Legehida	8,094	1,852	2,105	0.26	38,720	16.14	8
Ginir	21,653	8,443	9,326	0.43	99,172	9.47	9
Sinanana Dinsho	24,988	3,301	3,393	0.14	36,236	8.72	11
Goba	7,183	895	915	0.13	10,547	11.02	11
Mennana Arena Buluk	19,198	3,924	4,555	0.24	63,012	11.50	8
Nensebo	14,169	905	981	0.07	8,964	8.43	12
Meda Welabu	12,557	2,297	2,419	0.19	20,819	8.19	7
Berbere	10,213	2,034	2,334	0.23	52,973	20.35	7
Guradamole	4,160	164	193	0.05	3,754	16.35	11
Goro	15,934	1,511	1,533	0.10	19,916	12.74	10
Raytu	6,168	4,308	5,113	0.83	57,386	9.37	9
Seweyna	7,711	4,837	5,331	0.69	64,866	11.01	9
Borena Zone	283,104	66,541	73,413	0.26	873,618	10.89	6
Uraga	42,623	6,771	6,980	0.16	90,800	12.63	6
Bore	30,433	4,674	5,084	0.17	77,929	14.24	7
Adolana Wadera	22,616	8,163	8,781	0.39	116,595	12.57	6
Odo Shakiso	14,015	5,204	5,636	0.40	76,442	12.50	6
Hager Mariam	86,116	16,158	18,061	0.21	173,549	8.54	6
Yabelo	10,081	3,834	4,406	0.44	60,421	12.18	7
Arero	3,331	1,330	1,648	0.49	20,239	10.05	6
Liben	14,844	4,968	5,242	0.35	67,563	12.19	6
Moyale	10,736	5,128	6,089	0.57	69,114	9.83	5
Dire	13,719	4,600	5,265	0.38	48,184	7.92	7
Teltele	7,361	867	888	0.12	5,679	6.24	5
Gelana Abaya	27,229	4,845	5,335	0.20	67,103	11.77	7

TABLE 8.4A: - Number of Holders Reporting Hoe Owned, Quantity Reported, Replacement Value, and Duration of Service of Hoe, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Hoes Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Hoe (Birr)	Average Duration of Service of Hoe (Years)
Oromia Region	3,981,704	1,799,090	2,415,953	0.61	24,116,966	7.75	7
West Welega Zone	313,923	251,007	430,297	1.37	3,884,384	5.14	6
Mana Sibu	27,022	20,439	36,523	1.35	314,200	4.79	6
Nejo	17,916	16,287	26,469	1.48	157,629	3.72	5
Gimbi	17,096	13,977	25,508	1.49	369,551	8.08	5
Lalo Asabi	10,906	9,360	19,930	1.83	267,699	6.56	4
Boji	15,188	12,797	23,902	1.57	157,807	3.59	5
Ayra Guliso	16,371	14,302	26,547	1.62	183,330	3.79	6
Jarso	16,190	12,389	18,459	1.14	113,084	4.16	7
Gidami	13,636	12,849	24,022	1.76	211,497	4.72	7
Jimma Horo	6,869	5,556	8,731	1.27	57,702	4.22	8
Hawa Welel	17,315	11,089	14,929	0.86	91,677	4.62	8
Gawo Dale	23,820	13,593	16,279	0.68	121,739	6.30	8
Dale Sadi	11,117	7,746	10,012	0.90	55,161	4.29	8
Yubdo	5,640	5,114	9,089	1.61	68,108	4.26	7
Ganji	9,611	7,860	15,451	1.61	210,023	6.77	5
Haru	11,508	10,573	20,957	1.82	396,109	9.57	5
Nole Kaba	23,388	19,366	34,632	1.48	366,953	5.86	8
Lalo Kilie	7,900	7,140	10,981	1.39	64,326	3.77	6
Sayo	19,844	15,402	23,722	1.20	136,509	3.86	6
Anfilo	11,848	8,014	11,867	1.00	89,788	5.13	5
Begi	30,734	27,155	52,288	1.70	451,490	4.49	6
East Welega Zone	260,893	161,817	246,521	0.94	1,526,885	4.11	7
Limu	20,690	12,161	16,893	0.82	106,284	4.29	5
Ibantu	5,087	4,199	7,308	1.44	41,779	3.16	4
Gida Kiremu	22,168	11,995	20,988	0.95	131,466	3.45	6
Jarte	7,363	5,176	8,156	1.11	58,311	4.57	5
Amuru	7,739	6,358	11,944	1.54	86,015	3.84	5
Abe Dongoro	9,470	5,976	10,109	1.07	75,437	4.60	7
Jimma Horo	24,023	14,711	21,969	0.91	120,726	3.78	7
Abay Chomen	4,715	1,940	2,737	0.58	27,074	7.18	8
Guduru	21,520	8,222	13,281	0.62	78,612	3.90	6
Jimma Rare	7,738	3,911	6,214	0.80	15,081	1.48	6
Bila Seyo	13,470	9,747	15,960	1.18	59,792	2.51	6
Sibu Sire	15,203	8,853	11,783	0.78	80,267	5.48	8
Guto Wayu	28,487	20,257	27,536	0.97	180,302	4.73	7
Sasiga	11,346	9,937	16,248	1.43	100,079	3.60	8
Leka Dulecha	10,555	7,070	8,611	0.82	57,439	5.21	7
Diga	11,868	10,259	17,917	1.51	121,593	3.94	7
Jimma Arjo	13,333	6,622	8,347	0.63	60,840	5.82	9
Nunu Kumba	10,438	5,390	6,205	0.59	34,698	4.93	8
Wama Bonaya	15,680	9,033	14,315	0.91	91,090	4.46	8
Illibabor Zone	195,287	155,893	221,763	1.14	1,376,242	4.19	9
Darimu	22,324	19,476	31,240	1.40	185,165	3.63	8
Supena Sodo	13,139	11,911	20,140	1.53	147,628	4.28	8
Chora	19,554	16,094	21,412	1.10	123,506	4.08	10
Dega	10,191	8,374	12,337	1.21	73,622	3.97	7
Bedele	20,513	15,779	21,496	1.05	136,479	4.46	8
Gechi	10,893	8,445	10,341	0.95	58,011	4.52	9
Borecha Wereda	9,030	6,507	7,625	0.84	39,569	4.41	8
Dedesa	14,033	9,037	11,184	0.80	63,589	4.38	10
yayu	19,201	16,400	26,152	1.36	169,871	3.94	11
Metu	22,651	19,562	29,256	1.29	222,411	4.86	8

TABLE 8.4A: - Number of Holders Reporting Hoe Owned, Quantity Reported, Replacement Value, and Duration of Service of Hoe, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Hoes Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Hoe (Birr)	Average Duration of Service of Hoe (Years)
Illibabor Zone							
Ale	17,356	12,007	14,720	0.85	81,538	4.40	11
Bure	11,992	9,071	11,817	0.99	49,691	3.17	11
Nono	4,411	3,231	4,044	0.92	25,164	4.94	10
Jimma Zone	443,315	135,591	166,476	0.38	1,226,177	6.10	9
Limu Seka	29,245	13,277	14,852	0.51	106,565	6.42	6
Limu Kosa	45,921	14,416	20,612	0.45	137,697	5.03	9
Sokoru	25,586	10,926	12,665	0.49	138,794	9.59	9
Tiro Afeta	24,135	7,454	9,775	0.41	80,406	6.58	7
Kersa	29,474	6,892	8,734	0.30	63,509	5.96	8
Mana	27,816	3,283	3,852	0.14	24,187	5.42	8
Goma	49,523	16,921	19,589	0.40	198,976	8.80	9
Gera	20,803	6,487	7,898	0.38	51,110	5.54	7
Seka chekorsa	56,422	7,545	9,016	0.16	66,979	6.06	11
Dedo	54,035	13,516	17,062	0.32	112,288	5.02	13
Omonada	45,972	12,081	16,649	0.36	113,345	5.20	7
Sigmo	16,132	11,372	12,932	0.80	62,225	4.14	6
Setema	18,249	11,419	12,840	0.70	70,098	4.77	9
West Shewa Zone	502,591	194,827	273,275	0.54	2,275,229	6.85	8
Ginde Beret	33,630	4,554	5,969	0.18	32,085	4.28	9
Jeldu	33,701	12,982	17,405	0.52	148,211	6.51	8
Ambo	40,122	16,943	23,969	0.60	156,093	4.86	7
Cheliya	37,011	14,129	26,964	0.73	61,482	1.31	5
Bako Tibe	19,389	16,957	40,764	2.10	71,384	0.70	4
Dano	15,544	5,860	8,182	0.53	35,580	3.29	6
Nono	23,140	6,354	9,635	0.42	40,619	3.27	7
Tikur	12,596	5,997	7,087	0.56	68,328	8.38	9
Amaya	21,943	7,098	9,605	0.44	72,461	6.73	8
Wonchi	17,405	11,449	13,041	0.75	216,062	15.25	6
Dendi	37,106	15,091	19,802	0.53	229,621	9.25	11
Ejerie	15,219	3,613	4,604	0.30	53,236	8.91	11
Adda Berga	19,302	5,225	6,199	0.32	53,988	7.54	9
Walmara	17,073	5,746	6,156	0.36	56,667	8.49	11
Alem Gana	20,607	5,240	5,649	0.27	63,908	10.31	9
Kersana Kondaltiti	22,051	8,848	9,637	0.44	166,357	16.06	7
Tole	10,401	2,139	2,251	0.22	23,917	10.17	8
Elu	10,354	2,517	2,775	0.27	23,730	7.89	11
Dawo	13,068	3,674	4,431	0.34	53,975	9.79	9
Walisona Goro	35,633	23,428	28,352	0.80	384,069	11.50	8
Becho	11,294	3,065	3,603	0.32	31,556	7.80	9
Kokir	12,362	8,113	9,852	0.80	171,666	14.61	7
Meta Robi	23,639	5,806	7,342	0.31	60,233	6.83	11
North Shewa(Oromia) Zone	237,011	29,256	34,747	0.15	248,018	6.40	10
Wara Jarso	25,009	3,241	3,957	0.16	18,222	4.07	9
Dera	35,035	3,425	5,032	0.14	21,896	3.08	5
Hidabu Abote	15,884	2,741	3,636	0.23	18,496	3.87	9
Kuyu	20,090	2,728	3,522	0.18	18,570	4.23	6
Degem	17,936	4,403	5,008	0.28	28,052	5.03	11
Gerar Jarso	13,163	1,962	1,979	0.15	14,623	7.35	10
Yaya Gulelena Debre Libanos	16,566	1,646	2,019	0.12	13,314	5.85	10
Wuchalena Jido	22,017	907	1,015	0.05	7,397	6.99	12
Abichuna Gna'a	11,868	616	662	0.06	4,589	6.52	12
Kembibit	10,860	600	618	0.06	4,839	7.71	8
Berehna Aleltu	24,774	3,231	3,433	0.14	53,842	14.79	12
Mulona Sululta	23,810	3,755	3,865	0.16	44,178	11.22	16

TABLE 8.4A: - Number of Holders Reporting Hoe Owned, Quantity Reported, Replacement Value, and Duration of Service of Hoe, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Hoes Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Hoe (Birr)	Average Duration of Service of Hoe (Years)
East Shewa Zone	314,966	69,424	84,626	0.27	535,273	5.31	6
Fentale	6,677	*	*	-	5,591	*	*
Boset	24,837	849	873	0.04	8,716	9.70	12
Adama	26,906	3,380	3,669	0.14	36,889	9.25	10
Lome	14,564	2,533	2,785	0.19	30,464	10.15	12
Gimbichu	15,569	1,032	1,048	0.07	15,596	14.55	15
Ada'a Liben Chukala	40,176	6,156	7,751	0.19	114,904	11.16	10
Dugda Bora	28,844	6,961	7,223	0.25	43,091	5.78	8
Adami Tullu Jido Kombolcha	23,794	7,221	8,792	0.37	31,228	3.10	5
Arsi Negele	26,584	8,785	11,606	0.44	50,547	3.42	4
Shashemene	46,108	14,334	19,667	0.43	83,084	3.19	3
Seraro	48,209	15,289	18,188	0.38	78,964	3.65	4
Akaki	12,696	2,534	2,613	0.21	36,199	13.32	9
Arsi Zone	493,007	129,934	146,161	0.30	1,421,508	8.89	9
Merti	22,750	2,280	2,409	0.11	28,041	10.84	9
Aseko	14,396	5,029	5,527	0.38	88,651	14.62	10
Gololcha	29,178	10,169	10,864	0.37	220,179	18.83	7
Jeju	22,217	3,536	3,969	0.18	30,373	6.97	5
Dodotana Sire	22,887	4,408	4,832	0.21	37,609	7.15	10
Zeway Dugda	21,200	6,732	7,040	0.33	43,855	5.98	9
Hitosa	39,229	11,977	12,962	0.33	129,692	9.13	11
Sude	25,501	4,076	4,133	0.16	49,813	11.85	8
Chole	15,918	3,636	3,762	0.24	69,142	17.72	9
Amigna	11,176	3,082	3,516	0.31	32,824	8.47	6
Seru	18,205	3,595	3,864	0.21	40,731	9.69	5
Robe	27,062	3,919	4,142	0.15	36,663	8.34	9
Tena	20,684	1,946	2,021	0.10	21,481	10.20	10
Sherka	26,405	3,278	3,482	0.13	27,688	7.79	12
Digeluna Tijo	22,181	6,380	6,626	0.30	58,526	8.61	10
Tiyo	15,978	4,593	4,830	0.30	48,113	9.50	12
Munesa	35,171	10,661	12,017	0.34	97,903	7.44	9
Bekoji	35,995	9,449	9,993	0.28	78,012	7.57	10
Gedeb	24,847	11,351	13,432	0.54	111,735	7.33	8
Kofele	42,028	19,837	26,739	0.64	170,478	5.00	7
West Harerge Zone	291,356	213,559	245,700	0.84	5,025,490	17.75	6
Mieso	16,400	7,238	7,979	0.49	155,776	17.71	6
Doba	22,768	20,252	24,287	1.07	392,380	13.40	8
Tulo	24,329	18,940	22,297	0.92	367,777	13.61	6
Mesela	25,840	22,121	26,459	1.02	469,890	14.50	5
Chiro	62,368	47,732	53,885	0.86	1,129,965	18.63	6
Goba Koricha	20,014	16,389	20,082	1.00	504,190	20.75	5
Anchar	13,430	7,635	9,008	0.67	159,121	15.15	7
Habro	30,386	19,644	22,460	0.74	462,106	17.91	6
Darolebu	26,978	15,027	15,840	0.59	375,517	22.34	6
Boke	22,144	15,917	17,543	0.79	381,113	19.90	7
Kuni	26,701	22,664	25,860	0.97	627,655	21.12	6
East Harerge Zone	387,193	297,652	363,468	0.94	4,907,137	10.99	7
Kombolcha	20,710	15,094	18,198	0.88	417,391	19.09	5
Jarso	17,052	12,766	14,587	0.86	203,799	11.88	6
Gursum	25,567	12,556	13,698	0.54	124,353	8.39	3
Babile	10,237	4,609	5,202	0.51	100,885	17.05	4
Fedis	24,565	18,938	22,306	0.91	381,775	14.48	11
Haro Maya	31,404	28,020	36,332	1.16	530,275	11.10	4
Kurfa Chele	7,122	5,531	7,725	1.08	147,006	13.63	8
Kersa	27,745	18,529	21,336	0.77	295,062	12.03	6

TABLE 8.4A: - Number of Holders Reporting Hoe Owned, Quantity Reported, Replacement Value, and Duration of Service of Hoe, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Hoes Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Hoe (Birr)	Average Duration of Service of Hoe (Years)
East Harerge Zone							
Meta	43,775	36,577	49,078	1.12	564,540	8.46	5
Goro Gutu	25,718	21,108	22,812	0.89	310,707	12.55	7
Deder	38,265	27,278	29,934	0.78	293,281	8.98	7
Malka Balo	24,930	20,375	22,950	0.92	363,347	14.11	8
Bedeno	43,356	35,590	45,293	1.04	557,603	9.43	9
Girawa	38,886	34,560	47,112	1.21	502,455	7.64	8
Gola Oda	7,861	6,121	6,903	0.88	114,659	14.54	11
Bale Zone	259,058	77,222	86,043	0.33	636,606	6.71	8
Kokosa	23,375	14,308	18,086	0.77	128,888	5.86	7
Dodola	23,650	11,114	12,397	0.52	72,222	5.12	7
Adaba	19,856	5,181	5,384	0.27	28,930	5.12	8
Agarfa	13,146	4,138	4,317	0.33	33,333	7.36	10
Gasera	12,088	4,527	4,693	0.39	37,956	7.88	8
Gololcha	14,914	4,660	4,895	0.33	54,090	10.46	11
Legehida	8,094	2,472	2,515	0.31	31,743	12.39	7
Ginir	21,653	2,829	3,037	0.14	24,877	7.70	9
Sinanana Dinsho	24,988	9,526	9,764	0.39	55,629	5.64	11
Goba	7,183	2,004	2,094	0.29	13,571	6.14	10
Mennana Arena Buluk	19,198	2,630	2,731	0.14	20,476	7.20	8
Nensebo	14,169	6,308	7,881	0.56	75,636	8.13	10
Meda Welabu	12,557	2,173	2,366	0.19	13,832	5.56	8
Berbere	10,213	1,539	1,782	0.17	13,867	6.47	6
Guradamole	4,160	200	200	0.05	1,959	9.80	8
Goro	15,934	2,160	2,398	0.15	17,863	6.80	7
Raytu	6,168	430	446	0.07	3,358	7.43	6
Seweyna	7,711	1,025	1,059	0.14	8,375	7.53	7
Borena Zone	283,104	82,909	116,876	0.41	1,054,016	6.56	6
Uraga	42,623	9,699	11,521	0.27	118,017	8.47	6
Bore	30,433	8,108	11,585	0.38	118,878	7.38	5
Adolana Wadera	22,616	10,949	13,064	0.58	175,429	11.36	5
Odo Shakiso	14,015	7,504	10,151	0.72	123,557	8.97	7
Hager Mariam	86,116	29,342	47,605	0.55	353,043	4.50	6
Yabelo	10,081	3,182	4,615	0.46	50,021	8.15	6
Arero	3,331	442	530	0.16	4,025	6.42	8
Liben	14,844	887	992	0.07	8,994	8.37	6
Moyale	10,736	*	*	-	17,742	*	*
Dire	13,719	2,889	3,223	0.23	26,191	7.39	7
Teltele	7,361	2,471	3,077	0.42	9,946	2.53	4
Gelana Abaya	27,229	4,766	6,506	0.24	48,174	5.49	8

TABLE 8.5A: - Number of Holders Reporting 'Mekeskesha' Owned, Quantity Reported, Replacement Value,and Duration of Service of 'Mekeskesha', for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Mekeskeshas' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Mekeskesha' (Birr)	Average Duration of Service of 'Mekeskesha' (Years)
Oromia Region	3,981,704	209,704	302,718	0.08	1,243,920	3.46	5
West Welega Zone	313,923	24,020	35,694	0.11	158,305	3.62	4
Mana Sibu	27,022	3,884	6,632	0.25	26,217	2.80	4
Nejo	17,916	303	350	0.02	*	*	5
Gimbi	17,096	2,393	3,236	0.19	12,017	3.20	3
Lalo Asabi	10,906	1,238	1,541	0.14	5,806	2.98	3
Boji	15,188	1,396	1,592	0.10	8,181	4.54	3
Ayra Guliso	16,371	*	*	-	*	*	*
Jarso	16,190	118	159	0.01	688	4.20	5
Gidami	13,636	*	*	-	*	*	*
Jimma Horo	6,869	199	199	0.03	679	3.41	4
Hawa Welel	17,315	2,790	4,398	0.25	19,741	3.22	6
Gawo Dale	23,820	3,041	5,757	0.24	23,344	3.38	5
Dale Sadi	11,117	1,018	1,420	0.13	6,132	3.26	4
Yubdo	5,640	193	215	0.04	1,927	8.20	8
Ganji	9,611	401	441	0.05	2,434	4.98	5
Haru	11,508	1,221	1,706	0.15	13,400	6.56	6
Nole Kaba	23,388	*	2,246	0.10	4,553	1.47	*
Lalo Kilie	7,900	405	462	0.06	2,139	3.96	4
Sayo	19,844	1,708	2,944	0.15	4,765	1.08	4
Anfilo	11,848	219	230	0.02	*	*	5
Begi	30,734	*	*	-	*	*	*
East Welega Zone	260,893	15,903	26,874	0.10	63,607	1.65	4
Limu	20,690	*	*	-	*	*	*
Ibantu	5,087	*	*	-	*	*	*
Gida Kiremu	22,168	*	*	-	*	*	*
Jarte	7,363	59	78	0.01	1,345	*	5
Amuru	7,739	298	336	0.04	*	*	4
Abe Dongoro	9,470	122	141	0.01	*	*	*
Jimma Horo	24,023	1,572	2,967	0.12	7,838	1.92	2
Abay Chomen	4,715	388	554	0.12	1,060	1.33	2
Guduru	21,520	243	459	0.02	*	3.03	3
Jimma Rare	7,738	120	175	0.02	574	2.95	4
Bila Seyo	13,470	330	522	0.04	1,629	1.93	4
Sibu Sire	15,203	172	291	0.02	1,086	2.00	4
Guto Wayu	28,487	2,289	2,563	0.09	7,853	2.88	4
Sasiga	11,346	*	*	-	*	*	*
Leka Dulecha	10,555	995	1,432	0.14	3,421	1.66	3
Diga	11,868	126	*	-	*	*	*
Jimma Arjo	13,333	898	1,064	0.08	3,127	2.60	4
Nunu Kumba	10,438	4,642	9,266	0.89	12,569	0.68	4
Wama Bonaya	15,680	3,017	6,138	0.39	10,648	0.86	5
Illibabor Zone	195,287	5,577	6,809	0.03	23,662	3.00	6
Darimu	22,324	*	*	-	*	*	*
Supena Sodo	13,139	442	525	0.04	2,982	4.81	7
Chora	19,554	*	*	-	*	*	*
Dega	10,191	670	728	0.07	865	1.17	2
Bedele	20,513	1,143	1,422	0.07	2,695	1.55	*
Gechi	10,893	582	747	0.07	2,022	2.00	5
Borecha Wereda	9,030	580	979	0.11	1,965	1.14	4
Dedesa	14,033	*	*	-	*	*	*
yayu	19,201	267	267	0.01	1,506	5.64	9
Metu	22,651	555	748	0.03	2,614	2.51	5

TABLE 8.5A: - Number of Holders Reporting 'Mekeskesha' Owned, Quantity Reported, Replacement Value,and Duration of Service of 'Mekeskesha', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Mekeskeshas' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Mekeskesha' (Birr)	Average Duration of Service of 'Mekeskesha' (Years)
Illibabor Zone							
Ale	17,356	365	365	0.02	*	*	13
Bure	11,992	397	414	0.03	2,174	5.05	6
Nono	4,411	*	*	-	*	*	*
Jimma Zone	443,315	56,756	80,034	0.18	293,504	3.40	5
Limu Seka	29,245	3,661	6,783	0.23	22,150	2.10	4
Limu Kosa	45,921	3,704	4,119	0.09	37,996	8.64	6
Sokoru	25,586	8,740	14,334	0.56	57,431	3.03	5
Tiro Afeta	24,135	5,141	6,336	0.26	23,144	3.30	5
Kersa	29,474	5,290	7,027	0.24	14,481	1.66	3
Mana	27,816	1,233	1,416	0.05	7,617	4.92	6
Goma	49,523	5,202	5,783	0.12	*	*	*
Gera	20,803	2,283	2,804	0.13	8,884	2.71	6
Seka chekorsa	56,422	3,145	4,551	0.08	12,995	2.22	6
Dedo	54,035	7,653	10,330	0.19	32,592	*	3
Omonada	45,972	10,041	15,834	0.34	27,581	1.10	4
Sigmo	16,132	206	206	0.01	613	2.98	3
Setema	18,249	454	509	0.03	1,708	3.22	4
West Shewa Zone	502,591	66,183	103,049	0.21	345,362	2.48	6
Ginde Beret	33,630	*	*	-	*	*	*
Jeldu	33,701	6,855	10,608	0.31	41,030	2.69	6
Ambo	40,122	5,830	*	-	34,662	*	7
Cheliya	37,011	2,643	3,803	0.10	14,490	3.25	6
Bako Tibe	19,389	*	*	-	*	*	*
Dano	15,544	4,375	7,648	0.49	14,659	1.08	6
Nono	23,140	3,024	5,249	0.23	8,418	1.08	5
Tikur	12,596	1,479	1,720	0.14	5,861	3.11	6
Amaya	21,943	6,125	9,909	0.45	32,141	2.49	5
Wonchi	17,405	7,514	12,698	0.73	36,448	2.10	4
Dendi	37,106	7,274	12,148	0.33	33,331	1.81	8
Ejerie	15,219	152	152	0.01	1,503	9.89	10
Adda Berga	19,302	373	480	0.02	2,763	5.32	6
Walmara	17,073	859	944	0.06	6,638	6.29	7
Alem Gana	20,607	1,402	1,807	0.09	12,424	5.50	7
Kersana Kondaltiti	22,051	4,356	6,195	0.28	28,702	3.42	5
Tole	10,401	1,232	1,418	0.14	6,413	4.11	5
Elu	10,354	424	486	0.05	2,304	4.19	10
Dawo	13,068	797	986	0.08	4,517	4.13	6
Walisona Goro	35,633	6,417	8,803	0.25	24,420	2.21	4
Becho	11,294	1,642	2,488	0.22	9,340	3.03	7
Kokir	12,362	1,047	1,196	0.10	8,052	5.58	5
Meta Robi	23,639	496	568	0.02	3,375	5.69	*
North Shewa(Oromia) Zone	237,011	8,349	10,283	0.04	45,654	3.85	8
Wara Jarso	25,009	*	*	-	7,127	*	*
Dera	35,035	*	*	-	*	*	*
Hidabu Abote	15,884	-	-	-	-	-	-
Kuyu	20,090	1,290	1,605	0.08	4,894	2.46	5
Degem	17,936	120	197	0.01	858	2.68	5
Gerar Jarso	13,163	167	183	0.01	*	*	6
Yaya Gulelena Debre Libano	16,566	*	*	-	*	*	*
Wuchalena Jido	22,017	594	676	0.03	3,391	4.53	*
Abichuna Gna'a	11,868	1,824	2,204	0.19	4,561	1.74	3
Kembibit	10,860	955	970	0.09	10,216	10.46	14
Berehna Aleltu	24,774	757	845	0.03	6,303	6.82	15
Mulona Sululta	23,810	663	752	0.03	3,557	4.02	12

TABLE 8.5A: - Number of Holders Reporting 'Mekeskesha' Owned, Quantity Reported, Replacement Value,and Duration of Service of 'Mekeskesha', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Mekeskeshas' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Mekeskesha' (Birr)	Average Duration of Service of 'Mekeskesha' (Years)
East Shewa Zone	314,966	3,492	4,369	0.01	31,363	6.53	5
Fentale	6,677	*	*	-	*	*	*
Boset	24,837	*	*	-	*	*	*
Adama	26,906	*	*	-	*	*	*
Lome	14,564	*	*	-	*	*	*
Gimbichu	15,569	*	*	-	*	*	*
Ada'a Liben Chukala	40,176	-	-	-	-	-	-
Dugda Bora	28,844	*	*	-	*	*	*
Adami Tullu Jido Kombolcha	23,794	*	*	-	*	*	*
Arsi Negele	26,584	155	155	0.01	*	*	*
Shashemene	46,108	*	*	-	5,810	*	*
Seraro	48,209	1,093	1,166	0.02	10,925	9.20	6
Akaki	12,696	*	*	-	*	*	*
Arsi Zone	493,007	3,447	3,561	0.01	61,869	17.26	9
Merti	22,750	*	*	-	*	*	*
Aseko	14,396	*	*	-	*	*	*
Gololcha	29,178	*	*	-	*	*	*
Jeju	22,217	*	*	-	*	*	*
Dodotana Sire	22,887	*	*	-	*	*	*
Zeway Dugda	21,200	*	*	-	*	*	*
Hitosa	39,229	*	*	-	*	*	*
Sude	25,501	*	*	-	*	*	*
Chole	15,918	*	*	-	*	*	*
Amigna	11,176	*	*	-	*	*	*
Seru	18,205	*	*	-	*	*	*
Robe	27,062	130	130	0.00	*	*	*
Tena	20,684	*	*	-	*	*	12
Sherka	26,405	399	399	0.02	*	*	*
Digeluna Tijo	22,181	*	*	-	*	*	*
Tiyo	15,978	*	*	-	*	*	*
Munesa	35,171	*	*	-	*	*	*
Bekoji	35,995	*	*	-	*	*	*
Gedeb	24,847	*	*	-	*	*	*
Kofele	42,028	*	*	-	*	*	*
West Harerge Zone	291,356	4,256	4,972	0.02	56,976	10.36	5
Mieso	16,400	*	*	-	*	*	*
Doba	22,768	*	*	-	*	*	*
Tulo	24,329	*	*	-	*	*	*
Mesela	25,840	*	*	-	*	*	*
Chiro	62,368	366	366	0.01	4,459	12.18	*
Goba Koricha	20,014	*	*	-	*	*	*
Anchar	13,430	420	420	0.03	9,146	21.78	7
Habro	30,386	211	211	0.01	4,107	19.46	9
Darolebu	26,978	201	201	0.01	*	*	*
Boke	22,144	*	*	-	*	*	*
Kuni	26,701	*	*	-	*	*	*
East Harerge Zone	387,193	7,538	8,482	0.02	28,435	2.86	4
Kombolcha	20,710	85	85	0.00	*	*	2
Jarso	17,052	2,373	3,085	0.18	14,603	3.50	4
Gursum	25,567	*	*	-	*	*	*
Babile	10,237	181	241	0.02	1,465	4.82	3
Fedis	24,565	-	-	-	-	-	-
Haro Maya	31,404	*	*	-	*	*	*
Kurfa Chele	7,122	*	*	-	*	*	*
Kersa	27,745	*	*	-	*	*	*

TABLE 8.5A: - Number of Holders Reporting 'Mekeskesha' Owned, Quantity Reported, Replacement Value,and Duration of Service of 'Mekeskesha', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Mekeskeshas' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Mekeskesha' (Birr)	Average Duration of Service of 'Mekeskesha' (Years)
East Harerge Zone							
Meta	43,775	*	*	-	*	*	*
Goro Gutu	25,718	*	*	-	*	*	*
Deder	38,265	*	*	-	*	*	*
Malka Balo	24,930	*	*	-	*	*	*
Bedeno	43,356	*	*	-	*	*	*
Girawa	38,886	-	-	-	-	-	-
Gola Oda	7,861	*	*	-	*	*	*
Bale Zone	259,058	8,660	9,871	0.04	79,671	7.34	8
Kokosa	23,375	*	*	-	*	*	*
Dodola	23,650	*	*	-	*	*	*
Adaba	19,856	*	*	-	*	*	*
Agarfa	13,146	479	542	0.04	5,932	9.88	11
Gasera	12,088	50	50	0.00	909	18.18	*
Gololcha	14,914	285	340	0.02	3,073	7.41	15
Legehida	8,094	-	-	-	-	-	-
Ginir	21,653	*	*	-	*	*	*
Sinanana Dinsho	24,988	1,292	1,344	0.05	10,145	7.29	11
Goba	7,183	357	367	0.05	3,513	9.49	8
Mennana Arena Buluk	19,198	416	463	0.02	*	*	*
Nensebo	14,169	*	*	-	3,027	*	*
Meda Welabu	12,557	3,597	3,993	0.32	41,456	9.33	6
Berbere	10,213	67	67	0.01	*	*	*
Guradamole	4,160	-	-	-	-	-	-
Goro	15,934	*	*	-	*	*	*
Raytu	6,168	*	*	-	*	*	*
Seweyna	7,711	-	-	-	-	-	-
Borena Zone	283,104	5,523	8,721	0.03	55,511	5.63	5
Uraga	42,623	*	*	-	*	*	*
Bore	30,433	*	*	-	*	*	*
Adolana Wadera	22,616	203	*	-	*	*	*
Odo Shakiso	14,015	339	339	0.02	2,130	6.28	5
Hager Mariam	86,116	*	*	-	*	*	*
Yabelo	10,081	207	270	0.03	*	*	6
Arero	3,331	64	97	0.03	429	2.87	3
Liben	14,844	*	*	-	*	*	*
Moyale	10,736	*	*	-	*	*	*
Dire	13,719	152	199	0.01	960	3.64	*
Teltele	7,361	138	138	0.02	531	3.85	3
Gelana Abaya	27,229	539	650	0.02	11,469	14.76	*

TABLE 8.6A: - Number of Holders Reporting Pick-Axe Owned, Quantity Reported, Replacement Value, and Duration of Service of Pick-Axe, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Pick-Axes Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Pick-Axe (Birr)	Average Duration of Service of Pick-Axe (Years)
Oromia Region	3,981,704	726,698	1,014,770	0.25	8,316,289	6.37	8
West Welega Zone	313,923	37,096	55,925	0.18	550,499	6.55	7
Mana Sibu	27,022	6,772	12,342	0.46	104,334	4.58	5
Nejo	17,916	907	1,120	0.06	6,938	5.39	7
Gimbi	17,096	3,194	4,699	0.27	63,290	8.96	7
Lalo Asabi	10,906	1,147	1,831	0.17	36,252	11.88	5
Boji	15,188	2,202	4,274	0.28	34,091	4.20	5
Ayra Guliso	16,371	*	*	-	*	*	*
Jarso	16,190	1,298	1,338	0.08	10,951	8.07	9
Gidami	13,636	*	*	-	*	*	*
Jimma Horo	6,869	1,214	1,687	0.25	12,797	5.29	7
Hawa Welel	17,315	2,198	2,832	0.16	22,293	6.48	9
Gawo Dale	23,820	4,004	4,723	0.20	39,810	7.39	7
Dale Sadi	11,117	1,351	1,710	0.15	11,826	5.64	9
Yubdo	5,640	383	546	0.10	5,394	7.63	8
Ganji	9,611	1,889	3,100	0.32	43,923	9.02	5
Haru	11,508	1,573	2,199	0.19	25,610	7.90	8
Nole Kaba	23,388	2,887	4,455	0.19	55,174	7.89	7
Lalo Kilie	7,900	141	169	0.02	1,238	7.01	9
Sayo	19,844	1,266	1,682	0.08	10,352	4.70	6
Anfilo	11,848	381	624	0.05	4,856	7.34	8
Begi	30,734	2,991	4,632	0.15	41,384	5.83	6
East Welega Zone	260,893	37,736	52,020	0.20	403,332	5.85	7
Limu	20,690	6,030	8,641	0.42	52,675	4.28	7
Ibantu	5,087	741	1,074	0.21	5,964	3.98	4
Gida Kiremu	22,168	8,209	12,454	0.56	74,437	4.06	6
Jarte	7,363	693	949	0.13	10,171	8.39	6
Amuru	7,739	761	1,264	0.16	8,981	4.72	7
Abe Dongoro	9,470	2,633	3,176	0.34	36,992	9.63	11
Jimma Horo	24,023	1,211	1,269	0.05	16,064	12.19	11
Abay Chomen	4,715	523	562	0.12	6,753	11.27	8
Guduru	21,520	974	1,206	0.06	11,196	8.15	9
Jimma Rare	7,738	300	323	0.04	2,712	7.93	9
Bila Seyo	13,470	1,166	1,760	0.13	8,577	3.90	8
Sibu Sire	15,203	2,048	2,861	0.19	14,094	3.99	7
Guto Wayu	28,487	4,241	*	-	*	*	6
Sasiga	11,346	1,102	1,331	0.12	9,557	6.00	7
Leka Dulecha	10,555	948	*	-	8,935	*	9
Diga	11,868	1,403	1,565	0.13	9,211	5.35	8
Jimma Arjo	13,333	1,239	1,455	0.11	10,752	6.59	8
Nunu Kumba	10,438	1,116	1,290	0.12	5,689	4.13	6
Wama Bonaya	15,680	2,395	3,055	0.19	33,729	9.42	8
Illibabor Zone	195,287	12,295	16,830	0.09	120,808	5.57	9
Darimu	22,324	1,379	*	-	*	*	10
Supena Sodo	13,139	209	241	0.02	1,991	7.77	9
Chora	19,554	*	*	-	*	*	*
Dega	10,191	277	289	0.03	2,279	7.67	8
Bedele	20,513	2,651	4,541	0.22	33,811	4.68	8
Gechi	10,893	785	1,239	0.11	5,211	3.34	7
Borecha Wereda	9,030	538	629	0.07	4,669	6.47	7
Dedesa	14,033	1,431	*	-	6,826	*	6
yayu	19,201	1,229	1,328	0.07	14,775	10.38	12
Metu	22,651	1,069	1,173	0.05	10,079	7.50	10

TABLE 8.6A: - Number of Holders Reporting Pick-Axe Owned, Quantity Reported, Replacement Value, and Duration of Service of Pick-Axe, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Pick-Axes Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Pick-Axe (Birr)	Average Duration of Service of Pick-Axe (Years)
Illibabor Zone							
Ale	17,356	750	750	0.04	5,436	7.25	12
Bure	11,992	670	699	0.06	3,701	5.34	11
Nono	4,411	174	207	0.05	1,195	5.23	9
Jimma Zone	443,315	48,385	60,280	0.14	637,246	9.18	9
Limu Seka	29,245	2,481	*	-	21,770	*	6
Limu Kosa	45,921	3,475	3,988	0.09	49,359	11.07	8
Sokoru	25,586	1,556	1,585	0.06	16,435	10.19	10
Tiro Afeta	24,135	2,528	4,063	0.17	19,364	4.11	7
Kersa	29,474	5,492	6,061	0.21	80,400	11.77	8
Mana	27,816	2,827	3,059	0.11	45,789	13.77	12
Goma	49,523	6,781	7,241	0.15	104,926	13.32	9
Gera	20,803	2,771	3,171	0.15	24,772	7.13	7
Seka chekorsa	56,422	9,461	14,961	0.27	128,711	6.18	13
Dedo	54,035	5,009	5,070	0.09	71,938	13.83	9
Omonada	45,972	2,725	*	-	42,718	*	8
Sigmo	16,132	2,794	2,923	0.18	26,805	8.75	6
Setema	18,249	485	485	0.03	4,260	8.78	8
West Shewa Zone	502,591	100,018	131,396	0.26	1,185,684	7.46	10
Ginde Beret	33,630	7,235	11,133	0.33	73,830	4.61	7
Jeldu	33,701	6,691	8,312	0.25	76,464	7.81	8
Ambo	40,122	6,567	7,214	0.18	62,614	8.13	14
Cheliya	37,011	3,122	3,693	0.10	30,408	7.36	9
Bako Tibe	19,389	1,007	1,208	0.06	7,967	6.02	6
Dano	15,544	2,142	2,501	0.16	15,427	5.80	9
Nono	23,140	3,383	4,213	0.18	33,748	7.08	8
Tikur	12,596	544	561	0.04	8,533	14.57	8
Amaya	21,943	2,346	3,114	0.14	24,220	6.94	10
Wonchi	17,405	3,015	3,527	0.20	33,524	8.57	7
Dendi	37,106	9,876	13,034	0.35	131,814	8.25	15
Ejerie	15,219	4,314	4,966	0.33	57,259	9.92	12
Adda Berga	19,302	7,608	12,910	0.67	69,947	3.52	7
Walmara	17,073	7,357	9,131	0.53	96,396	8.52	11
Alem Gana	20,607	8,438	10,838	0.53	169,353	12.35	11
Kersana Kondaltiti	22,051	4,532	5,349	0.24	51,737	8.43	9
Tole	10,401	1,785	1,973	0.19	27,292	12.82	10
Elu	10,354	1,255	1,282	0.12	17,952	13.71	17
Dawo	13,068	2,047	2,946	0.23	23,532	6.70	10
Walisona Goro	35,633	5,050	5,525	0.16	58,133	9.66	8
Becho	11,294	1,448	1,475	0.13	21,240	14.27	14
Kokir	12,362	1,108	1,273	0.10	8,695	6.42	7
Meta Robi	23,639	9,149	15,217	0.64	85,601	4.08	9
North Shewa(Oromia) Zone	237,011	95,859	135,371	0.57	903,878	5.37	9
Wara Jarso	25,009	9,285	19,625	0.78	70,850	1.68	4
Dera	35,035	16,333	23,007	0.66	81,242	2.67	5
Hidabu Abote	15,884	4,127	6,849	0.43	28,584	2.64	6
Kuyu	20,090	6,047	12,556	0.62	39,310	1.50	5
Degem	17,936	8,632	13,059	0.73	65,222	3.40	6
Gerar Jarso	13,163	8,562	11,698	0.89	85,230	5.39	7
Yaya Gulelena Debre Libano	16,566	5,624	8,178	0.49	41,678	3.84	8
Wuchalena Jido	22,017	8,072	8,980	0.41	95,945	10.09	10
Abichuna Gna'a	11,868	3,975	4,237	0.36	28,149	6.18	11
Kembibit	10,860	3,493	3,624	0.33	42,811	11.37	12
Berehna Aleltu	24,774	11,225	12,480	0.50	165,523	11.96	14
Mulona Sululta	23,810	10,484	11,077	0.47	159,334	13.53	16

TABLE 8.6A: - Number of Holders Reporting Pick-Axe Owned, Quantity Reported, Replacement Value, and Duration of Service of Pick-Axe, for Private Holdings.(Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Pick-Axes Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Pick-Axe (Birr)	Average Duration of Service of Pick-Axe (Years)
East Shewa Zone	314,966	58,064	74,502	0.24	822,324	9.12	9
Fentale	6,677	*	*	-	*	*	*
Boset	24,837	3,340	4,697	0.19	34,176	6.13	11
Adama	26,906	7,726	9,247	0.34	118,011	11.03	8
Lome	14,564	6,670	7,934	0.54	118,701	12.70	11
Gimbichu	15,569	7,951	10,627	0.68	113,085	8.34	11
Ada'a Liben Chukala	40,176	10,947	13,250	0.33	199,357	12.39	9
Dugda Bora	28,844	1,605	1,805	0.06	17,418	8.57	11
Adami Tullu Jido Kombolcha	23,794	1,433	1,765	0.07	11,000	5.10	8
Arsi Negele	26,584	2,612	4,086	0.15	24,466	4.49	5
Shashemene	46,108	2,619	3,218	0.07	31,721	8.76	5
Seraro	48,209	6,362	9,610	0.20	45,537	3.49	4
Akaki	12,696	5,953	6,700	0.53	89,740	11.90	10
Arsi Zone	493,007	157,861	251,487	0.51	1,623,259	4.54	9
Merti	22,750	6,773	14,397	0.63	149,295	5.56	10
Aseko	14,396	3,481	3,960	0.28	34,746	7.97	9
Gololcha	29,178	2,125	2,419	0.08	37,390	12.92	9
Jeju	22,217	7,690	8,679	0.39	105,059	11.10	9
Dodotana Sire	22,887	10,623	20,599	0.90	84,655	2.18	9
Zeway Dugda	21,200	1,975	2,403	0.11	18,496	6.97	12
Hitosa	39,229	22,051	38,701	0.99	216,071	3.67	9
Sude	25,501	7,001	10,224	0.40	63,234	4.39	6
Chole	15,918	8,899	14,860	0.93	92,454	4.51	6
Amigna	11,176	1,663	2,249	0.20	19,267	5.84	10
Seru	18,205	3,771	4,729	0.26	45,023	7.97	8
Robe	27,062	8,358	13,552	0.50	57,104	2.77	9
Tena	20,684	11,902	22,584	1.09	81,955	1.93	7
Sherka	26,405	12,131	25,109	0.95	97,816	2.01	11
Digeluna Tijo	22,181	7,717	9,291	0.42	73,367	6.56	11
Tiyo	15,978	7,506	10,783	0.67	102,230	6.83	10
Munesa	35,171	13,054	18,535	0.53	146,393	6.15	11
Bekoji	35,995	12,053	17,078	0.47	124,488	5.37	12
Gedeb	24,847	2,303	2,552	0.10	31,192	10.92	12
Kofele	42,028	6,785	8,784	0.21	43,025	4.02	7
West Harerge Zone	291,356	9,703	11,319	0.04	148,203	11.25	7
Mieso	16,400	660	879	0.05	15,848	12.97	9
Doba	22,768	141	227	0.01	3,218	9.93	14
Tulo	24,329	*	232	0.01	*	9.82	*
Mesela	25,840	*	*	-	*	*	*
Chiro	62,368	765	765	0.01	12,057	15.76	8
Goba Koricha	20,014	1,513	1,810	0.09	21,153	10.00	6
Anchar	13,430	2,654	3,258	0.24	32,621	8.23	8
Habro	30,386	994	1,151	0.04	14,986	10.70	6
Darolebu	26,978	1,023	1,136	0.04	17,399	13.44	6
Boke	22,144	341	341	0.02	4,862	14.26	9
Kuni	26,701	260	292	0.01	4,597	15.74	8
East Harerge Zone	387,193	9,082	9,942	0.03	97,840	9.19	6
Kombolcha	20,710	209	250	0.01	3,468	13.04	5
Jarso	17,052	2,502	2,922	0.17	29,438	8.62	4
Gursum	25,567	608	608	0.02	5,508	9.03	5
Babile	10,237	127	127	0.01	1,827	14.38	*
Fedis	24,565	*	*	-	*	*	*
Haro Maya	31,404	920	963	0.03	8,453	8.34	5
Kurfa Chele	7,122	*	*	-	*	*	*
Kersa	27,745	284	284	0.01	2,153	7.58	10

TABLE 8.6A: - Number of Holders Reporting Pick-Axe Owned, Quantity Reported, Replacement Value, and Duration of Service of Pick-Axe, for Private Holdings.(Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Pick-Axes Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Pick-Axe (Birr)	Average Duration of Service of Pick-Axe (Years)
East Harerge Zone							
Meta	43,775	327	*	-	*	*	*
Goro Gutu	25,718	*	*	-	3,955	*	*
Deder	38,265	357	*	-	*	*	5
Malka Balo	24,930	*	*	-	*	*	*
Bedeno	43,356	*	*	-	*	*	*
Girawa	38,886	226	226	0.01	*	*	*
Gola Oda	7,861	*	*	-	*	*	*
Bale Zone	259,058	44,784	61,644	0.24	374,584	4.73	9
Kokosa	23,375	*	*	-	12,268	*	*
Dodola	23,650	1,056	1,321	0.06	10,735	7.14	10
Adaba	19,856	2,191	3,020	0.15	23,108	6.12	13
Agarfa	13,146	6,990	10,886	0.83	52,724	3.26	9
Gasera	12,088	4,197	6,215	0.51	53,462	5.80	7
Gololcha	14,914	3,699	5,271	0.35	26,360	3.38	11
Legehida	8,094	353	672	0.08	3,144	3.00	6
Ginir	21,653	5,001	7,104	0.33	33,771	3.62	11
Sinanana Dinsho	24,988	8,794	12,947	0.52	50,290	2.88	10
Goba	7,183	2,291	2,826	0.39	19,889	5.75	11
Mennana Arena Buluk	19,198	1,478	1,532	0.08	16,044	10.22	9
Nensebo	14,169	659	714	0.05	8,416	10.91	10
Meda Welabu	12,557	1,146	1,163	0.09	10,941	9.26	6
Berbere	10,213	759	804	0.08	8,291	9.99	7
Guradamole	4,160	137	144	0.03	1,060	7.03	8
Goro	15,934	2,784	3,345	0.21	25,024	6.56	10
Raytu	6,168	893	940	0.15	12,826	12.96	8
Seweyna	7,711	536	570	0.07	6,233	10.25	8
Borena Zone	283,104	115,814	154,054	0.54	1,448,632	7.19	6
Uraga	42,623	19,703	26,225	0.62	272,257	7.78	7
Bore	30,433	14,973	20,313	0.67	219,874	8.32	6
Adolana Wadera	22,616	10,082	13,308	0.59	201,514	12.06	5
Odo Shakiso	14,015	4,761	5,739	0.41	64,490	9.57	8
Hager Mariam	86,116	32,345	42,126	0.49	250,670	4.66	6
Yabelo	10,081	2,654	2,878	0.29	36,612	11.91	7
Arero	3,331	1,214	1,352	0.41	16,335	10.90	5
Liben	14,844	2,865	3,108	0.21	36,149	10.50	6
Moyale	10,736	2,816	3,345	0.31	44,544	11.06	5
Dire	13,719	5,771	7,257	0.53	46,212	5.21	7
Teltele	7,361	1,061	1,134	0.15	7,751	6.37	6
Gelana Abaya	27,229	17,569	27,270	1.00	252,224	5.84	6

TABLE 8.7A: - Number of Holders Reporting 'Deger' Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Deger', for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Degers' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Deger' (Birr)	Average Duration of Service of 'Deger' (Years)
Oromia Region	3,981,704	2,573,190	4,400,328	1.11	11,040,065	1.56	2
West Welega Zone	313,923	199,324	305,765	0.97	583,405	1.34	2
Mana Sibu	27,022	19,748	32,354	1.20	48,629	1.05	2
Nejo	17,916	12,651	22,574	1.26	31,363	0.81	1
Gimbi	17,096	10,201	14,510	0.85	25,037	1.27	2
Lalo Asabi	10,906	6,862	9,479	0.87	19,807	1.65	2
Boji	15,188	10,053	16,775	1.10	24,492	1.01	2
Ayra Guliso	16,371	11,346	15,110	0.92	30,059	1.57	2
Jarso	16,190	13,122	22,559	1.39	37,394	1.03	2
Gidami	13,636	8,127	10,342	0.76	33,502	2.57	2
Jimma Horo	6,869	5,173	8,779	1.28	16,442	1.21	2
Hawa Welel	17,315	10,310	16,114	0.93	36,832	1.45	2
Gawo Dale	23,820	16,349	27,540	1.16	54,299	1.34	2
Dale Sadi	11,117	7,551	11,948	1.07	19,178	1.09	2
Yubdo	5,640	4,072	6,910	1.23	12,275	1.15	2
Ganji	9,611	5,980	8,154	0.85	17,613	1.59	2
Haru	11,508	6,619	9,735	0.85	19,101	1.36	2
Nole Kaba	23,388	14,855	24,390	1.04	38,006	0.99	2
Lalo Kilie	7,900	5,659	7,468	0.95	14,517	1.48	2
Sayo	19,844	9,763	13,447	0.68	38,361	2.18	2
Anfilo	11,848	3,302	4,472	0.38	14,507	2.50	2
Begi	30,734	17,581	23,105	0.75	51,991	1.71	2
East Welega Zone	260,893	188,846	362,164	1.39	599,932	0.93	2
Limu	20,690	12,414	21,735	1.05	34,351	0.95	1
Ibantu	5,087	4,051	7,375	1.45	9,244	0.76	1
Gida Kiremu	22,168	15,395	32,544	1.47	47,238	0.74	1
Jarte	7,363	6,114	13,909	1.89	21,102	0.69	1
Amuru	7,739	6,076	13,776	1.78	20,088	0.66	2
Abe Dongoro	9,470	5,342	8,309	0.88	13,862	1.15	2
Jimma Horo	24,023	19,084	43,045	1.79	73,195	0.88	2
Abay Chomen	4,715	3,770	8,533	1.81	15,571	0.81	1
Guduru	21,520	16,068	39,328	1.83	61,218	0.77	1
Jimma Rare	7,738	6,000	12,404	1.60	31,811	1.34	2
Bila Seyo	13,470	9,594	13,965	1.04	28,920	1.38	1
Sibu Sire	15,203	11,290	20,331	1.34	37,185	1.15	2
Guto Wayu	28,487	19,997	32,754	1.15	59,104	1.09	2
Sasiga	11,346	7,160	11,120	0.98	22,634	1.27	2
Leka Dulecha	10,555	7,838	11,962	1.13	16,316	0.94	2
Diga	11,868	7,732	15,126	1.27	24,044	0.83	2
Jimma Arjo	13,333	9,732	14,187	1.06	23,282	1.14	2
Nunu Kumba	10,438	8,396	19,369	1.86	24,655	0.60	1
Wama Bonaya	15,680	12,791	22,393	1.43	36,113	0.98	1
Illibabor Zone	195,287	134,248	176,482	0.90	418,817	1.83	2
Darimu	22,324	13,921	22,034	0.99	38,980	1.15	3
Supena Sodo	13,139	8,726	11,401	0.87	18,313	1.24	2
Chora	19,554	13,242	16,551	0.85	48,848	2.34	3
Dega	10,191	7,893	11,543	1.13	22,849	1.44	2
Bedele	20,513	15,221	20,120	0.98	48,177	1.89	2
Gechi	10,893	8,230	10,178	0.93	27,374	2.23	2
Borecha Wereda	9,030	6,746	8,250	0.91	23,507	2.31	2
Dedesa	14,033	10,284	13,412	0.96	37,184	2.10	2
yayu	19,201	12,474	15,532	0.81	44,787	2.27	3
Metu	22,651	13,199	17,602	0.78	44,851	1.88	3

TABLE 8.7A: - Number of Holders Reporting 'Deger' Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Deger', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Degers' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Deger' (Birr)	Average Duration of Service of 'Deger' (Years)
Illibabor Zone							
Ale	17,356	12,860	15,201	0.88	34,989	1.92	3
Bure	11,992	8,280	11,102	0.93	20,622	1.39	3
Nono	4,411	3,171	3,557	0.81	8,336	2.06	3
Jimma Zone	443,315	327,071	440,484	0.99	1,070,133	1.89	2
Limu Seka	29,245	24,380	35,266	1.21	66,696	1.42	1
Limu Kosa	45,921	35,779	52,649	1.15	106,710	1.50	2
Sokoru	25,586	19,528	28,103	1.10	54,054	1.40	2
Tiro Afeta	24,135	19,757	34,363	1.42	47,507	0.88	1
Kersa	29,474	25,818	32,248	1.09	100,995	2.50	2
Mana	27,816	15,838	17,413	0.63	54,299	2.85	2
Goma	49,523	26,683	32,607	0.66	110,872	2.86	2
Gera	20,803	16,853	21,269	1.02	70,314	2.73	2
Seka chekorsa	56,422	38,100	50,556	0.90	126,781	1.95	2
Dedo	54,035	42,951	54,580	1.01	115,919	1.61	2
Omonada	45,972	38,058	52,459	1.14	143,789	1.97	2
Sigmo	16,132	11,381	14,904	0.92	39,201	2.23	2
Setema	18,249	11,946	14,068	0.77	32,995	2.03	1
West Shewa Zone	502,591	366,002	723,338	1.44	1,463,880	1.09	2
Ginde Beret	33,630	25,061	54,879	1.63	87,612	0.77	1
Jeldu	33,701	24,576	46,616	1.38	73,849	0.89	1
Ambo	40,122	28,730	58,919	1.47	108,093	0.91	2
Cheliya	37,011	27,989	57,082	1.54	85,672	0.81	1
Bako Tibe	19,389	14,223	31,053	1.60	44,678	0.72	2
Dano	15,544	12,565	27,409	1.76	32,434	0.57	1
Nono	23,140	18,863	32,734	1.41	63,644	1.14	1
Tikur	12,596	7,672	13,013	1.03	21,326	1.09	2
Amaya	21,943	16,988	31,776	1.45	64,188	1.08	1
Wonchi	17,405	9,010	13,807	0.79	26,934	1.39	2
Dendi	37,106	26,142	41,887	1.13	81,028	1.26	1
Ejerie	15,219	11,437	25,158	1.65	46,641	0.88	1
Adda Berga	19,302	15,054	36,451	1.89	69,186	0.84	1
Walmara	17,073	12,800	27,869	1.63	68,374	1.16	2
Alem Gana	20,607	14,730	31,022	1.51	131,903	2.14	2
Kersana Kondaltiti	22,051	18,157	27,726	1.26	98,017	2.44	2
Tole	10,401	8,610	17,893	1.72	53,646	1.55	2
Elu	10,354	7,715	17,908	1.73	47,910	1.21	1
Dawo	13,068	10,620	21,650	1.66	52,930	1.26	2
Walisona Goro	35,633	20,771	33,917	0.95	74,949	1.43	2
Becho	11,294	9,058	18,425	1.63	45,312	1.28	2
Kokir	12,362	8,496	19,938	1.61	38,815	0.84	2
Meta Robi	23,639	16,738	36,205	1.53	46,739	0.64	1
North Shewa(Oromia) Zone	237,011	187,334	405,736	1.71	930,731	1.10	1
Wara Jarso	25,009	19,448	52,100	2.08	114,236	0.85	2
Dera	35,035	24,576	43,405	1.24	88,412	1.14	1
Hidabu Abote	15,884	11,621	24,068	1.52	49,389	1.03	1
Kuyu	20,090	15,227	31,158	1.55	59,043	0.98	1
Degem	17,936	13,310	25,044	1.40	56,357	1.26	1
Gerar Jarso	13,163	11,630	26,833	2.04	54,505	0.97	1
Yaya Gulelena Debre Libano	16,566	13,635	28,846	1.74	72,333	1.22	2
Wuchalena Jido	22,017	18,504	40,917	1.86	94,316	1.13	1
Abichuna Gna'a	11,868	9,902	16,464	1.39	34,886	1.30	1
Kembibit	10,860	8,475	15,592	1.44	37,537	1.35	1
Berehna Aleltu	24,774	20,166	45,832	1.85	137,806	1.38	1
Mulona Sululta	23,810	20,841	55,477	2.33	131,913	0.96	1

TABLE 8.7A: - Number of Holders Reporting 'Deger' Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Deger', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Degers' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Deger' (Birr)	Average Duration of Service of 'Deger' (Years)
East Shewa Zone	314,966	231,462	423,458	1.34	1,522,523	2.03	2
Fentale	6,677	4,403	5,735	0.86	35,469	4.61	2
Boset	24,837	18,304	31,681	1.28	144,292	2.67	1
Adama	26,906	18,988	36,178	1.34	194,083	3.11	1
Lome	14,564	11,164	26,481	1.82	107,542	1.75	1
Gimbichu	15,569	12,900	26,374	1.69	94,163	1.83	2
Ada'a Liben Chukala	40,176	29,705	75,334	1.88	281,516	1.53	2
Dugda Bora	28,844	23,400	40,688	1.41	89,893	1.35	1
Adami Tullu Jido Kombolcha	23,794	16,932	27,741	1.17	65,604	1.44	1
Arsi Negele	26,584	19,472	27,847	1.05	89,497	2.37	2
Shashemene	46,108	29,514	48,240	1.05	169,890	2.27	2
Seraro	48,209	36,755	55,647	1.15	149,474	1.91	2
Akaki	12,696	9,926	21,511	1.69	101,100	2.33	2
Arsi Zone	493,007	377,086	645,024	1.31	1,660,749	1.59	2
Merti	22,750	17,298	32,416	1.42	78,641	1.46	1
Aseko	14,396	10,757	16,373	1.14	37,885	1.58	1
Gololcha	29,178	19,920	31,734	1.09	71,414	1.62	1
Jeju	22,217	16,843	26,002	1.17	85,995	2.25	1
Dodotana Sire	22,887	16,599	31,203	1.36	114,384	2.11	2
Zeway Dugda	21,200	16,426	22,935	1.08	72,011	2.22	2
Hitosa	39,229	30,566	49,873	1.27	178,132	2.31	2
Sude	25,501	20,514	28,148	1.10	76,595	2.02	1
Chole	15,918	12,617	21,888	1.38	53,476	1.48	1
Amigna	11,176	9,407	16,779	1.50	42,678	1.64	1
Seru	18,205	15,366	26,379	1.45	70,927	1.69	1
Robe	27,062	22,181	32,851	1.21	99,954	2.03	1
Tena	20,684	15,952	25,560	1.24	62,279	1.58	2
Sherka	26,405	21,406	36,004	1.36	95,877	1.62	2
Digeluna Tijo	22,181	17,269	30,935	1.39	70,878	1.35	2
Tiyo	15,978	11,888	29,141	1.82	78,920	1.17	2
Munesa	35,171	26,859	42,336	1.20	105,524	1.58	2
Bekoji	35,995	28,456	57,787	1.61	89,902	0.82	2
Gedeb	24,847	20,356	51,529	2.07	95,092	0.76	2
Kofele	42,028	26,405	35,153	0.84	80,187	1.60	2
West Harerge Zone	291,356	175,165	265,053	0.91	1,086,361	2.83	2
Mieso	16,400	13,400	25,158	1.53	93,195	2.18	1
Doba	22,768	16,874	31,691	1.39	106,427	1.89	2
Tulo	24,329	12,514	15,559	0.64	60,672	3.27	2
Mesela	25,840	7,465	10,813	0.42	39,094	2.70	2
Chiro	62,368	30,584	37,363	0.60	154,703	3.40	2
Goba Koricha	20,014	16,003	28,204	1.41	101,621	2.12	1
Anchar	13,430	10,858	15,218	1.13	44,548	2.19	1
Habro	30,386	16,847	28,691	0.94	155,492	3.33	2
Darolebu	26,978	21,035	32,177	1.19	108,712	2.38	2
Boke	22,144	13,619	19,221	0.87	84,990	3.15	2
Kuni	26,701	15,967	20,958	0.78	136,907	4.91	2
East Harerge Zone	387,193	117,656	203,706	0.53	564,057	1.75	2
Kombolcha	20,710	1,723	2,224	0.11	13,810	4.97	3
Jarso	17,052	4,679	7,986	0.47	20,989	1.64	2
Gursum	25,567	12,046	19,635	0.77	40,940	1.30	1
Babile	10,237	7,338	28,503	2.78	61,552	0.67	1
Fedis	24,565	13,279	23,583	0.96	80,513	2.06	3
Haro Maya	31,404	2,515	4,570	0.15	26,663	3.32	4
Kurfa Chele	7,122	2,032	2,606	0.37	7,119	2.21	2
Kersa	27,745	7,896	10,345	0.37	41,269	3.16	3

TABLE 8.7A: - Number of Holders Reporting 'Deger' Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Deger', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Degers' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Deger' (Birr)	Average Duration of Service of 'Deger' (Years)
East Harerge Zone							
Meta	43,775	15,168	24,682	0.56	57,991	1.57	2
Goro Gutu	25,718	11,105	16,084	0.63	53,138	2.54	2
Deder	38,265	13,252	19,277	0.50	39,055	1.48	2
Malka Balo	24,930	6,281	8,857	0.36	29,921	2.45	2
Bedeno	43,356	9,732	17,047	0.39	46,259	1.71	3
Girawa	38,886	4,720	6,167	0.16	17,806	2.13	4
Gola Oda	7,861	5,888	12,140	1.54	27,035	1.09	2
Bale Zone	259,058	172,432	277,356	1.07	717,984	1.64	2
Kokosa	23,375	1,091	1,819	0.08	5,868	1.81	2
Dodola	23,650	15,161	27,474	1.16	45,747	0.98	2
Adaba	19,856	15,074	23,589	1.19	37,423	1.01	2
Agarfa	13,146	10,939	19,068	1.45	44,491	1.39	2
Gasera	12,088	8,979	14,864	1.23	51,540	2.21	2
Gololcha	14,914	12,083	27,646	1.85	73,027	1.13	2
Legehida	8,094	6,779	7,706	0.95	18,354	2.04	2
Ginir	21,653	17,577	33,195	1.53	130,220	2.28	3
Sinanana Dinsho	24,988	20,952	34,645	1.39	84,861	1.51	2
Goba	7,183	5,972	7,962	1.11	18,354	1.73	2
Mennana Arena Buluk	19,198	12,007	14,108	0.73	33,169	2.03	2
Nensebo	14,169	1,425	2,377	0.17	5,461	1.40	2
Meda Welabu	12,557	9,704	11,292	0.90	29,533	2.22	2
Berbere	10,213	7,319	9,239	0.90	21,829	1.97	2
Guradamole	4,160	3,588	7,078	1.70	13,058	1.01	2
Goro	15,934	14,313	21,564	1.35	74,251	2.25	2
Raytu	6,168	3,859	6,534	1.06	11,944	1.14	2
Seweyna	7,711	5,610	7,196	0.93	18,852	2.11	2
Borena Zone	283,104	96,565	171,761	0.61	421,496	1.61	2
Uraga	42,623	7,016	10,599	0.25	33,410	2.13	2
Bore	30,433	14,703	22,264	0.73	55,097	1.76	3
Adolana Wadera	22,616	14,942	19,757	0.87	53,628	2.15	2
Odo Shakiso	14,015	3,793	4,583	0.33	21,686	3.90	3
Hager Mariam	86,116	11,922	26,256	0.30	47,792	1.06	2
Yabelo	10,081	6,177	13,813	1.37	36,588	1.36	2
Arero	3,331	1,669	3,326	1.00	8,323	1.46	2
Liben	14,844	9,715	13,396	0.90	51,956	2.86	2
Moyale	10,736	6,288	14,275	1.33	43,116	1.50	2
Dire	13,719	9,677	23,262	1.70	28,277	0.71	2
Teltele	7,361	5,402	12,331	1.68	14,167	0.53	2
Gelana Abaya	27,229	5,262	7,900	0.29	27,456	2.56	4

TABLE 8.8A: - Number of Holders Reporting 'Erfe' Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Erfe', for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Erfes' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Erfe' (Birr)	Average Duration of Service of 'Erfe' (Years)
Oromia Region	3,981,704	2,534,338	3,596,052	0.90	5,971,842	1.18	1
West Welega Zone	313,923	194,747	249,872	0.80	261,323	0.87	1
Mana Sibu	27,022	19,424	24,359	0.90	18,343	0.62	1
Nejo	17,916	12,272	16,104	0.90	12,379	0.57	1
Gimbi	17,096	10,160	11,339	0.66	18,940	1.43	1
Lalo Asabi	10,906	6,633	7,457	0.68	6,800	0.80	1
Boji	15,188	9,671	12,365	0.81	11,453	0.59	1
Ayra Guliso	16,371	11,096	13,756	0.84	13,901	0.82	1
Jarso	16,190	13,055	18,426	1.14	14,897	*	1
Gidami	13,636	8,074	9,908	0.73	13,777	1.15	1
Jimma Horo	6,869	4,761	6,320	0.92	5,623	0.68	1
Hawa Welel	17,315	10,116	13,930	0.80	16,613	0.86	1
Gawo Dale	23,820	15,789	21,601	0.91	27,872	1.03	1
Dale Sadi	11,117	7,487	9,660	0.87	7,878	0.63	1
Yubdo	5,640	4,023	5,058	0.90	5,997	0.94	1
Ganji	9,611	5,930	7,453	0.78	7,531	0.78	1
Haru	11,508	6,487	7,798	0.68	8,894	0.92	1
Nole Kaba	23,388	14,877	20,609	0.88	16,215	0.57	1
Lalo Kilie	7,900	5,496	7,327	0.93	6,518	0.65	1
Sayo	19,844	9,479	11,569	0.58	18,065	1.31	1
Anfilo	11,848	3,079	4,040	0.34	4,025	0.78	1
Begi	30,734	16,837	20,793	0.68	25,606	1.02	1
East Welega Zone	260,893	186,246	276,976	1.06	303,977	0.75	1
Limu	20,690	12,641	15,623	0.76	16,208	0.85	1
Ibantu	5,087	3,901	6,659	1.31	5,958	0.60	1
Gida Kiremu	22,168	15,201	23,842	1.08	22,313	0.61	1
Jarte	7,363	6,113	9,512	1.29	8,394	0.56	1
Amuru	7,739	5,980	9,771	1.26	8,994	0.56	1
Abe Dongoro	9,470	5,212	6,920	0.73	7,622	0.83	1
Jimma Horo	24,023	18,663	29,431	1.23	31,493	0.73	1
Abay Chomen	4,715	3,749	6,631	1.41	8,597	0.71	1
Guduru	21,520	16,082	25,187	1.17	32,286	0.77	1
Jimma Rare	7,738	6,003	9,257	1.20	15,629	1.07	1
Bila Seyo	13,470	9,557	13,931	1.03	17,046	0.83	1
Sibu Sire	15,203	11,166	15,852	1.04	24,081	1.05	1
Guto Wayu	28,487	19,190	25,401	0.89	32,245	1.02	1
Sasiga	11,346	6,621	8,438	0.74	8,061	0.73	1
Leka Dulecha	10,555	7,743	10,110	0.96	10,394	0.79	1
Diga	11,868	7,581	10,923	0.92	10,570	0.72	1
Jimma Arjo	13,333	9,648	13,389	1.00	11,902	0.63	1
Nunu Kumba	10,438	8,356	17,278	1.66	12,669	0.38	1
Wama Bonaya	15,680	12,840	18,821	1.20	19,517	0.75	1
Illibabor Zone	195,287	133,319	178,732	0.92	129,366	0.53	1
Darimu	22,324	13,634	19,118	0.86	16,027	0.56	1
Supena Sodo	13,139	8,677	11,463	0.87	6,239	0.41	1
Chora	19,554	13,290	17,656	0.90	13,433	0.56	1
Dega	10,191	7,952	11,665	1.14	6,528	0.38	1
Bedele	20,513	15,179	20,119	0.98	12,712	0.48	1
Gechi	10,893	8,279	10,072	0.92	7,520	0.63	1
Borecha Wereda	9,030	6,683	8,793	0.97	5,064	0.44	1
Dedesa	14,033	10,254	14,998	1.07	10,378	0.45	1
yayu	19,201	12,449	16,351	0.85	13,161	0.60	1
Metu	22,651	12,980	16,985	0.75	14,656	0.64	1

TABLE 8.8A: - Number of Holders Reporting 'Erfe' Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Erfe', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Erfes' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Erfe' (Birr)	Average Duration of Service of 'Erfe' (Years)
Illibabor Zone							
Ale	17,356	12,531	15,462	0.89	12,903	0.68	1
Bure	11,992	8,216	12,083	1.01	8,674	0.46	1
Nono	4,411	3,197	3,967	0.90	2,070	0.41	1
Jimma Zone	443,315	317,617	414,379	0.93	480,403	0.90	1
Limu Seka	29,245	23,922	29,502	1.01	26,434	0.70	1
Limu Kosa	45,921	35,701	44,450	0.97	64,805	1.18	2
Sokoru	25,586	19,268	25,160	0.98	28,188	0.84	1
Tiro Afeta	24,135	18,615	25,135	1.04	66,624	1.92	2
Kersa	29,474	24,642	30,294	1.03	49,005	1.34	2
Mana	27,816	15,556	17,517	0.63	20,018	1.02	2
Goma	49,523	25,280	32,556	0.66	36,140	0.91	1
Gera	20,803	16,746	22,443	1.08	19,861	0.69	1
Seka chekorsa	56,422	36,479	50,388	0.89	47,098	0.72	1
Dedo	54,035	41,276	54,887	1.02	41,426	0.57	1
Omonada	45,972	37,420	52,812	1.15	56,972	0.78	1
Sigmo	16,132	10,962	14,238	0.88	10,000	0.56	1
Setema	18,249	11,749	14,999	0.82	13,832	0.74	1
West Shewa Zone	502,591	364,204	552,762	1.10	1,127,860	1.36	1
Ginde Beret	33,630	24,982	35,262	1.05	76,402	1.57	2
Jeldu	33,701	24,393	31,282	0.93	129,110	3.42	2
Ambo	40,122	28,938	44,512	1.11	72,965	1.01	1
Cheliya	37,011	27,746	40,393	1.09	44,292	0.76	1
Bako Tibe	19,389	14,149	20,813	1.07	23,299	0.77	1
Dano	15,544	12,371	17,710	1.14	15,631	0.62	1
Nono	23,140	18,714	28,561	1.23	38,591	0.83	1
Tikur	12,596	7,561	8,964	0.71	8,958	0.84	1
Amaya	21,943	16,753	24,596	1.12	29,269	0.79	1
Wonchi	17,405	9,405	11,454	0.66	18,952	1.40	1
Dendi	37,106	26,080	38,128	1.03	78,040	1.27	1
Ejerie	15,219	11,262	19,187	1.26	50,735	1.77	2
Adda Berga	19,302	15,002	25,980	1.35	60,785	1.39	1
Walmara	17,073	12,818	21,260	1.25	37,949	1.08	1
Alem Gana	20,607	14,616	25,859	1.25	76,371	1.59	1
Kersana Kondaltiti	22,051	17,953	25,557	1.16	66,126	1.86	2
Tole	10,401	8,606	15,090	1.45	35,761	1.35	1
Elu	10,354	7,642	18,726	1.81	45,063	1.02	2
Dawo	13,068	10,621	19,110	1.46	29,883	0.88	1
Walisona Goro	35,633	20,548	27,126	0.76	42,786	1.21	2
Becho	11,294	9,057	21,148	1.87	46,714	0.92	2
Kokir	12,362	8,348	11,377	0.92	16,018	1.04	1
Meta Robi	23,639	16,640	20,670	0.87	84,160	3.37	2
North Shewa(Oromia) Zone	237,011	187,444	313,266	1.32	585,763	1.12	1
Wara Jarso	25,009	19,435	36,164	1.45	60,094	0.90	1
Dera	35,035	24,558	36,318	1.04	57,984	1.06	1
Hidabu Abote	15,884	11,657	16,237	1.02	46,538	2.08	2
Kuyu	20,090	15,167	25,345	1.26	43,120	1.06	2
Degem	17,936	13,265	17,637	0.98	42,249	1.82	2
Gerar Jarso	13,163	11,717	18,198	1.38	36,556	1.28	1
Yaya Gulelena Debre Libano	16,566	13,643	23,319	1.41	46,299	1.18	1
Wuchalena Jido	22,017	18,648	28,064	1.27	46,390	1.11	1
Abichuna Gna'a	11,868	9,845	15,755	1.33	18,750	0.75	1
Kembibit	10,860	8,544	13,776	1.27	28,715	1.26	1
Berehna Aleltu	24,774	20,223	44,289	1.79	91,389	0.91	1
Mulona Sululta	23,810	20,741	38,164	1.60	67,678	0.94	1

TABLE 8.8A: - Number of Holders Reporting 'Erfe' Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Erfe', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Erfes' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Erfe' (Birr)	Average Duration of Service of 'Erfe' (Years)
East Shewa Zone	314,966	227,724	332,492	1.06	816,066	1.63	1
Fentale	6,677	3,526	4,887	0.73	16,202	2.44	1
Boset	24,837	18,198	27,315	1.10	60,450	1.52	1
Adama	26,906	18,742	27,676	1.03	96,296	2.47	1
Lome	14,564	11,093	19,950	1.37	55,510	1.52	1
Gimbichu	15,569	12,806	26,468	1.70	60,951	1.09	1
Ada'a Liben Chukala	40,176	29,568	51,573	1.28	179,634	1.99	1
Dugda Bora	28,844	23,193	33,197	1.15	59,707	1.21	1
Adami Tullu Jido Kombolcha	23,794	16,259	19,864	0.83	31,517	1.28	1
Arsi Negele	26,584	19,096	23,736	0.89	49,057	1.66	2
Shashemene	46,108	29,194	32,506	0.70	71,688	1.99	2
Seraro	48,209	36,217	46,256	0.96	68,914	1.19	2
Akaki	12,696	9,832	19,063	1.50	66,138	1.80	2
Arsi Zone	493,007	371,964	561,403	1.14	778,479	0.92	1
Merti	22,750	17,389	28,083	1.23	51,776	1.19	1
Aseko	14,396	10,675	15,193	1.06	21,471	0.99	1
Gololcha	29,178	19,642	27,759	0.95	37,531	0.98	1
Jeju	22,217	16,699	22,567	1.02	42,396	1.36	1
Dodotana Sire	22,887	16,420	25,982	1.14	52,270	1.28	1
Zeway Dugda	21,200	16,478	22,585	1.07	40,313	1.30	1
Hitosa	39,229	30,240	48,648	1.24	70,553	0.91	1
Sude	25,501	20,390	28,153	1.10	35,725	0.89	1
Chole	15,918	12,584	18,972	1.19	23,944	0.85	1
Amigna	11,176	9,354	13,531	1.21	21,035	1.07	1
Seru	18,205	15,396	23,136	1.27	34,329	0.99	1
Robe	27,062	21,986	32,725	1.21	42,655	0.88	1
Tena	20,684	16,057	23,399	1.13	31,948	0.90	1
Sherka	26,405	21,279	31,303	1.19	36,826	0.78	1
Digeluna Tijo	22,181	17,173	30,450	1.37	38,018	0.68	1
Tiyo	15,978	11,763	20,198	1.26	26,667	0.77	1
Munesa	35,171	26,790	40,499	1.15	43,948	0.73	1
Bekoji	35,995	28,272	45,007	1.25	42,035	0.56	1
Gedeb	24,847	20,304	34,038	1.37	48,437	0.87	1
Kofele	42,028	23,072	29,175	0.69	36,603	0.99	1
West Harerge Zone	291,356	172,874	215,555	0.74	617,808	2.29	1
Mieso	16,400	13,283	16,995	1.04	63,328	3.01	1
Doba	22,768	16,571	21,339	0.94	55,556	2.04	2
Tulo	24,329	12,523	13,969	0.57	42,928	2.87	2
Mesela	25,840	7,563	8,769	0.34	21,533	2.14	2
Chiro	62,368	30,051	33,675	0.54	102,238	2.73	1
Goba Koricha	20,014	15,891	20,392	1.02	55,332	2.16	1
Anchar	13,430	10,799	12,849	0.96	24,965	1.65	1
Habro	30,386	17,036	28,325	0.93	89,377	1.63	1
Darolebu	26,978	20,607	23,716	0.88	51,809	1.89	1
Boke	22,144	12,715	14,626	0.66	43,083	2.71	2
Kuni	26,701	15,835	20,899	0.78	67,658	2.54	2
East Harerge Zone	387,193	114,105	126,972	0.33	285,132	2.04	2
Kombolcha	20,710	1,479	1,534	0.07	7,739	4.77	2
Jarso	17,052	4,425	5,319	0.31	12,739	2.04	2
Gursum	25,567	13,107	14,173	0.55	33,187	2.14	2
Babile	10,237	7,475	9,168	0.90	28,968	2.69	2
Fedis	24,565	12,845	14,408	0.59	40,302	2.56	2
Haro Maya	31,404	2,172	2,397	0.08	5,730	2.19	2
Kurfa Chele	7,122	1,961	2,059	0.29	4,640	2.16	2
Kersa	27,745	6,925	7,299	0.26	17,067	2.20	2

TABLE 8.8A: - Number of Holders Reporting 'Erfe' Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Erfe', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Erfes' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Erfe' (Birr)	Average Duration of Service of 'Erfe' (Years)
East Harerge Zone							
Meta	43,775	15,027	16,181	0.37	30,648	1.77	2
Goro Gutu	25,718	11,060	11,846	0.46	30,080	2.36	1
Deder	38,265	12,548	14,081	0.37	20,747	1.32	2
Malka Balo	24,930	6,203	7,049	0.28	16,182	2.04	1
Bedeno	43,356	8,930	10,670	0.25	18,315	1.45	2
Girawa	38,886	4,120	4,291	0.11	7,070	1.58	2
Gola Oda	7,861	5,826	6,495	0.83	11,719	1.65	1
Bale Zone	259,058	169,034	244,319	0.94	365,526	1.02	1
Kokosa	23,375	819	1,035	0.04	*	1.43	2
Dodola	23,650	14,855	24,254	1.03	25,160	0.63	1
Adaba	19,856	14,897	23,850	1.20	20,885	0.54	1
Agarfa	13,146	10,915	17,714	1.35	24,372	0.81	1
Gasera	12,088	8,870	12,471	1.03	23,199	1.34	1
Gololcha	14,914	11,950	18,398	1.23	46,153	1.67	1
Legehida	8,094	6,684	7,506	0.93	10,176	1.23	1
Ginir	21,653	17,249	25,133	1.16	45,968	1.22	1
Sinanana Dinsho	24,988	20,890	34,098	1.36	46,496	0.80	1
Goba	7,183	5,891	8,547	1.19	9,562	0.78	1
Mennana Arena Buluk	19,198	11,653	13,051	0.68	15,935	1.07	1
Nensebo	14,169	1,412	1,980	0.14	2,332	0.72	2
Meda Welabu	12,557	9,143	10,770	0.86	17,329	1.39	2
Berbere	10,213	7,263	8,483	0.83	10,881	1.11	1
Guradamole	4,160	3,519	4,283	1.03	5,727	1.12	1
Goro	15,934	14,184	22,528	1.41	45,328	1.23	1
Raytu	6,168	3,542	4,242	0.69	5,248	1.04	1
Seweyna	7,711	5,299	5,974	0.77	8,318	1.22	1
Borena Zone	283,104	95,060	129,324	0.46	220,140	1.30	2
Uraga	42,623	7,017	8,524	0.20	13,291	1.35	1
Bore	30,433	14,245	15,346	0.50	28,403	1.75	2
Adolana Wadera	22,616	15,003	18,474	0.82	29,347	1.23	1
Odo Shakiso	14,015	3,785	4,067	0.29	11,542	2.67	3
Hager Mariam	86,116	11,509	17,390	0.20	22,941	0.97	2
Yabelo	10,081	6,181	9,640	0.96	18,537	1.31	2
Arero	3,331	1,674	2,563	0.77	4,347	1.21	1
Liben	14,844	9,635	13,678	0.92	28,509	1.49	2
Moyale	10,736	6,252	9,906	0.92	25,628	1.70	1
Dire	13,719	9,414	15,287	1.11	15,541	0.64	2
Teltele	7,361	5,341	8,701	1.18	8,004	0.54	1
Gelana Abaya	27,229	5,005	5,747	0.21	14,050	2.18	2

TABLE 8.9A: - Number of Holders Reporting Plough-Beam Owned, Quantity Reported, Replacement Value, and Duration of Service of Plough-Beam, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Plough-Beam s Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Plough-Beam (Birr)	Average Duration of Service of Plough-Beam (Years)
Oromia Region	3,981,704	2,591,935	3,538,714	0.89	33,026,990	6.88	4
West Welega Zone	313,923	200,986	228,750	0.73	1,063,215	4.08	3
Mana Sibu	27,022	19,769	23,330	0.86	74,169	2.70	2
Nejo	17,916	12,697	14,675	0.82	43,831	2.55	3
Gimbi	17,096	10,236	11,037	0.65	51,496	4.31	3
Lalo Asabi	10,906	6,800	7,263	0.67	34,865	4.45	3
Boji	15,188	10,110	11,159	0.73	40,816	3.31	3
Ayra Guliso	16,371	11,285	12,858	0.79	51,368	3.48	3
Jarso	16,190	13,202	14,871	0.92	40,527	2.44	2
Gidami	13,636	8,123	9,667	0.71	80,103	6.88	3
Jimma Horo	6,869	5,287	6,429	0.94	26,720	3.37	2
Hawa Welel	17,315	10,466	12,454	0.72	74,733	5.09	3
Gawo Dale	23,820	16,652	19,335	0.81	84,576	3.78	2
Dale Sadi	11,117	7,474	8,554	0.77	28,776	2.91	3
Yubdo	5,640	4,085	4,681	0.83	17,644	3.30	3
Ganji	9,611	6,025	6,686	0.70	29,958	3.99	3
Haru	11,508	6,677	7,545	0.66	42,260	4.94	4
Nole Kaba	23,388	14,956	17,396	0.74	79,524	3.97	3
Lalo Kilie	7,900	5,731	6,536	0.83	21,254	2.82	3
Sayo	19,844	10,239	11,410	0.57	84,477	6.73	3
Anfilo	11,848	3,302	4,082	0.34	23,999	4.74	3
Begi	30,734	17,869	18,781	0.61	132,120	6.54	3
East Welega Zone	260,893	189,914	239,611	0.92	1,238,167	4.02	3
Limu	20,690	12,981	15,395	0.74	61,858	3.27	2
Ibantu	5,087	4,097	4,716	0.93	14,546	2.67	2
Gida Kiremu	22,168	15,435	18,960	0.86	79,454	3.39	2
Jarte	7,363	6,138	8,150	1.11	35,780	3.29	2
Amuru	7,739	6,085	8,245	1.07	49,431	4.41	2
Abe Dongoro	9,470	5,357	6,834	0.72	34,351	3.86	2
Jimma Horo	24,023	19,092	24,875	1.04	139,152	4.33	3
Abay Chomen	4,715	3,770	5,622	1.19	25,175	3.00	2
Guduru	21,520	16,119	23,204	1.08	157,919	4.65	2
Jimma Rare	7,738	6,009	7,992	1.03	90,064	8.41	3
Bila Seyo	13,470	9,634	11,851	0.88	73,591	4.94	3
Sibu Sire	15,203	11,263	13,540	0.89	72,773	4.47	3
Guto Wayu	28,487	19,975	23,763	0.83	114,176	3.99	3
Sasiga	11,346	7,194	8,121	0.72	37,255	3.96	3
Leka Dulecha	10,555	7,838	9,477	0.90	37,942	3.27	3
Diga	11,868	7,762	9,533	0.80	49,337	4.20	3
Jimma Arjo	13,333	9,882	12,407	0.93	46,855	3.01	3
Nunu Kumba	10,438	8,422	10,126	0.97	39,338	3.16	3
Wama Bonaya	15,680	12,862	16,802	1.07	79,171	3.62	3
Illibabor Zone	195,287	134,400	164,852	0.84	616,573	3.02	3
Darimu	22,324	13,914	17,044	0.76	63,837	2.99	3
Supena Sodo	13,139	8,740	10,501	0.80	32,424	2.53	3
Chora	19,554	13,468	16,869	0.86	61,787	2.91	3
Dega	10,191	7,887	10,530	1.03	37,195	2.75	2
Bedele	20,513	15,259	18,493	0.90	82,678	3.68	3
Gechi	10,893	8,318	9,792	0.90	33,421	2.90	2
Borecha Wereda	9,030	6,736	8,226	0.91	29,544	2.90	2
Dedesa	14,033	10,145	13,450	0.96	55,358	3.03	2
yayu	19,201	12,508	15,152	0.79	51,338	2.78	3
Metu	22,651	13,171	15,769	0.70	62,701	3.25	3

TABLE 8.9A: - Number of Holders Reporting Plough-Beam Owned, Quantity Reported, Replacement Value, and Duration of Service of Plough-Beam, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Plough-Beams Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Plough-Beam (Birr)	Average Duration of Service of Plough-Beam (Years)
Illibabor Zone							
Ale	17,356	12,761	14,994	0.86	53,485	2.98	3
Bure	11,992	8,313	10,493	0.88	41,889	3.13	4
Nono	4,411	3,180	3,539	0.80	10,918	2.74	3
Jimma Zone	443,315	328,709	410,049	0.92	1,898,296	3.69	2
Limu Seka	29,245	24,477	27,941	0.96	150,031	4.64	2
Limu Kosa	45,921	35,756	43,566	0.95	275,290	5.26	3
Sokoru	25,586	19,573	24,708	0.97	110,855	3.51	3
Tiro Afeta	24,135	19,688	24,720	1.02	129,411	4.16	2
Kersa	29,474	25,938	31,953	1.08	161,240	4.06	2
Mana	27,816	16,614	18,973	0.68	89,877	3.93	3
Goma	49,523	26,708	32,538	0.66	151,812	3.81	2
Gera	20,803	16,884	21,136	1.02	100,225	3.82	3
Seka chekorsa	56,422	38,048	48,756	0.86	187,430	3.00	3
Dedo	54,035	43,095	54,388	1.01	181,268	2.48	2
Omonada	45,972	38,390	54,876	1.19	255,190	3.28	2
Sigmo	16,132	11,450	12,510	0.78	45,224	3.28	2
Setema	18,249	12,088	13,983	0.77	60,442	3.77	2
West Shewa Zone	502,591	367,571	526,182	1.05	5,359,157	6.98	4
Ginde Beret	33,630	25,063	32,365	0.96	345,422	8.30	4
Jeldu	33,701	24,581	30,112	0.89	395,425	11.05	4
Ambo	40,122	29,014	40,506	1.01	503,298	8.49	4
Cheliya	37,011	27,773	36,809	0.99	339,157	6.76	3
Bako Tibe	19,389	14,290	18,348	0.95	118,059	4.92	3
Dano	15,544	12,603	16,704	1.07	83,329	3.67	3
Nono	23,140	18,776	26,082	1.13	272,151	6.64	3
Tikur	12,596	7,595	8,291	0.66	60,611	6.55	3
Amaya	21,943	17,064	23,958	1.09	219,092	6.00	2
Wonchi	17,405	9,650	10,815	0.62	75,313	6.19	3
Dendi	37,106	26,251	37,277	1.00	403,490	7.20	5
Ejerie	15,219	11,478	20,625	1.36	168,137	4.70	5
Adda Berga	19,302	15,068	22,569	1.17	257,570	7.76	4
Walmara	17,073	12,817	23,330	1.37	183,805	4.20	4
Alem Gana	20,607	14,703	25,766	1.25	355,307	7.84	4
Kersana Kondaltiti	22,051	18,216	24,722	1.12	375,251	10.84	4
Tole	10,401	8,670	14,207	1.37	179,150	7.72	4
Elu	10,354	7,759	16,359	1.58	158,170	4.65	4
Dawo	13,068	10,648	18,090	1.38	186,856	6.26	4
Walisona Goro	35,633	21,040	27,177	0.76	195,334	5.67	4
Becho	11,294	9,073	19,305	1.71	178,902	4.43	4
Kokir	12,362	8,409	11,403	0.92	87,284	5.76	3
Meta Robi	23,639	17,031	21,364	0.90	218,044	8.23	4
North Shewa(Oromia) Zone	237,011	188,777	330,055	1.39	2,680,765	4.61	4
Wara Jarso	25,009	19,583	37,614	1.50	166,331	2.40	3
Dera	35,035	24,474	36,542	1.04	208,494	3.80	3
Hidabu Abote	15,884	11,845	16,291	1.03	173,860	7.67	4
Kuyu	20,090	15,118	26,911	1.34	158,598	3.43	3
Degem	17,936	13,645	18,123	1.01	161,749	6.82	4
Gerar Jarso	13,163	11,714	19,115	1.45	144,636	4.60	3
Yaya Gulelena Debre Libano	16,566	13,697	24,312	1.47	201,371	4.68	4
Wuchalena Jido	22,017	18,526	29,774	1.35	273,209	5.80	5
Abichuna Gna'a	11,868	9,956	17,484	1.47	101,075	3.35	4
Kembibit	10,860	8,811	14,073	1.30	146,644	6.34	4
Berehna Aleltu	24,774	20,391	48,899	1.97	573,697	4.76	4
Mulona Sululta	23,810	21,017	40,916	1.72	371,101	4.77	4

TABLE 8.9A: - Number of Holders Reporting Plough-Beam Owned, Quantity Reported, Replacement Value, and Duration of Service of Plough-Beam, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Plough-Beams Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Plough-Beam (Birr)	Average Duration of Service of Plough-Beam (Years)
East Shewa Zone	314,966	233,933	326,978	1.04	5,067,246	11.43	5
Fentale	6,677	4,654	5,024	0.75	112,934	21.05	4
Boset	24,837	18,306	26,354	1.06	470,893	12.48	4
Adama	26,906	19,147	25,449	0.95	501,614	20.55	4
Lome	14,564	11,163	18,755	1.29	312,838	9.89	3
Gimbichu	15,569	12,916	26,173	1.68	436,778	8.56	4
Ada'a Liben Chukala	40,176	29,852	49,731	1.24	863,973	10.56	3
Dugda Bora	28,844	23,364	31,746	1.10	423,646	9.93	4
Adami Tullu Jido Kombolcha	23,794	17,464	21,253	0.89	210,362	8.05	4
Arsi Negele	26,584	19,603	24,355	0.92	294,080	9.65	5
Shashemene	46,108	30,135	35,720	0.77	552,618	12.95	6
Seraro	48,209	37,311	44,020	0.91	553,692	10.74	8
Akaki	12,696	10,017	18,397	1.45	333,817	10.24	3
Arsi Zone	493,007	379,097	611,610	1.24	5,835,335	6.06	5
Merti	22,750	17,445	27,151	1.19	440,261	10.38	5
Aseko	14,396	10,747	14,425	1.00	171,831	9.00	5
Gololcha	29,178	20,101	22,837	0.78	258,089	10.02	4
Jeju	22,217	16,974	24,146	1.09	314,246	9.13	4
Dodotana Sire	22,887	16,874	28,616	1.25	366,940	7.74	4
Zeway Dugda	21,200	16,491	21,538	1.02	236,728	8.41	5
Hitosa	39,229	30,751	55,687	1.42	500,390	4.95	4
Sude	25,501	20,737	31,899	1.25	368,179	7.56	6
Chole	15,918	12,711	19,503	1.23	236,692	8.00	4
Amigna	11,176	9,464	15,234	1.36	153,731	6.56	5
Seru	18,205	15,428	23,723	1.30	200,974	5.77	5
Robe	27,062	22,075	36,535	1.35	405,154	6.76	5
Tena	20,684	16,078	24,753	1.20	227,933	6.21	4
Sherka	26,405	21,479	37,608	1.42	333,510	5.15	6
Digeluna Tijo	22,181	17,422	34,995	1.58	198,551	2.69	4
Tiyo	15,978	11,909	22,676	1.42	182,622	4.20	3
Munesa	35,171	27,094	44,193	1.26	322,532	4.53	4
Bekoji	35,995	28,667	55,027	1.53	326,091	3.03	5
Gedeb	24,847	20,406	35,415	1.43	291,745	4.71	6
Kofele	42,028	26,247	35,650	0.85	299,139	6.04	6
West Harerge Zone	291,356	177,295	196,309	0.67	4,531,870	20.82	5
Mieso	16,400	13,521	14,626	0.89	531,090	33.68	4
Doba	22,768	17,319	19,396	0.85	348,610	15.98	7
Tulo	24,329	12,538	13,098	0.54	278,503	20.26	5
Mesela	25,840	8,179	8,738	0.34	108,019	11.40	4
Chiro	62,368	30,427	32,785	0.53	895,370	25.09	5
Goba Koricha	20,014	16,009	18,944	0.95	448,658	20.19	4
Anchar	13,430	10,856	12,345	0.92	191,395	13.47	4
Habro	30,386	17,515	21,143	0.70	496,804	19.09	4
Darolebu	26,978	21,112	22,954	0.85	325,292	13.04	3
Boke	22,144	13,684	15,000	0.68	319,590	19.79	5
Kuni	26,701	16,135	17,279	0.65	588,539	31.77	5
East Harerge Zone	387,193	121,931	128,234	0.33	1,450,731	10.80	5
Kombolcha	20,710	1,959	2,069	0.10	35,320	15.81	6
Jarso	17,052	4,714	4,993	0.29	57,809	10.77	4
Gursum	25,567	14,144	14,575	0.57	172,144	11.53	4
Babile	10,237	8,060	8,807	0.86	105,402	11.02	4
Fedis	24,565	13,603	14,121	0.57	147,742	10.16	5
Haro Maya	31,404	2,246	2,379	0.08	31,960	12.46	6
Kurfa Chele	7,122	2,108	2,228	0.31	22,715	9.68	6
Kersa	27,745	8,176	8,315	0.30	137,535	16.37	7

TABLE 8.9A: - Number of Holders Reporting Plough-Beam Owned, Quantity Reported, Replacement Value, and Duration of Service of Plough-Beam, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Plough-Beams Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Plough-Beam (Birr)	Average Duration of Service of Plough-Beam (Years)
East Harerge Zone							
Meta	43,775	15,624	16,397	0.37	153,552	8.91	6
Goro Gutu	25,718	11,199	11,930	0.46	145,001	11.33	5
Deder	38,265	13,434	14,381	0.38	157,178	10.17	5
Malka Balo	24,930	6,283	6,687	0.27	71,205	10.05	4
Bedeno	43,356	9,782	9,957	0.23	85,077	8.48	7
Girawa	38,886	4,777	4,836	0.12	46,604	9.55	7
Gola Oda	7,861	5,823	6,560	0.83	81,488	11.72	5
Bale Zone	259,058	172,712	256,510	0.99	2,375,692	6.10	4
Kokosa	23,375	1,106	1,347	0.06	10,567	6.05	6
Dodola	23,650	15,201	25,970	1.10	154,262	3.51	5
Adaba	19,856	15,130	26,892	1.35	173,724	3.66	4
Agarfa	13,146	10,964	17,612	1.34	182,389	6.27	5
Gasera	12,088	8,971	12,713	1.05	208,976	11.92	4
Gololcha	14,914	12,225	17,328	1.16	241,667	9.72	6
Legehida	8,094	6,867	7,585	0.94	50,350	5.93	3
Ginir	21,653	17,584	26,473	1.22	341,982	8.25	4
Sinanana Dinsho	24,988	20,928	36,593	1.46	302,695	4.60	5
Goba	7,183	5,995	9,426	1.31	69,103	4.63	4
Mennana Arena Buluk	19,198	11,944	13,384	0.70	82,649	5.57	4
Nensebo	14,169	1,467	2,203	0.16	11,608	3.59	4
Meda Welabu	12,557	9,675	10,838	0.86	80,721	6.49	4
Berbere	10,213	7,326	8,521	0.83	55,850	5.62	3
Guradamole	4,160	3,572	4,506	1.08	30,771	5.48	4
Goro	15,934	14,314	24,316	1.53	304,877	7.13	4
Raytu	6,168	3,890	4,341	0.70	26,005	5.41	3
Seweyna	7,711	5,552	6,460	0.84	47,500	6.22	3
Borena Zone	283,104	96,610	119,574	0.42	909,942	6.27	4
Uraga	42,623	7,022	7,953	0.19	51,857	5.76	4
Bore	30,433	14,513	15,642	0.51	106,279	6.30	4
Adolana Wadera	22,616	14,978	17,495	0.77	133,720	6.66	3
Odo Shakiso	14,015	3,771	3,952	0.28	43,293	10.56	4
Hager Mariam	86,116	11,922	15,168	0.18	100,931	5.68	4
Yabelo	10,081	6,444	9,663	0.96	93,061	6.61	4
Arero	3,331	1,693	2,248	0.67	17,767	5.90	3
Liben	14,844	9,765	11,868	0.80	103,379	7.35	3
Moyale	10,736	6,143	8,544	0.80	91,108	7.94	3
Dire	13,719	9,592	13,865	1.01	82,966	4.10	4
Teltele	7,361	5,396	7,263	0.99	28,972	3.03	3
Gelana Abaya	27,229	5,372	5,913	0.22	56,608	8.43	5

TABLE 8.10A: - Number of Holders Reporting Plough-Tip (Metal) Owned, Quantity Reported, Replacement Value, and Duration of Service of Plough-Tip, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Plough-Tips Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Plough-Tip (Birr)	Average Duration of Service of Plough-Tip (Years)
Oromia Region	3,981,704	2,602,623	3,120,697	0.78	41,238,102	11.04	5
West Welega Zone	313,923	199,889	221,951	0.71	2,511,033	10.26	5
Mana Sibu	27,022	19,612	22,160	0.82	224,173	8.94	4
Nejo	17,916	12,794	14,975	0.84	108,503	6.43	3
Gimbi	17,096	10,364	11,118	0.65	113,773	9.68	3
Lalo Asabi	10,906	6,846	7,211	0.66	58,277	7.68	3
Boji	15,188	10,019	10,803	0.71	82,781	7.11	3
Ayra Guliso	16,371	11,379	12,788	0.78	108,247	7.51	5
Jarso	16,190	13,084	14,414	0.89	165,269	10.48	5
Gidami	13,636	8,099	8,849	0.65	130,271	13.42	7
Jimma Horo	6,869	5,171	5,972	0.87	65,765	9.91	5
Hawa Welel	17,315	10,364	11,804	0.68	178,040	13.29	7
Gawo Dale	23,820	16,390	18,072	0.76	238,576	12.04	5
Dale Sadi	11,117	7,512	8,335	0.75	79,688	8.65	6
Yubdo	5,640	4,066	4,594	0.81	46,469	8.94	5
Ganji	9,611	6,035	6,568	0.68	56,310	7.89	4
Haru	11,508	6,649	7,273	0.63	75,954	9.47	3
Nole Kaba	23,388	14,909	17,178	0.73	181,112	9.17	5
Lalo Kilie	7,900	5,656	6,293	0.80	58,467	8.25	4
Sayo	19,844	9,879	10,702	0.54	138,326	11.97	6
Anfilo	11,848	3,433	4,007	0.34	57,679	12.36	6
Begi	30,734	17,631	18,837	0.61	343,355	17.17	6
East Welega Zone	260,893	189,600	227,346	0.87	2,690,944	9.81	5
Limu	20,690	12,986	14,733	0.71	123,074	6.89	2
Ibantu	5,087	4,076	4,980	0.98	39,533	6.44	2
Gida Kiremu	22,168	15,370	18,161	0.82	208,891	9.56	4
Jarte	7,363	6,205	7,900	1.07	106,051	10.60	3
Amuru	7,739	6,152	7,755	1.00	107,731	11.00	3
Abe Dongoro	9,470	5,345	5,890	0.62	80,982	12.35	5
Jimma Horo	24,023	19,021	23,301	0.97	330,887	11.60	5
Abay Chomen	4,715	3,779	5,112	1.08	70,118	10.12	4
Guduru	21,520	16,159	21,231	0.99	260,140	9.48	4
Jimma Rare	7,738	5,940	7,137	0.92	101,131	11.71	5
Bila Seyo	13,470	9,704	11,327	0.84	156,090	11.70	6
Sibu Sire	15,203	11,332	13,278	0.87	188,805	12.29	7
Guto Wayu	28,487	19,648	22,449	0.79	250,273	9.75	6
Sasiga	11,346	7,328	8,047	0.71	78,801	8.87	6
Leka Dulecha	10,555	7,823	9,013	0.85	86,348	8.27	4
Diga	11,868	7,710	9,196	0.77	94,305	8.58	4
Jimma Arjo	13,333	9,877	11,724	0.88	122,500	8.96	5
Nunu Kumba	10,438	8,358	9,706	0.93	89,284	7.95	5
Wama Bonaya	15,680	12,789	16,405	1.05	196,001	9.38	6
Illibabor Zone	195,287	133,563	159,411	0.82	1,445,513	7.56	6
Darimu	22,324	13,836	16,805	0.75	144,323	6.90	6
Supena Sodo	13,139	8,645	10,025	0.76	83,420	7.13	6
Chora	19,554	13,206	15,437	0.79	136,263	7.47	6
Dega	10,191	7,764	9,712	0.95	81,708	6.76	4
Bedele	20,513	15,137	18,889	0.92	179,956	7.69	5
Gechi	10,893	8,370	9,729	0.89	88,822	7.81	5
Borecha Wereda	9,030	6,659	7,601	0.84	57,065	6.56	5
Dedesa	14,033	10,207	12,873	0.92	104,021	6.25	5
yayu	19,201	12,546	14,348	0.75	153,377	9.28	8
Metu	22,651	13,213	16,162	0.71	137,946	6.91	7

TABLE 8.10A: - Number of Holders Reporting Plough-Tip (Metal) Owned, Quantity Reported, Replacement Value, and Duration of Service of Plough-Tip, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Plough-Tips Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Plough-Tip (Birr)	Average Duration of Service of Plough-Tip (Years)
Illibabor Zone							
Ale	17,356	12,513	14,170	0.82	140,825	8.68	9
Bure	11,992	8,341	10,282	0.86	96,102	7.63	8
Nono	4,411	3,126	3,378	0.77	41,686	11.34	8
Jimma Zone	443,315	327,390	383,550	0.87	3,613,729	8.03	5
Limu Seka	29,245	24,263	27,537	0.94	245,262	7.91	4
Limu Kosa	45,921	35,756	43,392	0.94	391,675	7.51	5
Sokoru	25,586	19,616	23,689	0.93	223,593	7.85	4
Tiro Afeta	24,135	19,632	23,397	0.97	230,520	8.26	4
Kersa	29,474	25,937	31,038	1.05	297,896	8.03	4
Mana	27,816	16,469	17,358	0.62	141,683	7.58	6
Goma	49,523	26,453	30,187	0.61	267,927	7.75	5
Gera	20,803	16,834	19,031	0.91	207,359	9.60	7
Seka chekorsa	56,422	37,573	43,197	0.77	358,697	7.21	6
Dedo	54,035	43,137	50,503	0.93	427,008	7.30	5
Omonada	45,972	38,332	48,818	1.06	573,200	9.15	4
Sigmo	16,132	11,360	11,897	0.74	111,257	8.95	5
Setema	18,249	12,028	13,506	0.74	137,652	9.26	5
West Shewa Zone	502,591	367,450	458,170	0.91	5,530,309	9.63	6
Ginde Beret	33,630	25,100	29,920	0.89	358,125	9.92	6
Jeldu	33,701	24,824	27,973	0.83	396,819	12.64	6
Ambo	40,122	29,142	36,351	0.91	314,442	6.93	5
Cheliya	37,011	27,611	34,515	0.93	384,261	8.88	5
Bako Tibe	19,389	13,879	17,204	0.89	224,773	10.45	6
Dano	15,544	12,584	15,480	1.00	157,388	8.26	6
Nono	23,140	18,652	23,465	1.01	297,469	9.49	5
Tikur	12,596	7,473	7,897	0.63	72,630	8.67	6
Amaya	21,943	17,162	20,846	0.95	262,435	10.15	5
Wonchi	17,405	9,652	10,319	0.59	113,010	10.26	4
Dendi	37,106	26,223	32,382	0.87	373,694	9.21	8
Ejerie	15,219	11,400	14,998	0.99	185,728	9.50	9
Adda Berga	19,302	15,127	19,464	1.01	291,297	11.67	5
Walmara	17,073	12,890	18,337	1.07	197,002	7.75	6
Alem Gana	20,607	14,764	20,349	0.99	270,007	9.60	5
Kersana Kondaltiti	22,051	18,242	22,651	1.03	313,768	11.17	4
Tole	10,401	8,619	11,054	1.06	146,101	10.24	3
Elu	10,354	7,711	12,208	1.18	157,891	8.15	7
Dawo	13,068	10,692	14,922	1.14	184,712	8.99	7
Walisona Goro	35,633	21,252	25,507	0.72	287,796	9.39	6
Becho	11,294	9,108	13,289	1.18	168,266	8.73	5
Kokir	12,362	8,466	10,001	0.81	121,443	10.26	5
Meta Robi	23,639	16,876	19,039	0.81	251,253	11.79	6
North Shewa(Oromia) Zone	237,011	188,651	233,585	0.99	4,526,573	15.64	7
Wara Jarso	25,009	19,645	24,334	0.97	462,333	15.43	8
Dera	35,035	24,250	27,304	0.78	554,793	17.92	6
Hidabu Abote	15,884	11,812	13,101	0.82	239,408	16.48	8
Kuyu	20,090	15,467	18,209	0.91	305,824	14.39	6
Degem	17,936	13,666	15,571	0.87	278,360	15.70	7
Gerar Jarso	13,163	11,588	13,566	1.03	290,792	18.25	6
Yaya Gulelena Debre Libano	16,566	13,615	16,345	0.99	337,789	17.44	8
Wuchalena Jido	22,017	18,680	22,972	1.04	502,727	17.82	8
Abichuna Gna'a	11,868	10,061	12,473	1.05	153,738	9.86	11
Kembibit	10,860	8,676	11,087	1.02	208,532	14.70	7
Berehna Aleltu	24,774	20,384	30,655	1.24	589,176	12.69	8
Mulona Sululta	23,810	20,807	27,966	1.17	603,100	16.03	8

TABLE 8.10A: - Number of Holders Reporting Plough-Tip (Metal) Owned, Quantity Reported, Replacement Value, and Duration of Service of Plough-Tip, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Plough-Tips Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Plough-Tip (Birr)	Average Duration of Service of Plough-Tip (Years)
East Shewa Zone	314,966	232,254	295,881	0.94	3,674,021	9.62	3
Fentale	6,677	4,658	5,460	0.82	99,435	16.22	4
Boset	24,837	18,218	24,416	0.98	306,076	9.36	2
Adama	26,906	19,288	24,904	0.93	352,860	10.99	2
Lome	14,564	11,199	16,933	1.16	270,842	10.52	4
Gimbichu	15,569	12,887	17,288	1.11	342,444	14.78	6
Ada'a Liben Chukala	40,176	29,810	44,532	1.11	607,866	9.10	3
Dugda Bora	28,844	23,627	31,826	1.10	261,240	6.12	3
Adami Tullu Jido Kombolcha	23,794	16,489	19,561	0.82	114,620	4.88	2
Arsi Negele	26,584	19,857	22,928	0.86	283,291	10.53	3
Shashemene	46,108	29,497	33,307	0.72	437,690	11.62	2
Seraro	48,209	36,644	39,749	0.82	393,466	9.07	2
Akaki	12,696	10,080	14,976	1.18	204,191	9.17	5
Arsi Zone	493,007	377,121	472,365	0.96	6,163,348	10.53	6
Merti	22,750	17,595	21,740	0.96	460,069	16.99	6
Aseko	14,396	10,651	12,208	0.85	234,423	16.89	6
Gololcha	29,178	19,801	26,034	0.89	281,173	10.29	3
Jeju	22,217	16,961	19,755	0.89	380,005	16.40	4
Dodotana Sire	22,887	16,867	22,406	0.98	373,558	12.67	6
Zeway Dugda	21,200	16,851	21,329	1.01	212,696	7.81	3
Hitosa	39,229	30,649	39,139	1.00	580,333	11.56	5
Sude	25,501	19,908	22,569	0.89	295,576	11.53	5
Chole	15,918	12,555	14,774	0.93	269,086	15.36	6
Amigna	11,176	9,427	11,621	1.04	120,587	8.47	3
Seru	18,205	15,452	18,722	1.03	208,068	9.45	4
Robe	27,062	22,027	26,254	0.97	307,351	9.88	5
Tena	20,684	15,886	18,739	0.91	195,607	8.79	6
Sherka	26,405	21,363	25,865	0.98	305,631	9.81	9
Digeluna Tijo	22,181	17,010	23,447	1.06	234,663	7.21	7
Tiyo	15,978	11,987	16,154	1.01	213,393	9.77	6
Munesa	35,171	27,107	35,244	1.00	427,521	9.37	5
Bekoji	35,995	28,545	38,144	1.06	480,064	9.06	9
Gedeb	24,847	20,459	28,080	1.13	291,219	7.52	7
Kofele	42,028	26,020	30,141	0.72	292,325	8.24	5
West Harerge Zone	291,356	176,041	189,876	0.65	3,749,627	18.22	5
Mieso	16,400	13,302	14,218	0.87	285,792	18.83	3
Doba	22,768	17,126	18,482	0.81	376,548	18.22	8
Tulo	24,329	12,675	12,930	0.53	223,130	16.89	4
Mesela	25,840	8,111	8,290	0.32	147,110	17.29	6
Chiro	62,368	29,955	31,552	0.51	607,979	18.32	4
Goba Koricha	20,014	15,860	18,229	0.91	402,008	19.16	4
Anchar	13,430	10,729	11,298	0.84	306,481	26.15	5
Habro	30,386	17,162	20,509	0.67	407,899	16.33	4
Darolebu	26,978	21,267	22,442	0.83	310,838	13.19	3
Boke	22,144	13,460	14,445	0.65	298,681	19.36	8
Kuni	26,701	16,393	17,483	0.65	383,162	20.60	6
East Harerge Zone	387,193	144,659	155,307	0.40	2,260,757	13.59	6
Kombolcha	20,710	6,112	6,592	0.32	142,447	19.96	3
Jarso	17,052	4,625	5,016	0.29	86,898	15.82	6
Gursum	25,567	15,985	17,591	0.69	161,444	8.45	2
Babile	10,237	7,750	9,688	0.95	131,620	10.97	2
Fedis	24,565	12,662	13,473	0.55	193,789	13.36	8
Haro Maya	31,404	2,782	2,892	0.09	34,792	11.69	4
Kurfa Chele	7,122	2,872	3,004	0.42	59,558	19.19	8
Kersa	27,745	10,279	11,590	0.42	192,830	14.76	5

TABLE 8.10A: - Number of Holders Reporting Plough-Tip (Metal) Owned, Quantity Reported, Replacement Value, and Duration of Service of Plough-Tip, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Plough-Tips Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Plough-Tip (Birr)	Average Duration of Service of Plough-Tip (Years)
East Harerge Zone							
Meta	43,775	16,932	17,773	0.41	210,449	11.35	5
Goro Gutu	25,718	10,733	10,859	0.42	189,948	17.28	6
Deder	38,265	15,020	15,555	0.41	232,521	14.38	6
Malka Balo	24,930	5,930	6,381	0.26	117,883	16.98	7
Bedeno	43,356	20,024	21,345	0.49	295,433	13.09	10
Girawa	38,886	7,143	7,318	0.19	107,610	14.31	9
Gola Oda	7,861	5,810	6,230	0.79	103,535	15.47	10
Bale Zone	259,058	169,255	208,064	0.80	3,061,048	11.85	8
Kokosa	23,375	1,091	1,120	0.05	13,535	11.37	5
Dodola	23,650	14,827	20,283	0.86	201,848	7.21	6
Adaba	19,856	14,707	19,723	0.99	243,766	9.12	7
Agarfa	13,146	11,001	14,661	1.12	207,289	10.25	7
Gasera	12,088	8,947	11,048	0.91	219,660	16.09	6
Gololcha	14,914	12,002	14,746	0.99	247,771	13.36	10
Legehida	8,094	6,609	6,924	0.86	103,732	14.27	6
Ginir	21,653	17,742	21,537	0.99	379,826	14.25	8
Sinanana Dinsho	24,988	21,118	28,925	1.16	398,397	9.87	11
Goba	7,183	6,004	7,650	1.07	109,730	11.34	9
Mennana Arena Buluk	19,198	11,212	11,669	0.61	143,426	11.74	8
Nensebo	14,169	1,398	1,536	0.11	21,716	12.92	10
Meda Welabu	12,557	8,887	9,290	0.74	127,317	12.98	5
Berbere	10,213	7,132	7,475	0.73	125,391	16.12	8
Guradamole	4,160	3,488	3,693	0.89	49,575	12.64	7
Goro	15,934	14,292	18,628	1.17	335,078	13.45	9
Raytu	6,168	3,448	3,620	0.59	47,090	12.36	10
Seweyna	7,711	5,350	5,538	0.72	85,900	14.99	8
Borena Zone	283,104	96,750	115,191	0.41	2,011,200	15.05	6
Uraga	42,623	7,408	8,274	0.19	169,678	18.28	9
Bore	30,433	14,737	15,829	0.52	370,911	21.69	7
Adolana Wadera	22,616	15,591	18,000	0.80	343,305	16.98	5
Odo Shakiso	14,015	3,793	3,936	0.28	82,458	20.22	7
Hager Mariam	86,116	12,587	15,667	0.18	249,042	12.52	7
Yabelo	10,081	6,211	8,491	0.84	134,985	12.37	5
Arero	3,331	1,656	2,245	0.67	31,655	10.23	4
Liben	14,844	9,216	10,226	0.69	229,909	20.56	6
Moyale	10,736	6,192	8,041	0.75	106,961	10.40	3
Dire	13,719	9,604	13,256	0.97	143,618	7.79	5
Teltele	7,361	4,294	5,301	0.72	41,447	6.32	6
Gelana Abaya	27,229	5,460	5,926	0.22	107,231	16.73	9

TABLE 8.11A: - Number of Holders Reporting 'Wegel' -Tip Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Wegel' -Tip, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Wegel' -Tips Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Wegel' -Tip (Birr)	Average Duration of Service of 'Wegel' -Tip (Years)
Oromia Region	3,981,704	2,561,628	3,040,310	0.76	14,529,949	4.04	5
West Welega Zone	313,923	196,304	216,324	0.69	1,249,352	5.26	5
Mana Sibu	27,022	19,454	21,553	0.80	128,012	5.40	4
Nejo	17,916	12,736	14,235	0.79	66,755	4.23	3
Gimbi	17,096	10,283	11,108	0.65	65,720	5.58	3
Lalo Asabi	10,906	6,790	7,212	0.66	36,251	4.74	3
Boji	15,188	10,028	11,097	0.73	47,911	4.01	3
Ayra Guliso	16,371	11,206	12,604	0.77	68,260	4.81	5
Jarso	16,190	13,069	14,393	0.89	84,852	5.29	5
Gidami	13,636	6,771	7,445	0.55	55,853	6.81	5
Jimma Horo	6,869	5,110	5,734	0.83	42,499	6.59	5
Hawa Welel	17,315	10,255	11,336	0.65	68,403	5.36	6
Gawo Dale	23,820	16,257	17,881	0.75	115,356	5.85	5
Dale Sadi	11,117	6,662	7,248	0.65	36,148	4.61	5
Yubdo	5,640	4,075	4,606	0.82	26,218	5.05	5
Ganji	9,611	6,009	6,619	0.69	33,731	4.66	4
Haru	11,508	6,648	7,108	0.62	40,441	5.34	4
Nole Kaba	23,388	15,002	17,155	0.73	107,431	5.52	5
Lalo Kilie	7,900	5,578	6,057	0.77	30,710	4.64	5
Sayo	19,844	9,785	10,562	0.53	50,595	4.50	5
Anfilo	11,848	3,418	3,818	0.32	26,562	6.16	6
Begi	30,734	17,168	18,553	0.60	117,645	5.96	5
East Welega Zone	260,893	189,136	226,138	0.87	1,177,559	4.22	4
Limu	20,690	12,949	14,295	0.69	50,684	3.17	2
Ibantu	5,087	4,093	4,787	0.94	16,670	2.96	2
Gida Kiremu	22,168	15,349	17,749	0.80	122,358	4.49	4
Jarte	7,363	6,244	7,701	1.05	53,824	5.67	3
Amuru	7,739	6,133	7,669	0.99	50,796	5.28	3
Abe Dongoro	9,470	5,286	5,641	0.60	31,140	5.13	5
Jimma Horo	24,023	18,999	23,826	0.99	152,291	5.17	4
Abay Chomen	4,715	3,776	5,198	1.10	40,226	5.61	4
Guduru	21,520	16,190	20,539	0.95	129,504	4.95	4
Jimma Rare	7,738	5,931	7,128	0.92	41,438	4.86	4
Bila Seyo	13,470	9,670	11,449	0.85	56,599	4.14	5
Sibu Sire	15,203	11,303	13,287	0.87	69,200	4.46	5
Guto Wayu	28,487	19,530	22,917	0.80	98,820	3.74	4
Sasiga	11,346	7,202	8,041	0.71	29,855	3.32	5
Leka Dulecha	10,555	7,810	8,956	0.85	32,314	3.14	3
Diga	11,868	7,722	9,302	0.78	37,986	3.46	3
Jimma Arjo	13,333	9,829	11,590	0.87	45,850	3.38	4
Nunu Kumba	10,438	8,385	9,511	0.91	36,038	3.32	4
Wama Bonaya	15,680	12,735	16,551	1.06	81,964	3.85	5
Illibabor Zone	195,287	131,842	155,645	0.80	662,814	3.60	5
Darimu	22,324	12,032	14,457	0.65	55,626	3.14	6
Supena Sodo	13,139	8,522	9,792	0.75	46,179	4.07	6
Chora	19,554	13,331	15,640	0.80	68,184	3.69	5
Dega	10,191	7,772	9,572	0.94	44,945	3.81	4
Bedele	20,513	15,055	18,543	0.90	86,709	3.76	4
Gechi	10,893	8,372	9,845	0.90	42,838	3.82	4
Borecha Wereda	9,030	6,670	7,581	0.84	30,202	3.52	4
Dedesa	14,033	10,291	12,578	0.90	51,356	3.35	5
yayu	19,201	12,572	14,457	0.75	80,627	4.82	7
Metu	22,651	13,183	15,515	0.68	51,155	2.81	6

TABLE 8.11A: - Number of Holders Reporting 'Wegel' -Tip Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Wegel' -Tip, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Wegel' -Tips Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Wegel' -Tip (Birr)	Average Duration of Service of 'Wegel' -Tip (Years)
Illibabor Zone							
Ale	17,356	12,543	14,138	0.81	51,251	3.20	7
Bure	11,992	8,362	10,210	0.85	36,488	2.92	6
Nono	4,411	3,137	3,318	0.75	17,255	4.86	5
Jimma Zone	443,315	323,363	375,257	0.85	1,789,825	4.11	4
Limu Seka	29,245	24,208	27,168	0.93	130,442	4.29	4
Limu Kosa	45,921	35,875	42,622	0.93	185,965	3.59	5
Sokoru	25,586	19,636	24,173	0.94	89,303	3.09	3
Tiro Afeta	24,135	18,729	21,942	0.91	107,524	4.18	4
Kersa	29,474	24,988	29,967	1.02	137,017	3.80	3
Mana	27,816	15,659	16,645	0.60	67,331	3.82	5
Goma	49,523	26,254	30,128	0.61	134,407	3.82	4
Gera	20,803	16,796	19,438	0.93	128,681	5.83	6
Seka chekorsa	56,422	37,291	42,291	0.75	176,225	3.65	5
Dedo	54,035	42,542	47,324	0.88	197,721	3.75	4
Omonada	45,972	38,111	48,687	1.06	242,594	3.94	3
Sigmo	16,132	11,340	11,742	0.73	84,986	6.95	5
Setema	18,249	11,933	13,130	0.72	107,629	7.44	5
West Shewa Zone	502,591	366,341	449,122	0.89	2,037,988	3.75	5
Ginde Beret	33,630	25,037	29,493	0.88	130,704	3.79	5
Jeldu	33,701	24,665	27,608	0.82	167,101	5.39	5
Ambo	40,122	29,036	36,197	0.90	124,975	2.75	4
Cheliya	37,011	27,481	34,401	0.93	194,723	4.47	5
Bako Tibe	19,389	13,878	17,022	0.88	90,372	4.29	5
Dano	15,544	12,600	15,343	0.99	68,727	3.67	5
Nono	23,140	18,803	23,546	1.02	97,691	3.33	4
Tikur	12,596	7,534	8,923	0.71	29,474	2.97	4
Amaya	21,943	16,944	20,795	0.95	87,237	3.42	4
Wonchi	17,405	9,641	11,145	0.64	34,931	2.84	4
Dendi	37,106	26,078	31,496	0.85	137,158	3.57	6
Ejerie	15,219	11,281	14,109	0.93	61,816	3.52	7
Adda Berga	19,302	14,938	19,146	0.99	100,739	4.08	5
Walmara	17,073	12,859	17,544	1.03	70,352	2.91	5
Alem Gana	20,607	14,841	19,782	0.96	95,435	4.36	4
Kersana Kondaltiti	22,051	18,217	22,052	1.00	112,956	4.23	5
Tole	10,401	8,678	10,675	1.03	55,834	4.24	4
Elu	10,354	7,650	10,350	1.00	46,181	3.32	6
Dawo	13,068	10,651	13,110	1.00	58,097	3.59	5
Walisona Goro	35,633	20,982	25,223	0.71	79,955	2.73	4
Becho	11,294	9,139	12,263	1.09	50,843	3.05	4
Kokir	12,362	8,344	9,733	0.79	41,041	3.65	4
Meta Robi	23,639	17,064	19,168	0.81	101,646	4.78	6
North Shewa(Oromia) Zone	237,011	188,291	228,996	0.97	1,285,551	4.59	6
Wara Jarso	25,009	19,469	23,308	0.93	140,322	5.05	8
Dera	35,035	24,416	26,787	0.76	132,560	4.52	5
Hidabu Abote	15,884	11,915	13,080	0.82	72,332	5.02	6
Kuyu	20,090	15,284	17,487	0.87	96,173	4.82	6
Degem	17,936	13,458	15,102	0.84	85,043	5.04	6
Gerar Jarso	13,163	11,645	13,217	1.00	73,204	4.86	6
Yaya Gulelena Debre Libano	16,566	13,620	16,361	0.99	89,776	4.50	6
Wuchalena Jido	22,017	18,530	22,455	1.02	125,400	4.62	6
Abichuna Gna'a	11,868	10,007	12,270	1.03	44,765	2.98	8
Kembibit	10,860	8,758	10,975	1.01	57,056	4.10	6
Berehna Aleltu	24,774	20,265	29,253	1.18	182,926	4.41	6
Mulona Sululta	23,810	20,924	28,701	1.21	185,993	4.69	7

TABLE 8.11A: - Number of Holders Reporting 'Wegel' -Tip Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Wegel' -Tip, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Wegel' -Tips Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Wegel' -Tip (Birr)	Average Duration of Service of 'Wegel' -Tip (Years)
East Shewa Zone	314,966	229,990	291,569	0.93	1,103,265	2.97	3
Fentale	6,677	3,764	3,929	0.59	25,819	6.26	4
Boset	24,837	18,314	23,759	0.96	60,290	1.96	3
Adama	26,906	19,128	24,225	0.90	83,767	2.74	2
Lome	14,564	11,202	17,237	1.18	75,327	2.89	4
Gimbichu	15,569	12,838	17,234	1.11	97,794	4.19	6
Ada'a Liben Chukala	40,176	29,941	45,436	1.13	200,034	2.97	3
Dugda Bora	28,844	23,554	31,282	1.08	85,720	2.05	4
Adami Tullu Jido Kombolcha	23,794	16,709	19,188	0.81	49,014	2.21	3
Arsi Negele	26,584	19,585	22,539	0.85	84,946	3.21	4
Shashemene	46,108	29,918	33,878	0.73	132,621	3.50	3
Seraro	48,209	35,034	38,015	0.79	136,894	3.32	3
Akaki	12,696	10,003	14,848	1.17	71,039	3.24	4
Arsi Zone	493,007	377,042	461,520	0.94	2,059,827	3.64	5
Merti	22,750	17,454	20,956	0.92	153,035	5.97	6
Aseko	14,396	10,577	14,218	0.99	88,758	5.41	6
Gololcha	29,178	19,764	20,578	0.71	103,939	4.76	4
Jeju	22,217	16,967	19,190	0.86	120,729	5.54	4
Dodotana Sire	22,887	16,792	21,802	0.95	100,323	3.49	6
Zeway Dugda	21,200	16,657	20,520	0.97	70,712	2.82	4
Hitosa	39,229	30,576	38,544	0.98	171,970	3.53	6
Sude	25,501	20,147	22,548	0.88	107,561	4.18	4
Chole	15,918	12,608	14,510	0.91	108,211	6.19	5
Amigna	11,176	9,463	11,563	1.03	43,568	3.05	4
Seru	18,205	15,359	17,848	0.98	78,533	3.73	5
Robe	27,062	21,989	26,169	0.97	100,479	3.21	5
Tena	20,684	15,922	18,623	0.90	71,216	3.26	5
Sherka	26,405	21,307	25,021	0.95	102,070	3.40	8
Digeluna Tijo	22,181	17,190	22,398	1.01	83,527	2.86	7
Tiyo	15,978	11,941	15,971	1.00	65,973	3.12	6
Munesa	35,171	27,104	35,300	1.00	146,344	3.20	5
Bekoji	35,995	28,601	37,568	1.04	143,680	2.75	7
Gedeb	24,847	20,414	27,542	1.11	98,177	2.63	6
Kofele	42,028	26,209	30,651	0.73	101,022	2.79	4
West Harerge Zone	291,356	175,645	189,995	0.65	1,127,788	5.43	5
Mieso	16,400	13,628	14,595	0.89	99,099	6.33	4
Doba	22,768	16,953	18,732	0.82	107,363	5.23	8
Tulo	24,329	12,517	12,974	0.53	67,124	4.99	5
Mesela	25,840	7,542	7,903	0.31	41,388	5.04	4
Chiro	62,368	30,157	31,656	0.51	180,783	5.39	5
Goba Koricha	20,014	15,902	18,112	0.90	152,324	7.39	4
Anchar	13,430	10,758	11,228	0.84	65,413	5.55	4
Habro	30,386	17,516	20,773	0.68	131,442	5.06	5
Darolebu	26,978	21,037	22,367	0.83	96,116	4.04	5
Boke	22,144	13,459	14,544	0.66	81,870	5.17	6
Kuni	26,701	16,177	17,110	0.64	104,865	5.79	5
East Harerge Zone	387,193	116,133	122,547	0.32	612,117	4.75	5
Kombolcha	20,710	1,650	1,702	0.08	15,241	8.65	4
Jarso	17,052	4,484	5,053	0.30	31,074	5.77	5
Gursum	25,567	13,530	14,081	0.55	52,440	3.60	2
Babile	10,237	7,713	8,317	0.81	44,177	4.95	2
Fedis	24,565	13,107	13,490	0.55	73,741	5.30	6
Haro Maya	31,404	2,525	2,714	0.09	19,187	6.05	7
Kurfa Chele	7,122	1,964	1,994	0.28	24,324	12.02	8
Kersa	27,745	7,881	8,241	0.30	42,977	4.94	5

TABLE 8.11A: - Number of Holders Reporting 'Wegel' -Tip Owned, Quantity Reported, Replacement Value, and Duration of Service of 'Wegel' -Tip, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Wegel' -Tips Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Wegel' -Tip (Birr)	Average Duration of Service of 'Wegel' -Tip (Years)
East Harerge Zone							
Meta	43,775	14,569	16,161	0.37	58,553	3.39	4
Goro Gutu	25,718	10,786	10,904	0.42	42,718	3.85	4
Deder	38,265	12,512	13,286	0.35	55,218	3.88	5
Malka Balo	24,930	5,888	6,183	0.25	30,350	4.67	6
Bedeno	43,356	9,154	9,693	0.22	60,363	5.91	9
Girawa	38,886	4,709	4,758	0.12	27,557	5.74	8
Gola Oda	7,861	5,660	5,971	0.76	34,197	5.41	8
Bale Zone	259,058	170,334	205,817	0.79	835,149	3.37	6
Kokosa	23,375	1,053	1,109	0.05	4,265	3.59	5
Dodola	23,650	14,842	20,059	0.85	62,592	2.27	6
Adaba	19,856	14,616	19,171	0.97	68,628	2.72	6
Agarfa	13,146	11,075	15,721	1.20	60,156	2.91	6
Gasera	12,088	8,933	10,755	0.89	51,941	3.99	5
Gololcha	14,914	12,098	14,544	0.98	61,301	3.41	7
Legehida	8,094	6,719	6,988	0.86	32,262	4.44	5
Ginir	21,653	17,811	21,056	0.97	73,539	2.95	6
Sinanana Dinsho	24,988	21,030	27,691	1.11	111,852	3.04	7
Goba	7,183	5,971	7,270	1.01	30,233	3.39	7
Mennana Arena Buluk	19,198	11,304	11,738	0.61	48,945	4.02	7
Nensebo	14,169	1,369	1,517	0.11	6,929	4.31	8
Meda Welabu	12,557	9,503	10,073	0.80	42,111	3.85	4
Berbere	10,213	7,104	7,473	0.73	36,576	4.65	7
Guradamole	4,160	3,484	3,688	0.89	22,514	5.72	6
Goro	15,934	14,200	17,503	1.10	85,384	3.93	7
Raytu	6,168	3,686	3,818	0.62	15,581	3.94	7
Seweyna	7,711	5,534	5,646	0.73	20,341	3.55	6
Borena Zone	283,104	97,206	117,380	0.41	588,714	4.24	4
Uraga	42,623	7,462	8,327	0.20	55,935	6.13	5
Bore	30,433	14,696	15,587	0.51	91,767	5.53	5
Adolana Wadera	22,616	15,497	18,287	0.81	87,083	4.12	4
Odo Shakiso	14,015	3,258	3,363	0.24	18,433	5.22	5
Hager Mariam	86,116	12,393	15,962	0.19	74,433	3.67	4
Yabelo	10,081	6,147	8,193	0.81	39,286	3.65	4
Arero	3,331	1,692	2,372	0.71	11,496	3.50	4
Liben	14,844	9,408	10,423	0.70	56,215	4.88	4
Moyale	10,736	6,256	8,721	0.81	43,814	3.60	3
Dire	13,719	9,672	13,442	0.98	49,229	2.67	4
Teltele	7,361	5,227	6,659	0.90	23,183	2.76	4
Gelana Abaya	27,229	5,497	6,044	0.22	37,842	5.68	7

TABLE 8.12A: -Number of Holders Reporting Yoke Owned, Quantity Reported, Replacement Value, and Duration of Service of Yoke, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Yokes Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Yoke (Birr)	Average Duration of Service of Yoke (Years)
Oromia Region	3,981,704	2,585,850	3,104,582	0.78	20,857,735	5.56	5
West Welega Zone	313,923	200,856	224,229	0.71	640,765	2.57	3
Mana Sibu	27,022	19,700	22,766	0.84	50,883	1.94	3
Nejo	17,916	12,788	14,503	0.81	28,804	1.74	3
Gimbi	17,096	10,263	10,980	0.64	39,973	3.43	3
Lalo Asabi	10,906	6,830	7,291	0.67	25,513	3.27	3
Boji	15,188	10,054	10,826	0.71	25,150	2.16	3
Ayra Guliso	16,371	11,188	12,447	0.76	34,147	2.47	3
Jarso	16,190	13,166	14,683	0.91	28,329	1.75	2
Gidami	13,636	8,252	9,313	0.68	31,741	3.01	3
Jimma Horo	6,869	5,261	6,204	0.90	16,076	2.14	2
Hawa Welel	17,315	10,613	12,321	0.71	39,134	2.73	3
Gawo Dale	23,820	16,583	18,896	0.79	52,109	2.42	2
Dale Sadi	11,117	7,590	8,482	0.76	17,560	1.84	3
Yubdo	5,640	4,071	4,587	0.81	13,431	2.60	3
Ganji	9,611	5,998	6,590	0.69	20,454	2.83	3
Haru	11,508	6,534	7,162	0.62	28,102	3.49	4
Nole Kaba	23,388	15,046	16,986	0.73	50,267	2.61	3
Lalo Kilie	7,900	5,716	6,420	0.81	14,591	2.00	3
Sayo	19,844	9,981	10,969	0.55	43,123	3.62	3
Anfilo	11,848	3,347	3,880	0.33	14,218	3.16	3
Begi	30,734	17,876	18,921	0.62	67,160	3.37	3
East Welega Zone	260,893	189,450	231,761	0.89	819,221	2.85	3
Limu	20,690	12,312	13,841	0.67	37,877	2.41	2
Ibantu	5,087	4,083	4,780	0.94	10,415	1.88	2
Gida Kiremu	22,168	15,417	18,285	0.82	56,738	2.62	2
Jarte	7,363	6,143	7,874	1.07	28,555	2.82	3
Amuru	7,739	6,100	7,952	1.03	30,235	2.90	2
Abe Dongoro	9,470	5,367	6,136	0.65	23,979	3.41	3
Jimma Horo	24,023	19,167	24,214	1.01	106,395	3.46	4
Abay Chomen	4,715	3,763	5,100	1.08	22,673	3.27	3
Guduru	21,520	16,127	21,046	0.98	96,985	3.42	3
Jimma Rare	7,738	5,972	7,518	0.97	38,069	3.99	3
Bila Seyo	13,470	9,667	11,800	0.88	37,659	2.59	2
Sibu Sire	15,203	11,229	13,376	0.88	49,004	3.10	3
Guto Wayu	28,487	20,139	23,627	0.83	71,146	2.56	3
Sasiga	11,346	7,205	8,145	0.72	25,487	2.76	3
Leka Dulecha	10,555	7,851	9,501	0.90	26,980	2.33	3
Diga	11,868	7,809	9,405	0.79	33,644	2.94	3
Jimma Arjo	13,333	9,858	12,398	0.93	31,885	2.04	3
Nunu Kumba	10,438	8,410	10,123	0.97	28,444	2.31	3
Wama Bonaya	15,680	12,830	16,640	1.06	63,052	2.91	4
Illibabor Zone	195,287	134,462	158,747	0.81	376,808	2.00	3
Darimu	22,324	13,789	16,824	0.75	33,321	1.58	3
Supena Sodo	13,139	8,762	9,950	0.76	18,801	1.66	3
Chora	19,554	13,370	15,726	0.80	38,573	2.06	3
Dega	10,191	7,862	9,821	0.96	20,783	1.70	2
Bedele	20,513	15,306	18,372	0.90	46,792	2.12	2
Gechi	10,893	8,362	9,523	0.87	22,134	2.02	2
Borecha Wereda	9,030	6,694	7,808	0.86	17,101	1.88	2
Dedesa	14,033	10,098	12,671	0.90	35,003	2.06	2
yayu	19,201	12,510	14,115	0.74	44,302	2.70	3
Metu	22,651	13,141	14,712	0.65	37,261	2.23	3

TABLE 8.12A: -Number of Holders Reporting Yoke Owned, Quantity Reported, Replacement Value, and Duration of Service of Yoke, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Yokes Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Yoke (Birr)	Average Duration of Service of Yoke (Years)
Illibabor Zone							
Ale	17,356	12,912	15,608	0.90	35,809	2.05	3
Bure	11,992	8,427	10,145	0.85	20,122	1.63	3
Nono	4,411	3,228	3,472	0.79	6,807	1.81	3
Jimma Zone	443,315	327,366	388,388	0.88	1,245,074	2.66	3
Limu Seka	29,245	24,343	27,401	0.94	96,012	3.05	3
Limu Kosa	45,921	35,516	41,273	0.90	168,794	3.47	3
Sokoru	25,586	19,555	23,390	0.91	73,696	2.61	3
Tiro Afeta	24,135	19,625	23,278	0.96	78,464	2.87	2
Kersa	29,474	25,860	30,689	1.04	114,759	3.13	2
Mana	27,816	16,241	17,531	0.63	56,145	2.97	3
Goma	49,523	26,643	31,234	0.63	100,297	2.75	2
Gera	20,803	16,853	20,118	0.97	75,756	3.13	2
Seka chekorsa	56,422	37,495	44,653	0.79	125,616	2.35	3
Dedo	54,035	43,376	52,551	0.97	136,944	1.98	2
Omonada	45,972	38,264	50,451	1.10	155,117	2.30	3
Sigmo	16,132	11,490	12,206	0.76	29,611	2.29	2
Setema	18,249	12,107	13,614	0.75	33,864	2.21	2
West Shewa Zone	502,591	366,701	452,864	0.90	3,385,144	5.97	5
Ginde Beret	33,630	25,278	30,474	0.91	183,285	4.98	5
Jeldu	33,701	24,683	28,839	0.86	196,349	5.77	5
Ambo	40,122	28,885	36,385	0.91	203,892	4.37	5
Cheliya	37,011	27,748	35,291	0.95	175,314	3.82	4
Bako Tibe	19,389	14,169	17,515	0.90	61,496	2.82	3
Dano	15,544	12,594	15,752	1.01	59,140	2.96	4
Nono	23,140	18,703	23,320	1.01	113,290	3.73	4
Tikur	12,596	7,570	8,130	0.65	43,844	5.04	4
Amaya	21,943	17,154	21,488	0.98	109,817	4.04	3
Wonchi	17,405	9,694	10,310	0.59	62,594	5.66	5
Dendi	37,106	26,259	32,143	0.87	221,452	5.57	6
Ejerie	15,219	11,264	14,602	0.96	126,996	6.62	7
Adda Berga	19,302	14,995	19,371	1.00	173,577	7.01	5
Walmara	17,073	12,653	17,595	1.03	181,482	7.31	6
Alem Gana	20,607	14,638	19,753	0.96	219,096	8.18	6
Kersana Kondaltiti	22,051	18,218	22,640	1.03	225,619	7.94	5
Tole	10,401	8,616	10,685	1.03	190,344	14.25	5
Elu	10,354	7,605	9,880	0.95	130,354	10.21	7
Dawo	13,068	10,594	12,924	0.99	153,599	9.74	6
Walisona Goro	35,633	20,998	24,559	0.69	171,163	5.97	6
Becho	11,294	8,937	11,427	1.01	165,022	11.37	7
Kokir	12,362	8,482	9,924	0.80	78,804	6.66	5
Meta Robi	23,639	16,964	19,858	0.84	138,616	6.02	6
North Shewa(Oromia) Zone	237,011	188,716	242,238	1.02	1,802,597	5.72	6
Wara Jarso	25,009	19,614	24,743	0.99	145,094	4.74	6
Dera	35,035	24,614	28,934	0.83	142,206	4.21	4
Hidabu Abote	15,884	11,787	13,328	0.84	78,426	5.17	5
Kuyu	20,090	15,219	18,823	0.94	97,496	4.19	5
Degem	17,936	13,458	15,902	0.89	112,887	5.96	6
Gerar Jarso	13,163	11,664	14,323	1.09	111,767	6.44	6
Yaya Gulelena Debre Libano	16,566	13,694	17,366	1.05	143,395	6.61	7
Wuchalena Jido	22,017	18,620	23,420	1.06	221,083	7.51	7
Abichuna Gna'a	11,868	10,021	12,764	1.08	84,739	5.19	8
Kembibit	10,860	8,756	11,064	1.02	102,987	7.28	6
Berehna Aleltu	24,774	20,458	30,508	1.23	286,786	6.19	6
Mulona Sululta	23,810	20,810	31,062	1.30	275,729	5.96	6

TABLE 8.12A: -Number of Holders Reporting Yoke Owned, Quantity Reported, Replacement Value, and Duration of Service of Yoke, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Yokes Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Yoke (Birr)	Average Duration of Service of Yoke (Years)
East Shewa Zone	314,966	233,768	296,220	0.94	2,964,008	7.91	6
Fentale	6,677	4,652	4,880	0.73	76,333	14.99	4
Boset	24,837	18,370	23,950	0.96	264,111	8.57	8
Adama	26,906	19,475	24,148	0.90	305,242	10.31	6
Lome	14,564	11,215	17,166	1.18	171,551	6.52	6
Gimbichu	15,569	12,926	17,999	1.16	194,171	7.68	8
Ada'a Liben Chukala	40,176	29,860	43,766	1.09	457,840	7.25	5
Dugda Bora	28,844	23,523	31,090	1.08	183,463	4.45	6
Adami Tullu Jido Kombolcha	23,794	17,740	20,847	0.88	174,972	6.89	6
Arsi Negele	26,584	19,503	22,648	0.85	226,979	8.66	7
Shashemene	46,108	29,632	33,302	0.72	333,120	8.89	6
Seraro	48,209	36,864	41,628	0.86	401,907	8.55	7
Akaki	12,696	10,007	14,797	1.17	174,318	8.05	6
Arsi Zone	493,007	377,234	468,738	0.95	3,946,589	6.72	8
Merti	22,750	17,323	20,757	0.91	155,982	6.33	7
Aseko	14,396	10,527	12,341	0.86	80,946	5.56	5
Gololcha	29,178	20,002	21,268	0.73	142,009	6.32	5
Jeju	22,217	16,943	19,281	0.87	197,159	8.83	5
Dodotana Sire	22,887	16,538	21,247	0.93	236,380	8.62	10
Zeway Dugda	21,200	16,457	20,086	0.95	205,001	8.38	9
Hitosa	39,229	30,276	38,848	0.99	446,505	8.97	10
Sude	25,501	20,560	23,937	0.94	152,577	5.43	7
Chole	15,918	12,619	14,887	0.94	123,106	7.00	7
Amigna	11,176	9,497	11,903	1.07	85,366	5.73	7
Seru	18,205	15,381	18,083	0.99	129,310	6.09	8
Robe	27,062	22,229	26,415	0.98	201,269	6.43	8
Tena	20,684	16,027	18,989	0.92	139,324	6.08	7
Sherka	26,405	21,122	25,612	0.97	211,808	6.78	10
Digeluna Tijo	22,181	17,291	23,768	1.07	181,201	5.43	8
Tiyo	15,978	11,844	15,674	0.98	184,530	8.87	7
Munesa	35,171	27,155	35,990	1.02	301,065	6.37	7
Bekoji	35,995	28,312	39,914	1.11	282,756	4.85	9
Gedeb	24,847	20,333	27,936	1.12	218,212	5.63	8
Kofele	42,028	26,801	31,803	0.76	272,082	7.14	9
West Harerge Zone	291,356	177,054	189,191	0.65	2,474,996	12.23	6
Mieso	16,400	13,591	14,530	0.89	226,692	14.54	4
Doba	22,768	16,898	18,144	0.80	189,298	9.71	8
Tulo	24,329	12,574	12,986	0.53	178,092	13.18	6
Mesela	25,840	8,066	8,322	0.32	75,370	8.81	5
Chiro	62,368	29,910	30,890	0.50	467,058	14.68	6
Goba Koricha	20,014	15,973	17,533	0.88	235,142	12.28	5
Anchar	13,430	10,819	11,539	0.86	102,911	8.36	4
Habro	30,386	17,480	20,550	0.68	254,963	10.23	7
Darolebu	26,978	21,216	22,238	0.82	214,382	9.20	4
Boke	22,144	13,858	14,910	0.67	204,714	12.82	5
Kuni	26,701	16,671	17,550	0.66	326,374	17.70	5
East Harerge Zone	387,193	120,673	125,158	0.32	1,047,297	8.04	5
Kombolcha	20,710	1,848	2,010	0.10	26,386	12.15	6
Jarso	17,052	4,526	4,687	0.27	42,470	8.59	5
Gursum	25,567	14,198	14,746	0.58	128,171	8.40	4
Babile	10,237	8,106	8,752	0.85	80,607	8.49	4
Fedis	24,565	13,439	13,920	0.57	123,462	8.55	5
Haro Maya	31,404	2,243	2,331	0.07	22,066	9.19	6
Kurfa Chele	7,122	2,080	2,127	0.30	16,567	7.61	6
Kersa	27,745	8,237	8,380	0.30	83,368	9.75	6

TABLE 8.12A: -Number of Holders Reporting Yoke Owned, Quantity Reported, Replacement Value, and Duration of Service of Yoke, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Yokes Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Yoke (Birr)	Average Duration of Service of Yoke (Years)
East Harerge Zone							
Meta	43,775	14,999	15,594	0.36	99,290	6.14	5
Goro Gutu	25,718	11,247	11,507	0.45	93,040	7.90	4
Deder	38,265	12,780	13,482	0.35	110,534	7.74	5
Malka Balo	24,930	6,361	6,638	0.27	63,875	9.26	5
Bedeno	43,356	9,778	9,778	0.23	67,031	6.86	7
Girawa	38,886	4,975	5,034	0.13	36,959	6.78	7
Gola Oda	7,861	5,854	6,169	0.78	53,470	8.34	4
Bale Zone	259,058	172,594	209,062	0.81	1,420,070	5.51	6
Kokosa	23,375	1,053	1,273	0.05	11,109	7.14	6
Dodola	23,650	15,026	20,583	0.87	117,091	4.19	7
Adaba	19,856	15,134	19,948	1.00	121,315	4.52	6
Agarfa	13,146	11,054	14,104	1.07	105,214	5.67	7
Gasera	12,088	8,896	10,765	0.89	111,525	8.62	6
Gololcha	14,914	12,112	14,597	0.98	102,500	5.74	8
Legehida	8,094	6,852	7,196	0.89	35,087	4.65	3
Ginir	21,653	17,587	20,973	0.97	149,834	5.83	6
Sinanana Dinsho	24,988	21,206	27,518	1.10	220,171	6.14	9
Goba	7,183	5,919	7,354	1.02	60,165	6.51	8
Mennana Arena Buluk	19,198	11,886	12,809	0.67	62,676	4.52	5
Nensebo	14,169	1,479	1,750	0.12	9,104	4.32	5
Meda Welabu	12,557	9,770	10,773	0.86	51,909	4.32	4
Berbere	10,213	7,379	7,998	0.78	45,164	5.35	5
Guradamole	4,160	3,547	3,986	0.96	23,332	5.14	4
Goro	15,934	14,316	17,470	1.10	143,622	6.56	6
Raytu	6,168	3,688	3,975	0.64	18,901	4.52	4
Seweyna	7,711	5,690	5,989	0.78	31,352	4.96	5
Borena Zone	283,104	96,977	117,986	0.42	735,166	5.26	4
Uraga	42,623	7,016	7,881	0.18	40,898	4.58	4
Bore	30,433	14,692	15,728	0.52	133,278	7.95	4
Adolana Wadera	22,616	14,989	17,516	0.77	108,230	5.44	4
Odo Shakiso	14,015	3,793	4,111	0.29	32,073	7.40	4
Hager Mariam	86,116	11,934	15,007	0.17	82,933	4.62	3
Yabelo	10,081	6,512	9,185	0.91	58,813	4.59	4
Arero	3,331	1,768	2,439	0.73	13,558	4.17	3
Liben	14,844	9,741	11,649	0.78	76,618	5.61	3
Moyale	10,736	6,172	8,048	0.75	68,739	6.65	3
Dire	13,719	9,675	13,611	0.99	59,113	3.05	4
Teltele	7,361	5,348	6,968	0.95	21,667	2.44	3
Gelana Abaya	27,229	5,337	5,842	0.21	39,246	5.99	5

TABLE 8.13A: -Number of Holders Reporting Sickle Owned, Quantity Reported, Replacement Value, and Duration of Service of Sickle, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Sickles Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Sickle (Birr)	Average Duration of Service of Sickle (Years)
Oromia Region	3,981,704	3,039,059	4,653,886	1.17	43,156,448	6.49	6
West Welega Zone	313,923	255,311	421,259	1.34	2,345,145	3.53	5
Mana Sibu	27,022	21,831	41,479	1.54	251,493	3.37	5
Nejo	17,916	16,425	34,879	1.95	84,600	1.14	4
Gimbi	17,096	13,909	21,699	1.27	99,166	2.91	4
Lalo Asabi	10,906	8,088	12,794	1.17	64,380	3.39	4
Boji	15,188	13,084	24,400	1.61	91,712	2.15	4
Ayra Guliso	16,371	14,070	19,807	1.21	127,341	4.62	4
Jarso	16,190	14,983	30,829	1.90	147,550	2.29	5
Gidami	13,636	11,611	18,940	1.39	115,769	3.69	5
Jimma Horo	6,869	6,141	9,567	1.39	60,742	4.06	6
Hawa Welel	17,315	13,520	18,793	1.09	139,548	6.29	6
Gawo Dale	23,820	19,874	29,980	1.26	198,733	4.43	5
Dale Sadi	11,117	9,942	14,194	1.28	74,370	3.73	5
Yubdo	5,640	5,116	8,123	1.44	51,216	3.99	5
Ganji	9,611	7,260	10,895	1.13	69,716	4.48	5
Haru	11,508	8,666	14,799	1.29	72,935	2.84	5
Nole Kaba	23,388	20,706	33,553	1.43	183,972	3.36	5
Lalo Kilie	7,900	6,538	9,729	1.23	45,480	3.10	4
Sayo	19,844	13,101	17,566	0.89	128,341	5.57	5
Anfilo	11,848	5,354	8,720	0.74	68,206	5.02	5
Begi	30,734	25,090	40,515	1.32	269,875	4.05	5
East Welega Zone	260,893	234,349	483,800	1.85	2,390,672	2.38	5
Limu	20,690	18,656	37,547	1.81	211,091	2.54	4
Ibantu	5,087	4,929	11,552	2.27	63,717	2.30	4
Gida Kiremu	22,168	20,239	48,424	2.18	212,811	1.83	4
Jarte	7,363	6,888	17,236	2.34	106,869	2.53	4
Amuru	7,739	7,283	18,756	2.42	67,322	1.42	4
Abe Dongoro	9,470	8,205	15,500	1.64	105,091	3.65	6
Jimma Horo	24,023	21,702	42,350	1.76	279,063	3.38	5
Abay Chomen	4,715	4,216	9,026	1.91	80,579	4.17	5
Guduru	21,520	20,034	39,625	1.84	262,499	3.38	5
Jimma Rare	7,738	7,325	12,804	1.65	69,417	3.09	5
Bila Seyo	13,470	11,904	21,493	1.60	90,872	2.32	5
Sibu Sire	15,203	13,408	27,175	1.79	117,668	2.13	5
Guto Wayu	28,487	24,505	48,909	1.72	174,488	1.80	5
Sasiga	11,346	8,925	16,625	1.47	87,635	2.88	6
Leka Dulecha	10,555	9,905	20,323	1.93	66,296	1.52	5
Diga	11,868	10,637	20,805	1.75	91,203	2.27	5
Jimma Arjo	13,333	11,753	26,218	1.97	97,303	1.56	5
Nunu Kumba	10,438	9,654	19,485	1.87	53,717	1.35	5
Wama Bonaya	15,680	14,181	29,946	1.91	153,031	2.36	5
Illibabor Zone	195,287	148,720	212,702	1.09	979,032	3.21	6
Darimu	22,324	16,568	20,696	0.93	95,133	3.66	6
Supena Sodo	13,139	11,430	16,757	1.28	63,088	2.50	6
Chora	19,554	17,302	24,562	1.26	118,086	3.33	6
Dega	10,191	9,540	17,269	1.69	58,275	1.99	4
Bedele	20,513	15,309	25,927	1.26	107,956	2.34	5
Gechi	10,893	9,880	15,926	1.46	63,914	2.47	5
Borecha Wereda	9,030	7,965	11,615	1.29	53,450	3.14	5
Dedesa	14,033	11,138	16,623	1.18	86,070	3.50	6
yayu	19,201	14,326	18,948	0.99	130,566	5.14	7
Metu	22,651	14,827	18,543	0.82	69,442	2.89	7

TABLE 8.13A: -Number of Holders Reporting Sickle Owned, Quantity Reported, Replacement Value, and Duration of Service of Sickle, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Sickles Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Sickle (Birr)	Average Duration of Service of Sickle (Years)
Illibabor Zone							
Ale	17,356	10,886	13,866	0.80	82,533	4.54	9
Bure	11,992	8,222	10,385	0.87	41,982	3.14	8
Nono	4,411	1,327	1,584	0.36	8,537	4.49	8
Jimma Zone	443,315	341,254	450,997	1.02	4,897,882	8.41	6
Limu Seka	29,245	24,065	37,084	1.27	240,666	4.55	4
Limu Kosa	45,921	34,914	46,480	1.01	515,689	8.58	6
Sokoru	25,586	22,537	35,643	1.39	406,716	7.91	5
Tiro Afeta	24,135	20,657	30,420	1.26	289,396	6.59	5
Kersa	29,474	25,567	33,091	1.12	563,483	13.11	6
Mana	27,816	17,848	20,913	0.75	245,493	9.98	7
Goma	49,523	30,566	37,654	0.76	311,030	6.80	6
Gera	20,803	16,782	22,276	1.07	189,621	6.33	5
Seka chekorsa	56,422	39,790	49,812	0.88	556,320	9.28	7
Dedo	54,035	41,840	49,159	0.91	618,301	10.49	6
Omonada	45,972	38,678	51,921	1.13	750,144	10.86	5
Sigmo	16,132	12,908	17,027	1.06	102,897	4.47	4
Setema	18,249	15,102	19,517	1.07	108,126	4.29	4
West Shewa Zone	502,591	450,129	839,782	1.67	6,231,988	4.22	5
Ginde Beret	33,630	30,993	65,392	1.94	326,979	2.39	6
Jeldu	33,701	31,055	56,792	1.69	357,601	3.75	5
Ambo	40,122	35,831	66,389	1.65	383,299	3.21	5
Cheliya	37,011	34,243	65,988	1.78	349,206	2.71	6
Bako Tibe	19,389	17,255	32,067	1.65	150,869	2.52	6
Dano	15,544	13,891	27,116	1.74	145,389	2.88	5
Nono	23,140	20,872	33,108	1.43	325,931	6.20	5
Tikur	12,596	10,845	13,802	1.10	102,532	5.78	5
Amaya	21,943	19,900	32,241	1.47	455,665	9.12	5
Wonchi	17,405	15,279	21,018	1.21	231,665	8.03	4
Dendi	37,106	33,934	66,295	1.79	367,013	2.95	6
Ejerie	15,219	13,130	29,804	1.96	182,627	2.75	6
Adda Berga	19,302	17,882	37,679	1.95	236,478	3.04	5
Walmara	17,073	15,635	33,698	1.97	244,910	3.32	5
Alem Gana	20,607	17,835	33,641	1.63	354,980	5.90	5
Kersana Kondaltiti	22,051	18,866	27,983	1.27	455,238	11.31	5
Tole	10,401	8,963	13,303	1.28	222,932	11.36	3
Elu	10,354	8,682	17,791	1.72	159,571	4.41	5
Dawo	13,068	11,756	22,427	1.72	145,258	3.54	5
Walisona Goro	35,633	30,727	62,006	1.74	456,438	3.66	4
Becho	11,294	10,003	18,698	1.66	198,221	5.96	5
Kokir	12,362	11,159	17,468	1.41	166,374	6.44	4
Meta Robi	23,639	21,393	45,079	1.91	212,813	2.24	6
North Shewa(Oromia) Zone	237,011	222,014	460,630	1.94	3,618,389	3.75	5
Wara Jarso	25,009	23,867	51,329	2.05	286,851	2.60	6
Dera	35,035	32,863	57,335	1.64	237,437	2.38	5
Hidabu Abote	15,884	14,796	26,404	1.66	137,999	2.93	6
Kuyu	20,090	18,706	38,083	1.90	175,927	2.25	6
Degem	17,936	16,953	32,904	1.83	188,614	3.05	6
Gerar Jarso	13,163	12,618	28,794	2.19	187,004	2.86	5
Yaya Gulelena Debre Libano	16,566	15,585	34,796	2.10	218,270	2.83	6
Wuchalena Jido	22,017	20,870	51,365	2.33	461,108	3.80	6
Abichuna Gna'a	11,868	11,323	27,482	2.32	229,628	3.44	6
Kembibit	10,860	9,962	20,585	1.90	320,003	7.49	4
Berehna Aleltu	24,774	22,351	45,685	1.84	741,660	7.89	4
Mulona Sululta	23,810	22,118	45,869	1.93	433,888	4.59	7

TABLE 8.13A: -Number of Holders Reporting Sickle Owned, Quantity Reported, Replacement Value, and Duration of Service of Sickle, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Sickles Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Sickle (Birr)	Average Duration of Service of Sickle (Years)
East Harerge Zone							
Meta	43,775	28,458	31,248	0.71	302,191	9.02	6
Goro Gutu	25,718	12,707	13,385	0.52	131,760	9.37	7
Deder	38,265	25,867	27,118	0.71	280,589	9.81	6
Malka Balo	24,930	13,346	13,994	0.56	202,709	13.72	8
Bedeno	43,356	27,664	29,117	0.67	322,544	10.51	8
Girawa	38,886	23,800	24,417	0.63	235,478	9.55	8
Gola Oda	7,861	1,735	1,909	0.24	26,053	12.18	9
Bale Zone	259,058	193,360	257,839	1.00	3,116,405	9.02	7
Kokosa	23,375	6,095	7,314	0.31	58,829	6.41	6
Dodola	23,650	18,430	26,525	1.12	266,800	6.99	7
Adaba	19,856	16,576	24,800	1.25	274,292	7.33	6
Agarfa	13,146	10,623	15,394	1.17	185,652	8.17	6
Gasera	12,088	9,584	12,378	1.02	220,043	13.61	5
Gololcha	14,914	11,966	16,830	1.13	252,507	10.53	9
Legehida	8,094	5,465	6,044	0.75	100,504	14.99	6
Ginir	21,653	17,517	22,429	1.04	346,122	11.91	7
Sinanana Dinsho	24,988	21,688	32,290	1.29	316,609	6.33	8
Goba	7,183	6,337	9,127	1.27	92,150	7.06	7
Mennana Arena Buluk	19,198	15,825	19,360	1.01	176,285	7.37	7
Nensebo	14,169	8,551	9,948	0.70	106,354	9.17	9
Meda Welabu	12,557	10,458	12,835	1.02	118,169	7.45	6
Berbere	10,213	8,406	10,917	1.07	146,257	10.13	6
Guradamole	4,160	3,368	3,755	0.90	51,286	12.17	7
Goro	15,934	14,562	18,893	1.19	291,711	12.00	8
Raytu	6,168	3,271	3,981	0.65	41,772	8.77	9
Seweyna	7,711	4,638	5,018	0.65	71,066	13.22	7
Borena Zone	283,104	145,900	189,696	0.67	1,648,012	6.72	6
Uraga	42,623	19,893	22,590	0.53	202,636	7.96	6
Bore	30,433	24,149	28,367	0.93	308,971	9.30	5
Adolana Wadera	22,616	20,904	33,048	1.46	301,290	6.01	4
Odo Shakiso	14,015	11,641	17,305	1.23	166,630	6.61	7
Hager Mariam	86,116	26,964	33,204	0.39	218,161	5.14	6
Yabelo	10,081	4,152	6,229	0.62	58,572	6.77	6
Arero	3,331	1,157	1,775	0.53	14,313	5.21	6
Liben	14,844	9,800	12,883	0.87	130,063	7.53	5
Moyale	10,736	6,594	9,082	0.85	57,404	4.70	5
Dire	13,719	5,787	7,840	0.57	45,764	4.25	7
Teltele	7,361	2,146	2,775	0.38	18,657	5.13	6
Gelana Abaya	27,229	12,712	14,597	0.54	125,552	7.47	7

TABLE 8.13A: -Number of Holders Reporting Sickle Owned, Quantity Reported, Replacement Value, and Duration of Service of Sickle, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Sickles Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Sickle (Birr)	Average Duration of Service of Sickle (Years)
East Shewa Zone	314,966	214,232	298,381	0.95	3,603,415	8.78	5
Fentale	6,677	4,540	6,148	0.92	91,887	11.04	4
Boset	24,837	15,615	20,282	0.82	251,616	9.67	5
Adama	26,906	19,991	30,794	1.14	420,447	9.51	4
Lome	14,564	11,338	18,040	1.24	284,511	9.94	7
Gimbichu	15,569	13,021	20,109	1.29	341,765	10.96	4
Ada'a Liben Chukala	40,176	32,217	55,936	1.39	656,902	7.55	5
Dugda Bora	28,844	23,904	32,780	1.14	247,711	5.41	5
Adami Tullu Jido Kombolcha	23,794	12,213	14,717	0.62	100,636	5.42	4
Arsi Negele	26,584	16,863	19,217	0.72	256,419	11.76	5
Shashemene	46,108	28,345	32,307	0.70	408,611	11.16	4
Seraro	48,209	25,334	30,017	0.62	249,989	7.29	5
Akaki	12,696	10,851	18,035	1.42	292,923	9.88	4
Arsi Zone	493,007	407,590	573,916	1.16	7,810,860	9.78	6
Merti	22,750	19,608	27,742	1.22	441,233	11.07	6
Aseko	14,396	11,553	15,836	1.10	241,303	11.21	7
Gololcha	29,178	20,104	21,910	0.75	328,461	13.74	6
Jeju	22,217	17,687	22,526	1.01	368,061	12.81	4
Dodotana Sire	22,887	18,554	25,363	1.11	421,177	12.10	5
Zeway Dugda	21,200	17,001	21,923	1.03	251,368	8.98	6
Hitosa	39,229	33,114	46,639	1.19	748,768	11.36	5
Sude	25,501	21,422	27,177	1.07	441,618	12.77	4
Chole	15,918	13,260	19,774	1.24	307,753	10.80	6
Amigna	11,176	8,964	12,300	1.10	164,524	9.73	4
Seru	18,205	13,335	18,501	1.02	262,661	10.36	5
Robe	27,062	23,002	30,647	1.13	444,475	11.04	4
Tena	20,684	17,567	23,675	1.14	263,490	8.28	5
Sherka	26,405	20,978	30,297	1.15	364,521	8.41	8
Digeluna Tijo	22,181	19,428	31,525	1.42	371,061	7.29	7
Tiyo	15,978	13,214	19,835	1.24	318,353	10.75	5
Munesa	35,171	29,865	43,833	1.25	684,179	10.84	7
Bekoji	35,995	32,017	50,936	1.42	519,336	6.52	7
Gedeb	24,847	22,410	32,948	1.33	401,139	8.18	7
Kofele	42,028	34,507	50,529	1.20	467,379	6.36	6
West Harerge Zone	291,356	209,702	230,890	0.79	4,010,903	15.83	6
Mieso	16,400	8,232	9,824	0.60	177,007	15.20	5
Doba	22,768	18,254	20,765	0.91	330,426	13.97	8
Tulo	24,329	21,696	24,751	1.02	327,293	11.53	5
Mesela	25,840	15,370	16,057	0.62	253,392	15.08	6
Chiro	62,368	46,642	49,132	0.79	901,470	17.54	6
Goba Koricha	20,014	11,340	13,313	0.67	259,183	16.84	6
Anchar	13,430	11,594	12,730	0.95	243,055	17.51	7
Habro	30,386	21,714	25,171	0.83	470,386	15.98	6
Darolebu	26,978	18,012	18,770	0.70	349,270	17.93	6
Boke	22,144	14,496	15,476	0.70	247,379	14.94	5
Kuni	26,701	22,351	24,901	0.93	452,041	16.40	5
East Harerge Zone	387,193	216,499	233,994	0.60	2,503,744	9.95	6
Kombolcha	20,710	16,330	17,769	0.86	241,787	12.55	4
Jarso	17,052	10,741	11,771	0.69	116,436	8.84	5
Gursum	25,567	12,527	14,521	0.57	147,086	8.61	6
Babile	10,237	1,122	1,277	0.12	13,967	9.91	6
Fedis	24,565	1,570	1,630	0.07	17,150	10.09	8
Haro Maya	31,404	15,919	18,896	0.60	150,144	6.77	6
Kurfa Chele	7,122	4,377	4,647	0.65	71,121	14.36	8
Kersa	27,745	20,335	22,296	0.80	244,728	10.10	5

TABLE 8.14A: - Number of Holders Reporting Hay-Fork (Metal) Owned, Quantity Reported, Replacement Value, and Duration of Service of Hay-Fork, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Hay-Forks Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Hay-Fork (Birr)	Average Duration of Service of Hay-Fork (Years)
Oromia Region	3,981,704	321,442	394,572	0.10	5,989,744	12.38	10
West Welega Zone	313,923	1,068	1,740	0.01	4,514	1.81	3
Mana Sibu	27,022	*	*	-	*	*	*
Nejo	17,916	*	*	-	*	*	*
Gimbi	17,096	*	*	-	*	*	*
Lalo Asabi	10,906	*	*	-	*	*	*
Boji	15,188	*	*	-	*	*	*
Ayra Guliso	16,371	106	106	0.01	297	2.80	4
Jarso	16,190	135	211	0.01	224	0.78	1
Gidami	13,636	*	*	-	*	*	*
Jimma Horo	6,869	-	-	-	-	-	-
Hawa Welel	17,315	-	-	-	-	-	-
Gawo Dale	23,820	*	*	-	*	*	*
Dale Sadi	11,117	-	-	-	-	-	-
Yubdo	5,640	*	*	-	*	*	*
Ganji	9,611	*	*	-	*	*	*
Haru	11,508	*	*	-	*	*	*
Nole Kaba	23,388	194	*	-	*	*	3
Lalo Kilie	7,900	-	-	-	-	-	-
Sayo	19,844	*	*	-	*	*	*
Anfilo	11,848	*	*	-	*	*	*
Begi	30,734	-	-	-	-	-	-
East Welega Zone	260,893	2,043	3,234	0.01	8,826	1.90	4
Limu	20,690	112	*	-	*	*	*
Ibantu	5,087	54	88	0.02	93	0.72	2
Gida Kiremu	22,168	143	173	0.01	*	*	7
Jarte	7,363	88	134	0.02	600	*	*
Amuru	7,739	91	133	0.02	361	2.11	*
Abe Dongoro	9,470	52	92	0.01	*	*	*
Jimma Horo	24,023	156	*	-	*	*	*
Abay Chomen	4,715	54	108	0.02	173	0.95	2
Guduru	21,520	184	*	-	*	*	*
Jimma Rare	7,738	56	89	0.01	279	*	3
Bila Seyo	13,470	321	339	0.03	1,184	3.39	*
Sibu Sire	15,203	*	*	-	*	*	*
Guto Wayu	28,487	*	*	-	*	*	*
Sasiga	11,346	*	*	-	-	-	-
Leka Dulecha	10,555	*	*	-	*	*	*
Diga	11,868	230	281	0.02	848	2.44	5
Jimma Arjo	13,333	191	334	0.03	*	1.63	3
Nunu Kumba	10,438	*	*	-	*	*	*
Wama Bonaya	15,680	*	*	-	*	*	*
Illibabor Zone	195,287	853	1,102	0.01	3,056	2.36	8
Darimu	22,324	-	-	-	-	-	-
Supena Sodo	13,139	69	*	-	*	*	*
Chora	19,554	*	*	-	*	*	*
Dega	10,191	*	*	-	*	*	*
Bedele	20,513	169	*	-	*	*	*
Gechi	10,893	85	129	0.01	83	*	*
Borecha Wereda	9,030	*	*	-	*	*	*
Dedesa	14,033	-	-	-	-	-	-
yayu	19,201	*	*	-	*	*	*
Metu	22,651	*	*	-	*	*	*

TABLE 8.14A: - Number of Holders Reporting Hay-Fork (Metal) Owned, Quantity Reported, Replacement Value, and Duration of Service of Hay-Fork, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Hay-Forks Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Hay-Fork (Birr)	Average Duration of Service of Hay-Fork (Years)
Illibabor Zone							
Ale	17,356	*	*	-	*	*	*
Bure	11,992	*	*	-	*	*	*
Nono	4,411	*	*	-	*	*	*
Jimma Zone	443,315	1,701	1,758	0.00	9,975	5.63	9
Limu Seka	29,245	*	*	-	*	*	*
Limu Kosa	45,921	*	*	-	*	*	*
Sokoru	25,586	*	*	-	*	*	*
Tiro Afeta	24,135	152	152	0.01	*	*	3
Kersa	29,474	*	*	-	*	*	*
Mana	27,816	*	*	-	*	*	*
Goma	49,523	*	*	-	*	*	*
Gera	20,803	195	252	0.01	*	*	*
Seka chekorsa	56,422	*	*	-	*	*	*
Dedo	54,035	*	*	-	*	*	*
Omonada	45,972	296	296	0.01	731	2.47	*
Sigmo	16,132	-	-	-	-	-	-
Setema	18,249	*	*	-	*	*	*
West Shewa Zone	502,591	20,595	26,053	0.05	357,903	11.01	10
Ginde Beret	33,630	219	304	0.01	*	0.87	4
Jeldu	33,701	565	697	0.02	*	9.89	8
Ambo	40,122	*	*	-	*	*	*
Cheliya	37,011	*	*	-	*	*	*
Bako Tibe	19,389	*	*	-	*	*	*
Dano	15,544	*	*	-	*	*	*
Nono	23,140	*	*	-	*	*	*
Tikur	12,596	60	60	0.00	*	*	*
Amaya	21,943	544	680	0.03	*	*	*
Wonchi	17,405	115	*	-	*	*	*
Dendi	37,106	*	*	-	*	*	*
Ejerie	15,219	1,199	1,393	0.09	15,566	10.15	14
Adda Berga	19,302	259	437	0.02	*	*	9
Walmara	17,073	4,515	6,222	0.36	89,884	10.20	12
Alem Gana	20,607	5,684	7,037	0.34	122,268	14.19	9
Kersana Kondaltiti	22,051	1,231	1,598	0.07	24,950	12.31	6
Tole	10,401	709	778	0.07	13,732	15.60	6
Elu	10,354	478	514	0.05	8,388	15.44	10
Dawo	13,068	358	428	0.03	6,170	12.48	8
Walisona Goro	35,633	305	351	0.01	*	*	*
Becho	11,294	713	767	0.07	12,796	15.47	12
Kokir	12,362	140	140	0.01	1,540	11.00	10
Meta Robi	23,639	613	700	0.03	9,146	11.10	*
North Shewa(Oromia) Zone	237,011	11,672	14,337	0.06	224,509	12.74	10
Wara Jarso	25,009	131	167	0.01	*	*	*
Dera	35,035	*	*	-	*	*	*
Hidabu Abote	15,884	*	*	-	*	*	*
Kuyu	20,090	*	*	-	*	*	*
Degem	17,936	338	366	0.02	6,266	15.23	13
Gerar Jarso	13,163	326	361	0.03	5,655	14.47	11
Yaya Gulelena Debre Libano	16,566	397	419	0.03	5,380	12.08	10
Wuchalena Jido	22,017	682	771	0.04	12,710	14.53	10
Abichuna Gna'a	11,868	528	574	0.05	6,071	9.81	10
Kembibit	10,860	472	484	0.04	7,983	16.00	7
Berehna Aleltu	24,774	5,563	6,928	0.28	112,740	13.00	9
Mulona Sululta	23,810	2,862	3,710	0.16	61,507	12.77	11

TABLE 8.14A: - Number of Holders Reporting Hay-Fork (Metal) Owned, Quantity Reported, Replacement Value, and Duration of Service of Hay-Fork, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Hay-Forks Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Hay-Fork (Birr)	Average Duration of Service of Hay-Fork (Years)
East Shewa Zone	314,966	79,955	103,934	0.33	1,676,873	12.41	8
Fentale	6,677	*	*	-	*	*	*
Boset	24,837	5,936	7,353	0.30	104,439	11.67	10
Adama	26,906	13,587	18,198	0.68	285,939	12.28	8
Lome	14,564	8,957	13,080	0.90	223,749	11.77	9
Gimbichu	15,569	7,638	9,854	0.63	172,211	13.44	9
Ada'a Liben Chukala	40,176	15,531	21,178	0.53	377,794	13.07	8
Dugda Bora	28,844	10,267	12,217	0.42	119,050	7.82	8
Adami Tullu Jido Kombolcha	23,794	2,182	2,524	0.11	28,207	9.58	7
Arsi Negele	26,584	4,805	5,572	0.21	105,852	15.82	8
Shashemene	46,108	3,665	3,805	0.08	75,927	19.24	7
Seraro	48,209	394	636	0.01	*	*	13
Akaki	12,696	6,957	9,443	0.74	173,004	13.71	8
Arsi Zone	493,007	166,791	200,712	0.41	3,140,492	12.98	11
Merti	22,750	2,079	2,307	0.10	41,802	16.23	11
Aseko	14,396	746	1,000	0.07	19,769	14.79	9
Gololcha	29,178	169	169	0.01	*	*	7
Jeju	22,217	4,730	5,690	0.26	99,938	15.25	7
Dodotana Sire	22,887	11,069	13,624	0.60	253,621	15.23	13
Zeway Dugda	21,200	7,411	8,052	0.38	110,021	12.81	11
Hitosa	39,229	23,792	30,234	0.77	527,231	13.67	13
Sude	25,501	3,459	3,701	0.15	66,495	16.92	8
Chole	15,918	1,078	1,229	0.08	25,029	18.07	12
Amigna	11,176	1,775	1,884	0.17	30,734	15.27	9
Seru	18,205	3,859	4,145	0.23	69,520	15.87	11
Robe	27,062	5,940	6,419	0.24	109,752	15.80	10
Tena	20,684	5,150	5,825	0.28	63,755	9.45	11
Sherka	26,405	6,752	7,859	0.30	104,956	11.49	12
Digeluna Tijo	22,181	14,139	17,813	0.80	245,833	10.92	11
Tiyo	15,978	10,014	13,492	0.84	233,478	12.89	12
Munesa	35,171	16,131	19,387	0.55	349,805	15.04	11
Bekoji	35,995	20,791	25,798	0.72	332,459	10.27	12
Gedeb	24,847	15,189	18,035	0.73	259,142	11.95	10
Kofele	42,028	12,519	14,052	0.33	195,254	12.44	11
West Harerge Zone	291,356	4,415	4,701	0.02	81,511	16.12	13
Mieso	16,400	614	736	0.04	16,678	19.22	14
Doba	22,768	580	580	0.03	8,367	14.43	14
Tulo	24,329	*	*	-	*	*	*
Mesela	25,840	*	*	-	*	*	*
Chiro	62,368	*	*	-	*	*	*
Goba Koricha	20,014	179	207	0.01	*	21.32	13
Anchar	13,430	79	79	0.01	*	*	*
Habro	30,386	390	422	0.01	3,767	8.55	7
Darolebu	26,978	*	*	-	*	*	*
Boke	22,144	427	427	0.02	5,844	13.69	9
Kuni	26,701	339	*	-	*	*	*
East Harerge Zone	387,193	4,138	4,293	0.01	33,497	7.63	8
Kombolcha	20,710	*	*	-	*	*	*
Jarso	17,052	187	217	0.01	827	3.39	4
Gursum	25,567	302	354	0.01	1,408	3.47	3
Babile	10,237	90	90	0.01	*	*	*
Fedis	24,565	179	205	0.01	1,060	*	*
Haro Maya	31,404	1,373	1,373	0.04	15,150	11.03	7
Kurfa Chele	7,122	80	99	0.01	334	2.78	*
Kersa	27,745	394	394	0.01	4,357	11.06	7

TABLE 8.14A: - Number of Holders Reporting Hay-Fork (Metal) Owned, Quantity Reported, Replacement Value, and Duration of Service of Hay-Fork, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Hay-Forks Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Hay-Fork (Birr)	Average Duration of Service of Hay-Fork (Years)
East Harerge Zone							
Meta	43,775	255	255	0.01	1,054	4.13	*
Goro Gutu	25,718	*	*	-	*	*	*
Deder	38,265	*	*	-	*	*	*
Malka Balo	24,930	254	254	0.01	2,768	10.90	6
Bedeno	43,356	293	293	0.01	*	*	*
Girawa	38,886	230	230	0.01	*	*	*
Gola Oda	7,861	*	*	-	*	*	*
Bale Zone	259,058	27,943	32,277	0.12	446,140	11.97	10
Kokosa	23,375	*	*	-	*	*	*
Dodola	23,650	7,461	9,330	0.39	127,331	10.86	9
Adaba	19,856	6,966	8,369	0.42	112,950	11.40	8
Agarfa	13,146	2,775	2,991	0.23	45,839	14.24	11
Gasera	12,088	971	996	0.08	18,474	17.97	10
Gololcha	14,914	571	620	0.04	11,397	17.02	16
Legehida	8,094	63	75	0.01	248	3.14	3
Ginir	21,653	512	529	0.02	*	*	16
Sinanana Dinsho	24,988	6,529	7,040	0.28	88,466	11.61	12
Goba	7,183	932	1,016	0.14	14,130	12.35	10
Mennana Arena Buluk	19,198	142	142	0.01	*	*	*
Nensebo	14,169	174	194	0.01	*	*	5
Meda Welabu	12,557	*	*	-	*	*	*
Berbere	10,213	*	*	-	*	*	*
Guradamole	4,160	24	24	0.01	*	*	*
Goro	15,934	544	665	0.04	12,261	14.73	10
Raytu	6,168	-	-	-	-	-	-
Seweyna	7,711	*	*	-	*	*	*
Borena Zone	283,104	269	430	0.00	2,449	3.78	5
Uraga	42,623	-	-	-	-	-	-
Bore	30,433	-	-	-	-	-	-
Adolana Wadera	22,616	*	*	-	*	*	*
Odo Shakiso	14,015	-	-	-	-	-	-
Hager Mariam	86,116	-	-	-	-	-	-
Yabelo	10,081	*	*	-	*	*	*
Arero	3,331	*	*	-	*	*	-
Liben	14,844	*	*	-	*	*	*
Moyale	10,736	-	-	-	-	-	-
Dire	13,719	*	*	-	*	*	*
Teltele	7,361	13	25	0.00	38	0.76	2
Gelana Abaya	27,229	-	-	-	-	-	-

TABLE 8.15A: - Number of Holders Reporting Hay-Fork (Wood) Owned, Quantity Reported, Replacement Value, and Duration of Service of Hay-Fork, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Hay-Forks Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Hay-Fork (Birr)	Average Duration of Service of Hay-Fork (Years)
Oromia Region	3,981,704	1,229,590	1,924,887	0.48	6,310,750	2.29	4
West Welega Zone	313,923	56,416	106,665	0.34	95,291	0.61	2
Mana Sibu	27,022	9,010	15,337	0.57	13,954	0.54	2
Nejo	17,916	9,579	22,629	1.26	17,877	0.34	2
Gimbi	17,096	2,424	5,250	0.31	6,836	0.56	2
Lalo Asabi	10,906	1,555	2,549	0.23	2,228	0.58	3
Boji	15,188	4,384	9,982	0.66	8,218	0.35	2
Ayra Guliso	16,371	492	888	0.05	571	0.35	2
Jarso	16,190	9,399	17,162	1.06	14,181	0.52	2
Gidami	13,636	916	1,267	0.09	636	*	1
Jimma Horo	6,869	771	1,340	0.20	1,533	0.58	2
Hawa Welel	17,315	516	615	0.04	921	1.21	3
Gawo Dale	23,820	1,942	2,531	0.11	4,451	1.39	2
Dale Sadi	11,117	576	*	-	666	*	2
Yubdo	5,640	1,095	1,628	0.29	1,194	0.50	1
Ganji	9,611	1,874	3,592	0.37	3,876	0.60	1
Haru	11,508	1,646	3,723	0.32	3,666	0.43	2
Nole Kaba	23,388	8,404	13,939	0.60	10,701	0.47	2
Lalo Kilie	7,900	*	*	-	*	*	*
Sayo	19,844	651	1,145	0.06	1,533	*	3
Anfilo	11,848	*	*	-	*	*	*
Begi	30,734	*	*	-	*	*	*
East Welega Zone	260,893	131,597	270,044	1.04	408,422	0.75	2
Limu	20,690	7,302	16,333	0.79	17,146	0.47	2
Ibantu	5,087	3,090	6,420	1.26	6,453	0.46	2
Gida Kiremu	22,168	12,172	24,390	1.10	28,557	0.59	2
Jarte	7,363	5,557	10,615	1.44	17,664	0.86	2
Amuru	7,739	5,556	9,844	1.27	15,761	0.90	2
Abe Dongoro	9,470	3,383	5,933	0.63	9,137	0.89	2
Jimma Horo	24,023	16,985	37,832	1.57	65,386	0.80	2
Abay Chomen	4,715	3,384	7,739	1.64	13,592	0.76	2
Guduru	21,520	13,657	26,073	1.21	51,562	1.06	2
Jimma Rare	7,738	5,574	12,648	1.63	28,293	0.99	3
Bila Seyo	13,470	5,752	10,370	0.77	18,165	0.93	2
Sibu Sire	15,203	8,574	16,117	1.06	25,640	0.84	2
Guto Wayu	28,487	12,312	26,355	0.93	34,872	0.65	2
Sasiga	11,346	2,882	5,627	0.50	7,537	0.75	3
Leka Dulecha	10,555	6,475	14,108	1.34	15,902	0.49	2
Diga	11,868	4,709	9,994	0.84	14,841	0.69	2
Jimma Arjo	13,333	6,980	15,390	1.15	18,349	0.54	3
Nunu Kumba	10,438	3,064	5,742	0.55	5,823	0.56	3
Wama Bonaya	15,680	4,186	8,516	0.54	13,740	0.76	3
Illibabor Zone	195,287	41,886	74,406	0.38	61,577	0.49	2
Darimu	22,324	494	557	0.02	196	0.32	1
Supena Sodo	13,139	4,755	7,844	0.60	4,776	0.39	2
Chora	19,554	7,092	12,754	0.65	11,202	0.50	2
Dega	10,191	7,602	13,859	1.36	8,891	0.34	2
Bedele	20,513	7,719	15,028	0.73	13,393	0.43	2
Gechi	10,893	2,656	4,568	0.42	3,537	0.45	2
Borecha Wereda	9,030	1,337	2,394	0.27	1,744	0.41	1
Dedesa	14,033	2,183	4,582	0.33	4,325	0.52	3
yayu	19,201	5,831	9,400	0.49	11,218	0.91	3
Metu	22,651	863	1,318	0.06	827	*	*

TABLE 8.15A: - Number of Holders Reporting Hay-Fork (Wood) Owned, Quantity Reported, Replacement Value, and Duration of Service of Hay-Fork, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Hay-Forks Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Hay-Fork (Birr)	Average Duration of Service of Hay-Fork (Years)
Illibabor Zone							
Ale	17,356	*	*	-	*	*	*
Bure	11,992	377	465	0.04	608	1.09	4
Nono	4,411	191	399	0.09	184	0.26	1
Jimma Zone	443,315	71,464	118,171	0.27	189,780	1.00	3
Limu Seka	29,245	6,562	11,289	0.39	13,711	0.69	2
Limu Kosa	45,921	10,029	16,500	0.36	30,859	1.14	3
Sokoru	25,586	3,960	7,930	0.31	8,165	0.49	2
Tiro Afeta	24,135	5,409	10,339	0.43	16,146	0.83	3
Kersa	29,474	8,485	15,241	0.52	23,666	0.89	2
Mana	27,816	938	1,727	0.06	3,580	1.07	*
Goma	49,523	2,524	3,492	0.07	6,660	1.41	2
Gera	20,803	4,870	10,207	0.49	13,352	0.63	2
Seka chekorsa	56,422	5,960	7,878	0.14	15,356	1.51	4
Dedo	54,035	8,201	10,451	0.19	24,778	1.82	4
Omonada	45,972	13,126	21,102	0.46	30,494	0.93	2
Sigmo	16,132	117	117	0.01	*	*	*
Setema	18,249	1,282	1,897	0.10	2,808	1.03	3
West Shewa Zone	502,591	268,799	476,550	0.95	1,407,167	1.77	4
Ginde Beret	33,630	18,047	33,963	1.01	77,478	1.21	3
Jeldu	33,701	17,330	27,928	0.83	94,541	2.11	4
Ambo	40,122	23,940	45,207	1.13	113,271	1.28	4
Cheliya	37,011	23,657	56,017	1.51	106,316	0.78	3
Bako Tibe	19,389	7,187	14,488	0.75	27,242	0.98	3
Dano	15,544	7,257	13,544	0.87	17,584	0.67	2
Nono	23,140	15,279	32,436	1.40	64,571	0.95	3
Tikur	12,596	7,090	13,055	1.04	20,541	0.86	3
Amaya	21,943	13,841	28,069	1.28	60,843	1.13	3
Wonchi	17,405	10,277	15,951	0.92	37,946	1.59	3
Dendi	37,106	21,807	37,175	1.00	137,387	2.13	6
Ejerie	15,219	8,425	12,775	0.84	57,934	2.97	5
Adda Berga	19,302	12,122	20,634	1.07	73,086	2.13	4
Walmara	17,073	6,757	9,783	0.57	51,867	3.58	5
Alem Gana	20,607	6,547	9,733	0.47	63,753	4.57	4
Kersana Kondaltiti	22,051	14,938	20,356	0.92	106,824	3.89	3
Tole	10,401	5,069	7,090	0.68	41,379	4.31	3
Elu	10,354	4,369	7,555	0.73	31,003	2.52	4
Dawo	13,068	8,043	14,415	1.10	48,763	1.97	3
Walisona Goro	35,633	16,322	28,256	0.79	76,215	1.68	3
Becho	11,294	4,264	5,711	0.51	25,069	3.42	4
Kokir	12,362	5,797	7,188	0.58	30,018	3.40	4
Meta Robi	23,639	10,434	15,222	0.64	43,539	1.95	4
North Shewa(Oromia) Zone	237,011	138,152	199,862	0.84	1,008,809	3.58	5
Wara Jarso	25,009	14,386	21,553	0.86	68,472	2.13	4
Dera	35,035	19,962	33,353	0.95	72,712	1.33	3
Hidabu Abote	15,884	7,516	12,393	0.78	43,814	2.19	4
Kuyu	20,090	10,595	15,389	0.77	49,961	2.29	4
Degem	17,936	10,628	15,160	0.85	81,015	3.74	5
Gerar Jarso	13,163	8,646	11,845	0.90	60,609	3.66	4
Yaya Gulelena Debre Libano	16,566	10,280	14,406	0.87	78,249	3.88	5
Wuchalena Jido	22,017	14,529	19,023	0.86	116,855	4.66	5
Abichuna Gna'a	11,868	7,677	9,740	0.82	47,206	3.84	6
Kembibit	10,860	6,576	7,905	0.73	83,123	8.67	6
Berehna Aleltu	24,774	11,888	16,479	0.67	180,658	7.72	6
Mulona Sululta	23,810	15,468	22,616	0.95	126,133	3.77	6

TABLE 8.15A: - Number of Holders Reporting Hay-Fork (Wood) Owned, Quantity Reported, Replacement Value, and Duration of Service of Hay-Fork, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Hay-Forks Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Hay-Fork (Birr)	Average Duration of Service of Hay-Fork (Years)
East Shewa Zone	314,966	50,271	74,265	0.24	401,449	3.74	4
Fentale	6,677	*	*	-	*	*	*
Boset	24,837	9,293	14,868	0.60	70,824	3.06	4
Adama	26,906	2,026	2,411	0.09	23,533	8.18	4
Lome	14,564	639	768	0.05	6,252	6.69	5
Gimbichu	15,569	4,631	6,609	0.42	62,965	6.72	6
Ada'a Liben Chukala	40,176	14,325	24,803	0.62	122,406	2.96	3
Dugda Bora	28,844	3,261	4,242	0.15	16,303	3.10	4
Adami Tullu Jido Kombolcha	23,794	2,449	2,839	0.12	9,982	3.14	4
Arsi Negele	26,584	4,249	5,291	0.20	25,037	3.88	4
Shashemene	46,108	5,577	6,520	0.14	28,090	3.51	3
Seraro	48,209	*	*	-	*	*	*
Akaki	12,696	2,804	4,739	0.37	27,585	3.57	4
Arsi Zone	493,007	156,295	221,353	0.45	1,033,120	3.28	5
Merti	22,750	13,511	21,867	0.96	110,539	3.05	4
Aseko	14,396	9,092	13,536	0.94	53,178	2.68	5
Gololcha	29,178	13,597	18,294	0.63	71,273	2.93	5
Jeju	22,217	10,751	14,612	0.66	80,982	4.19	4
Dodotana Sire	22,887	3,096	5,397	0.24	27,172	3.25	5
Zeway Dugda	21,200	1,981	2,302	0.11	11,327	4.24	5
Hitosa	39,229	1,794	1,985	0.05	18,710	7.90	9
Sude	25,501	12,853	18,360	0.72	96,114	3.71	5
Chole	15,918	10,838	18,459	1.16	107,192	3.37	5
Amigna	11,176	5,466	7,099	0.64	31,311	3.38	5
Seru	18,205	8,265	10,741	0.59	43,227	3.13	5
Robe	27,062	12,188	17,059	0.63	82,041	3.51	5
Tena	20,684	9,636	14,972	0.72	68,495	2.92	4
Sherka	26,405	12,572	18,711	0.71	73,027	2.56	7
Digeluna Tijo	22,181	3,727	4,698	0.21	17,293	2.88	8
Tiyo	15,978	766	889	0.06	5,653	5.39	7
Munesa	35,171	9,438	12,959	0.37	60,431	3.40	6
Bekoji	35,995	5,274	6,526	0.18	25,271	2.95	7
Gedeb	24,847	1,392	1,437	0.06	6,336	4.31	7
Kofele	42,028	10,060	11,450	0.27	43,548	3.39	6
West Harerge Zone	291,356	118,199	139,844	0.48	836,453	5.04	5
Mieso	16,400	5,053	5,401	0.33	45,666	7.96	4
Doba	22,768	12,282	13,611	0.60	71,659	4.71	8
Tulo	24,329	10,681	11,904	0.49	72,977	5.50	5
Mesela	25,840	9,534	10,356	0.40	43,808	3.86	4
Chiro	62,368	26,623	30,217	0.48	203,470	5.91	6
Goba Koricha	20,014	10,917	12,930	0.65	81,763	5.39	5
Anchar	13,430	7,659	9,673	0.72	51,015	4.36	5
Habro	30,386	9,070	13,414	0.44	78,326	3.86	4
Darolebu	26,978	9,670	10,940	0.41	51,444	4.17	3
Boke	22,144	5,192	5,695	0.26	30,481	4.81	4
Kuni	26,701	11,517	15,703	0.59	105,844	4.92	4
East Harerge Zone	387,193	98,320	108,116	0.28	383,132	3.23	5
Kombolcha	20,710	3,725	3,931	0.19	15,853	3.76	3
Jarso	17,052	5,274	5,717	0.34	21,333	3.47	4
Gursum	25,567	4,124	4,410	0.17	18,814	3.99	3
Babile	10,237	1,533	1,664	0.16	8,970	5.10	4
Fedis	24,565	4,749	4,921	0.20	18,471	3.66	4
Haro Maya	31,404	5,411	5,787	0.18	26,973	4.44	4
Kurfa Chele	7,122	1,961	2,382	0.33	10,287	3.62	6
Kersa	27,745	6,728	7,722	0.28	36,955	4.19	4

TABLE 8.15A: - Number of Holders Reporting Hay-Fork (Wood) Owned, Quantity Reported, Replacement Value, and Duration of Service of Hay-Fork, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Hay-Forks Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Hay-Fork (Birr)	Average Duration of Service of Hay-Fork (Years)
East Harerge Zone							
Meta	43,775	15,197	16,803	0.38	46,795	2.50	5
Goro Gutu	25,718	7,770	8,104	0.32	32,373	3.82	5
Deder	38,265	11,233	12,873	0.34	45,256	3.10	6
Malka Balo	24,930	7,160	8,054	0.32	34,664	3.81	4
Bedeno	43,356	13,914	15,173	0.35	40,737	2.46	5
Girawa	38,886	7,986	8,800	0.23	19,859	2.02	4
Gola Oda	7,861	1,556	1,776	0.23	5,794	2.78	4
Bale Zone	259,058	83,652	104,949	0.41	417,495	3.21	5
Kokosa	23,375	868	902	0.04	2,189	2.39	3
Dodola	23,650	6,496	8,441	0.36	27,869	2.56	6
Adaba	19,856	7,612	10,024	0.50	37,969	2.96	5
Agarfa	13,146	6,202	8,574	0.65	37,252	3.20	6
Gasera	12,088	4,573	5,377	0.44	27,887	4.52	4
Gololcha	14,914	8,445	10,119	0.68	42,434	3.47	7
Legehida	8,094	1,568	1,737	0.21	5,891	3.11	3
Ginir	21,653	11,597	14,625	0.68	62,699	3.42	5
Sinanana Dinsho	24,988	10,515	12,259	0.49	53,276	3.76	6
Goba	7,183	3,171	3,718	0.52	15,644	3.56	5
Mennana Arena Buluk	19,198	3,844	4,735	0.25	11,975	2.05	3
Nensebo	14,169	2,028	2,869	0.20	6,222	1.52	4
Meda Welabu	12,557	873	1,168	0.09	3,586	2.32	3
Berbere	10,213	2,876	3,923	0.38	10,664	2.16	3
Guradamole	4,160	1,525	1,749	0.42	6,840	3.52	3
Goro	15,934	9,651	12,797	0.80	57,293	3.37	5
Raytu	6,168	*	*	-	*	*	*
Seweyna	7,711	1,801	1,926	0.25	7,718	3.68	4
Borena Zone	283,104	14,539	30,661	0.11	68,056	1.22	2
Uraga	42,623	-	-	-	-	-	-
Bore	30,433	*	*	-	4,495	*	*
Adolana Wadera	22,616	4,568	9,912	0.44	12,530	0.73	2
Odo Shakiso	14,015	1,145	2,828	0.20	8,246	1.31	2
Hager Mariam	86,116	*	*	-	*	*	*
Yabelo	10,081	740	1,520	0.15	3,876	1.42	3
Arero	3,331	356	623	0.19	1,078	1.05	3
Liben	14,844	4,208	7,724	0.52	25,033	1.85	2
Moyale	10,736	422	912	0.08	*	0.97	5
Dire	13,719	1,227	2,086	0.15	5,631	1.76	3
Teltele	7,361	507	1,030	0.14	1,268	0.61	2
Gelana Abaya	27,229	225	*	-	*	*	*

TABLE 8.16A: - Number of Holders Reporting Threshing Stick Owned, Quantity Reported, Replacement Value, and Duration of Service of Threshing Stick, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Threshing Sticks Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Threshing Stick (Birr)	Average Duration of Service of Threshing Stick (Years)
Oromia Region	3,981,704	765,449	1,607,086	0.40	2,073,942	0.78	2
West Welega Zone	313,923	90,175	199,423	0.64	177,919	0.45	2
Mana Sibu	27,022	7,392	17,353	0.64	12,900	0.46	3
Nejo	17,916	6,018	13,660	0.76	8,136	0.28	2
Gimbi	17,096	4,594	12,838	0.75	34,966	1.05	4
Lalo Asabi	10,906	1,872	3,882	0.36	4,036	0.60	2
Boji	15,188	3,930	8,320	0.55	6,499	0.36	2
Ayra Guliso	16,371	2,257	5,244	0.32	4,706	0.41	2
Jarso	16,190	4,707	12,542	0.77	5,708	0.22	1
Gidami	13,636	3,489	7,258	0.53	3,968	0.24	1
Jimma Horo	6,869	2,747	4,452	0.65	2,698	0.37	1
Hawa Welel	17,315	6,977	17,084	0.99	12,031	0.48	2
Gawo Dale	23,820	11,373	19,688	0.83	19,638	0.67	2
Dale Sadi	11,117	3,646	7,012	0.63	5,430	0.52	2
Yubdo	5,640	1,799	3,424	0.61	2,788	0.43	1
Ganji	9,611	1,218	2,573	0.27	2,025	0.41	1
Haru	11,508	1,742	3,862	0.34	3,186	0.37	1
Nole Kaba	23,388	7,330	15,676	0.67	11,383	0.34	1
Lalo Kilie	7,900	1,990	4,645	0.59	2,378	0.24	1
Sayo	19,844	4,682	10,829	0.55	14,528	0.54	1
Anfilo	11,848	414	980	0.08	882	0.73	1
Begi	30,734	11,997	28,102	0.91	20,031	0.33	1
East Welega Zone	260,893	40,881	88,138	0.34	120,060	0.80	2
Limu	20,690	6,057	15,314	0.74	19,806	0.52	2
Ibantu	5,087	2,746	5,842	1.15	7,059	0.57	2
Gida Kiremu	22,168	4,157	8,106	0.37	7,921	0.49	2
Jarte	7,363	697	1,708	0.23	2,062	0.56	2
Amuru	7,739	496	761	0.10	1,388	1.22	2
Abe Dongoro	9,470	752	1,501	0.16	1,991	0.71	2
Jimma Horo	24,023	1,413	*	-	2,219	*	2
Abay Chomen	4,715	532	1,104	0.23	3,561	1.84	3
Guduru	21,520	3,119	4,196	0.19	20,503	3.93	4
Jimma Rare	7,738	347	716	0.09	1,445	1.18	2
Bila Seyo	13,470	1,033	1,833	0.14	2,237	0.71	2
Sibu Sire	15,203	2,824	5,565	0.37	7,053	0.68	2
Guto Wayu	28,487	2,985	5,300	0.19	8,021	0.97	3
Sasiga	11,346	1,353	2,273	0.20	4,182	1.24	2
Leka Dulecha	10,555	2,808	5,588	0.53	7,933	0.98	3
Diga	11,868	4,668	16,342	1.38	8,340	0.19	2
Jimma Arjo	13,333	693	1,685	0.13	1,557	0.39	2
Nunu Kumba	10,438	293	505	0.05	577	0.67	2
Wama Bonaya	15,680	3,910	7,101	0.45	12,206	1.23	3
Illibabor Zone	195,287	49,437	85,919	0.44	55,102	0.43	2
Darimu	22,324	3,432	4,675	0.21	8,443	1.53	3
Supena Sodo	13,139	5,123	8,045	0.61	2,959	0.24	1
Chora	19,554	4,703	6,626	0.34	3,748	0.35	1
Dega	10,191	5,205	11,906	1.17	4,095	0.15	1
Bedele	20,513	6,440	16,506	0.80	5,515	0.14	1
Gechi	10,893	5,130	8,304	0.76	4,875	0.40	2
Borecha Wereda	9,030	6,118	10,414	1.15	3,126	0.18	1
Dedesa	14,033	4,641	6,206	0.44	4,039	0.47	2
yayu	19,201	3,220	5,724	0.30	9,523	1.05	*
Metu	22,651	1,009	1,165	0.05	926	0.72	2

TABLE 8.16A:- Number of Holders Reporting Threshing Stick Owned, Quantity Reported, Replacement Value, and Duration of Service of Threshing Stick, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Threshing Sticks Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Threshing Stick (Birr)	Average Duration of Service of Threshing Stick (Years)
Illibabor Zone							
Ale	17,356	3,063	4,002	0.23	5,698	*	3
Bure	11,992	580	980	0.08	1,551	1.39	4
Nono	4,411	773	1,366	0.31	604	0.30	2
Jimma Zone	443,315	152,453	275,252	0.62	199,550	0.46	2
Limu Seka	29,245	3,436	4,759	0.16	3,932	0.57	2
Limu Kosa	45,921	9,159	11,241	0.24	15,872	1.15	2
Sokoru	25,586	14,800	27,221	1.06	10,324	0.20	1
Tiro Afeta	24,135	6,928	10,775	0.45	6,335	0.38	1
Kersa	29,474	14,466	28,509	0.97	24,914	0.51	1
Mana	27,816	5,920	7,998	0.29	7,317	0.79	2
Goma	49,523	8,616	13,442	0.27	11,593	0.90	1
Gera	20,803	8,262	18,605	0.89	13,912	0.34	1
Seka chekorsa	56,422	13,423	23,250	0.41	12,610	0.33	2
Dedo	54,035	31,114	62,009	1.15	36,078	0.29	1
Omonada	45,972	24,599	51,316	1.12	37,863	0.42	2
Sigmo	16,132	5,845	9,137	0.57	8,449	0.65	1
Setema	18,249	5,887	6,988	0.38	10,352	1.23	2
West Shewa Zone	502,591	30,129	49,614	0.10	140,219	2.08	4
Ginde Beret	33,630	*	*	-	*	*	*
Jeldu	33,701	*	*	-	*	*	*
Ambo	40,122	5,092	7,832	0.20	14,002	1.22	7
Cheliya	37,011	4,752	6,051	0.16	41,512	5.47	8
Bako Tibe	19,389	1,098	1,799	0.09	3,108	1.07	3
Dano	15,544	926	1,215	0.08	3,709	*	*
Nono	23,140	2,430	3,898	0.17	4,085	0.66	2
Tikur	12,596	*	*	-	*	*	*
Amaya	21,943	886	1,457	0.07	5,149	2.40	3
Wonchi	17,405	1,649	2,605	0.15	10,208	3.63	4
Dendi	37,106	678	*	-	1,380	*	2
Ejerie	15,219	284	359	0.02	1,307	2.93	4
Adda Berga	19,302	*	1,153	0.06	*	*	*
Walmara	17,073	723	*	-	*	*	4
Alem Gana	20,607	*	*	-	*	*	*
Kersana Kondaltiti	22,051	2,846	*	-	12,818	*	3
Tole	10,401	2,402	3,831	0.37	8,353	1.45	2
Elu	10,354	450	878	0.08	1,796	1.20	2
Dawo	13,068	*	*	-	*	*	*
Walisona Goro	35,633	*	*	-	*	*	*
Becho	11,294	888	1,351	0.12	2,144	1.11	2
Kokir	12,362	171	210	0.02	427	1.76	3
Meta Robi	23,639	272	433	0.02	*	1.76	5
North Shewa(Oromia) Zone	237,011	15,251	34,222	0.14	54,634	0.94	2
Wara Jarso	25,009	*	*	-	*	*	*
Dera	35,035	4,180	8,904	0.25	10,839	0.63	1
Hidabu Abote	15,884	189	290	0.02	1,015	1.91	3
Kuyu	20,090	2,344	8,378	0.42	4,651	0.20	1
Degem	17,936	442	534	0.03	1,452	2.11	2
Gerar Jarso	13,163	1,836	3,004	0.23	4,266	0.78	2
Yaya Gulelena Debre Libano	16,566	1,314	*	-	5,043	*	3
Wuchalena Jido	22,017	*	*	-	3,189	*	*
Abichuna Gna'a	11,868	287	428	0.04	1,672	2.67	3
Kembibit	10,860	804	1,005	0.09	7,458	5.49	5
Berehna Aleltu	24,774	*	*	-	*	*	*
Mulona Sululta	23,810	382	472	0.02	2,762	4.78	*

TABLE 8.16A: - Number of Holders Reporting Threshing Stick Owned, Quantity Reported, Replacement Value, and Duration of Service of Threshing Stick, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Threshing Sticks Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Threshing Stick (Birr)	Average Duration of Service of Threshing Stick (Years)
East Shewa Zone	314,966	23,495	42,118	0.13	100,949	1.63	2
Fentale	6,677	131	198	0.03	*	*	*
Boset	24,837	262	297	0.01	1,632	5.14	3
Adama	26,906	*	*	-	*	*	*
Lome	14,564	*	*	-	*	*	*
Gimbichu	15,569	121	*	-	*	*	2
Ada'a Liben Chukala	40,176	2,932	4,905	0.12	*	2.52	2
Dugda Bora	28,844	*	*	-	*	*	*
Adami Tullu Jido Kombolcha	23,794	2,069	2,324	0.10	9,794	3.98	5
Arsi Negele	26,584	1,733	2,607	0.10	5,797	1.52	2
Shashemene	46,108	5,486	9,219	0.20	23,754	1.94	2
Seraro	48,209	10,079	21,568	0.45	24,406	0.56	2
Akaki	12,696	*	*	-	*	*	*
Arsi Zone	493,007	35,756	61,601	0.12	93,183	1.02	2
Merti	22,750	915	1,305	0.06	2,447	1.51	2
Aseko	14,396	105	146	0.01	373	2.28	2
Gololcha	29,178	*	*	-	3,197	*	*
Jeju	22,217	*	*	-	5,513	*	*
Dodotana Sire	22,887	*	*	-	*	*	*
Zeway Dugda	21,200	1,260	1,365	0.06	6,233	4.31	8
Hitosa	39,229	*	*	-	*	*	*
Sude	25,501	2,327	3,984	0.16	7,271	1.23	*
Chole	15,918	1,701	2,479	0.16	*	*	2
Amigna	11,176	2,884	8,425	0.75	8,686	0.39	1
Seru	18,205	3,705	6,127	0.34	7,409	0.80	2
Robe	27,062	2,947	5,408	0.20	3,770	0.42	2
Tena	20,684	4,117	6,526	0.32	5,443	0.54	1
Sherka	26,405	495	606	0.02	1,513	*	*
Digeluna Tijo	22,181	*	*	-	*	*	*
Tiyo	15,978	*	*	-	*	*	*
Munesa	35,171	*	*	-	*	*	*
Bekoji	35,995	*	*	-	*	*	*
Gedeb	24,847	4,843	7,200	0.29	8,974	0.92	2
Kofele	42,028	*	*	-	*	*	*
West Harerge Zone	291,356	116,925	229,810	0.79	441,892	1.10	2
Mieso	16,400	7,645	12,983	0.79	38,678	1.77	2
Doba	22,768	9,418	14,496	0.64	32,181	1.48	5
Tulo	24,329	12,245	27,148	1.12	50,383	1.03	2
Mesela	25,840	11,406	16,620	0.64	47,831	1.96	3
Chiro	62,368	19,134	29,316	0.47	55,232	1.28	2
Goba Koricha	20,014	10,659	40,272	2.01	48,628	0.38	2
Anchar	13,430	2,495	4,896	0.36	6,697	0.81	1
Habro	30,386	14,531	26,019	0.86	42,570	1.06	2
Darolebu	26,978	14,122	26,836	0.99	49,722	1.04	2
Boke	22,144	4,546	9,334	0.42	17,986	0.98	2
Kuni	26,701	10,723	21,891	0.82	51,982	1.25	2
East Harerge Zone	387,193	140,770	219,663	0.57	477,867	1.45	3
Kombolcha	20,710	7,739	10,564	0.51	32,900	2.18	2
Jarso	17,052	6,100	13,142	0.77	17,957	0.72	2
Gursum	25,567	3,944	7,001	0.27	13,390	1.03	2
Babile	10,237	3,024	6,917	0.68	13,706	1.05	1
Fedis	24,565	12,554	20,495	0.83	46,221	1.33	2
Haro Maya	31,404	15,137	25,372	0.81	64,008	1.53	2
Kurfa Chele	7,122	2,367	3,856	0.54	10,964	1.94	3
Kersa	27,745	13,098	19,187	0.69	69,665	2.52	3

TABLE 8.16A: - Number of Holders Reporting Threshing Stick Owned, Quantity Reported, Replacement Value, and Duration of Service of Threshing Stick, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Threshing Sticks Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Threshing Stick (Birr)	Average Duration of Service of Threshing Stick (Years)
East Harerge Zone							
Meta	43,775	19,449	25,747	0.59	50,907	1.51	3
Goro Gutu	25,718	6,880	7,753	0.30	18,318	2.18	2
Deder	38,265	9,533	12,220	0.32	23,101	1.50	4
Malka Balo	24,930	9,207	16,396	0.66	30,458	1.24	3
Bedeno	43,356	15,841	27,197	0.63	47,742	1.11	3
Girawa	38,886	11,010	17,130	0.44	22,638	0.82	3
Gola Oda	7,861	4,887	6,685	0.85	15,893	1.77	2
Bale Zone	259,058	34,519	51,782	0.20	58,797	0.84	2
Kokosa	23,375	*	*	-	*	*	*
Dodola	23,650	4,214	7,107	0.30	5,666	0.49	1
Adaba	19,856	1,045	1,720	0.09	1,115	0.44	1
Agarfa	13,146	1,663	2,079	0.16	2,610	0.93	4
Gasera	12,088	1,680	2,217	0.18	2,729	1.02	2
Gololcha	14,914	1,782	2,340	0.16	2,852	1.02	2
Legehida	8,094	884	1,442	0.18	945	0.53	1
Ginir	21,653	5,136	7,153	0.33	12,679	1.36	3
Sinanana Dinsho	24,988	6,546	8,514	0.34	8,043	0.76	2
Goba	7,183	1,090	1,319	0.18	1,610	1.00	2
Mennana Arena Buluk	19,198	935	2,337	0.12	1,505	0.27	1
Nensebo	14,169	786	1,413	0.10	1,515	0.80	2
Meda Welabu	12,557	*	*	-	1,160	*	*
Berbere	10,213	717	916	0.09	2,071	1.61	3
Guradamole	4,160	1,200	2,039	0.49	2,039	0.74	2
Goro	15,934	3,218	4,354	0.27	7,887	1.33	3
Raytu	6,168	447	627	0.10	628	0.76	1
Seweyna	7,711	1,504	1,910	0.25	2,908	1.33	2
Borena Zone	283,104	35,659	269,545	0.95	153,770	0.15	1
Uraga	42,623	216	*	-	3,220	*	*
Bore	30,433	8,434	113,336	3.72	45,446	0.06	1
Adolana Wadera	22,616	8,091	71,154	3.15	35,204	0.08	1
Odo Shakiso	14,015	2,734	10,736	0.77	21,586	0.75	2
Hager Mariam	86,116	*	*	-	*	*	*
Yabelo	10,081	1,041	2,304	0.23	*	0.89	3
Arero	3,331	92	140	0.04	194	1.11	2
Liben	14,844	4,318	26,704	1.80	15,708	0.19	2
Moyale	10,736	821	2,871	0.27	4,629	0.56	2
Dire	13,719	1,144	2,357	0.17	2,509	0.70	4
Teltele	7,361	3,651	6,609	0.90	3,447	0.37	2
Gelana Abaya	27,229	1,801	*	-	*	*	2

TABLE 8.17A: - Number of Holders Reporting Winnower (Metal) Owned, Quantity Reported, Replacement Value, and Duration of Service of Winnower, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Winnowers Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Winnower (Birr)	Average Duration of Service of Winnower (Years)
Oromia Region	3,981,704	9,681	11,072	0.00	94,136	7.54	7
West Welega Zone	313,923	137	137	0.00	*	*	3
Mana Sibu	27,022	*	*	-	*	*	*
Nejo	17,916	-	-	-	-	-	-
Gimbi	17,096	-	-	-	-	-	-
Lalo Asabi	10,906	-	-	-	-	-	-
Boji	15,188	-	-	-	-	-	-
Ayra Guliso	16,371	*	*	-	*	*	*
Jarso	16,190	-	-	-	-	-	-
Gidami	13,636	-	-	-	-	-	-
Jimma Horo	6,869	-	-	-	-	-	-
Hawa Welel	17,315	-	-	-	-	-	-
Gawo Dale	23,820	-	-	-	-	-	-
Dale Sadi	11,117	*	*	-	*	*	*
Yubdo	5,640	-	-	-	-	-	-
Ganji	9,611	-	-	-	-	-	-
Haru	11,508	*	*	-	*	*	*
Nole Kaba	23,388	-	-	-	-	-	-
Lalo Kilie	7,900	*	*	-	*	*	*
Sayo	19,844	-	-	-	-	-	-
Anfilo	11,848	-	-	-	-	-	-
Begi	30,734	-	-	-	-	-	-
East Welega Zone	260,893	688	891	0.00	3,890	3.62	5
Limu	20,690	-	-	-	-	-	-
Ibantu	5,087	-	-	-	-	-	-
Gida Kiremu	22,168	*	*	-	*	*	*
Jarte	7,363	*	*	-	*	*	*
Amuru	7,739	-	-	-	-	-	-
Abe Dongoro	9,470	*	*	-	*	*	*
Jimma Horo	24,023	262	383	0.02	1,493	2.94	4
Abay Chomen	4,715	*	*	-	*	*	*
Guduru	21,520	*	*	-	*	*	*
Jimma Rare	7,738	*	*	-	*	*	*
Bila Seyo	13,470	*	*	-	*	*	*
Sibu Sire	15,203	*	*	-	*	*	*
Guto Wayu	28,487	*	*	-	*	*	*
Sasiga	11,346	*	*	-	*	*	*
Leka Dulecha	10,555	-	-	-	-	-	-
Diga	11,868	*	*	-	*	*	*
Jimma Arjo	13,333	*	*	-	*	*	*
Nunu Kumba	10,438	-	-	-	-	-	-
Wama Bonaya	15,680	-	-	-	-	-	-
Illibabor Zone	195,287	439	495	0.00	1,439	2.85	4
Darimu	22,324	*	*	-	*	*	*
Supena Sodo	13,139	*	*	-	*	*	*
Chora	19,554	*	*	-	*	*	*
Dega	10,191	-	-	-	-	-	-
Bedele	20,513	*	*	-	*	*	*
Gechi	10,893	*	*	-	*	*	*
Borecha Wereda	9,030	-	-	-	-	-	-
Dedesa	14,033	-	-	-	-	-	-
yayu	19,201	-	-	-	-	-	-
Metu	22,651	*	*	-	*	*	*

TABLE 8.17A: - Number of Holders Reporting Winnower (Metal) Owned, Quantity Reported, Replacement Value, and Duration of Service of Winnower, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Winnowers Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Winnower (Birr)	Average Duration of Service of Winnower (Years)
Illibabor Zone							
Ale	17,356	-	-	-	-	-	-
Bure	11,992	-	-	-	-	-	-
Nono	4,411	-	-	-	-	-	-
Jimma Zone	443,315	*	*	-	*	*	*
Limu Seka	29,245	-	-	-	-	-	-
Limu Kosa	45,921	-	-	-	-	-	-
Sokoru	25,586	-	-	-	-	-	-
Tiro Afeta	24,135	-	-	-	-	-	-
Kersa	29,474	*	*	-	*	*	*
Mana	27,816	-	-	-	-	-	-
Goma	49,523	*	*	-	*	*	*
Gera	20,803	*	*	-	*	*	*
Seka chekorsa	56,422	-	-	-	-	-	-
Dedo	54,035	-	-	-	-	-	-
Omonada	45,972	-	-	-	-	-	-
Sigmo	16,132	-	-	-	-	-	-
Setema	18,249	-	-	-	-	-	-
West Shewa Zone	502,591	1,297	1,440	0.00	12,031	7.81	7
Ginde Beret	33,630	*	*	-	*	*	*
Jeldu	33,701	263	263	0.01	1,865	7.09	6
Ambo	40,122	*	*	-	*	*	*
Cheliya	37,011	-	-	-	-	-	-
Bako Tibe	19,389	-	-	-	-	-	-
Dano	15,544	-	-	-	-	-	-
Nono	23,140	*	*	-	*	*	*
Tikur	12,596	*	*	-	*	*	*
Amaya	21,943	*	*	-	*	*	*
Wonchi	17,405	-	-	-	-	-	-
Dendi	37,106	-	-	-	-	-	-
Ejerie	15,219	53	53	0.00	*	*	*
Adda Berga	19,302	*	*	-	*	*	*
Walmara	17,073	102	123	0.01	*	*	15
Alem Gana	20,607	*	*	-	*	*	*
Kersana Kondaltiti	22,051	172	*	-	1,789	*	5
Tole	10,401	*	*	-	*	*	*
Elu	10,354	*	*	-	*	*	*
Dawo	13,068	91	91	0.01	841	9.24	*
Walisona Goro	35,633	-	-	-	-	-	-
Becho	11,294	*	*	-	*	*	*
Kokir	12,362	-	-	-	-	-	-
Meta Robi	23,639	*	*	-	*	*	*
North Shewa(Oromia) Zone	237,011	773	857	0.00	11,141	11.13	9
Wara Jarso	25,009	*	*	-	*	*	*
Dera	35,035	*	*	-	*	*	*
Hidabu Abote	15,884	*	*	-	*	*	*
Kuyu	20,090	-	-	-	-	-	-
Degem	17,936	*	*	-	*	*	*
Gerar Jarso	13,163	-	-	-	-	-	-
Yaya Gulelena Debre Libano	16,566	*	*	-	*	*	*
Wuchalena Jido	22,017	*	*	-	*	*	*
Abichuna Gna'a	11,868	*	*	-	*	*	*
Kembibit	10,860	*	*	-	*	*	*
Berehna Aleltu	24,774	*	*	-	*	*	*
Mulona Sululta	23,810	*	*	-	*	*	*

TABLE 8.17A: - Number of Holders Reporting Winnower (Metal) Owned, Quantity Reported, Replacement Value, and Duration of Service of Winnower, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Winnowers Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Winnower (Birr)	Average Duration of Service of Winnower (Years)
East Shewa Zone	314,966	914	932	0.00	14,834	15.43	6
Fentale	6,677	-	-	-	-	-	-
Boset	24,837	*	*	-	*	*	*
Adama	26,906	*	*	-	*	*	*
Lome	14,564	*	*	-	*	*	*
Gimbichu	15,569	*	*	-	*	*	*
Ada'a Liben Chukala	40,176	*	*	-	*	*	*
Dugda Bora	28,844	136	136	0.00	*	*	7
Adami Tullu Jido Kombolcha	23,794	-	-	-	-	-	-
Arsi Negele	26,584	*	*	-	*	*	*
Shashemene	46,108	-	-	-	-	-	-
Seraro	48,209	-	-	-	-	-	-
Akaki	12,696	77	77	0.01	881	11.44	5
Arsi Zone	493,007	1,335	1,444	0.00	14,087	8.85	8
Merti	22,750	-	-	-	-	-	-
Aseko	14,396	38	38	0.00	188	4.93	7
Gololcha	29,178	*	*	-	*	*	*
Jeju	22,217	*	*	-	*	*	*
Dodotana Sire	22,887	*	*	-	*	*	*
Zeway Dugda	21,200	*	*	-	*	*	*
Hitosa	39,229	*	*	-	*	*	*
Sude	25,501	*	*	-	*	*	*
Chole	15,918	*	*	-	*	*	*
Amigna	11,176	*	*	-	*	*	*
Seru	18,205	*	*	-	*	*	*
Robe	27,062	*	*	-	*	*	*
Tena	20,684	*	*	-	*	*	*
Sherka	26,405	-	-	-	-	-	-
Digeluna Tijo	22,181	*	*	-	*	*	*
Tiyo	15,978	150	207	0.01	2,948	9.69	9
Munesa	35,171	*	*	-	*	*	*
Bekoji	35,995	*	*	-	*	*	*
Gedeb	24,847	*	*	-	*	*	*
Kofele	42,028	*	*	-	*	*	*
West Harerge Zone	291,356	928	1,141	0.00	9,808	7.76	6
Mieso	16,400	*	*	-	*	*	*
Doba	22,768	-	-	-	-	-	-
Tulo	24,329	*	*	-	*	*	*
Mesela	25,840	173	173	0.01	964	5.57	*
Chiro	62,368	*	*	-	*	*	*
Goba Koricha	20,014	*	*	-	*	*	*
Anchar	13,430	*	*	-	*	*	*
Habro	30,386	278	278	0.01	3,229	11.62	5
Darolebu	26,978	*	*	-	*	*	*
Boke	22,144	*	*	-	*	*	*
Kuni	26,701	*	*	-	*	*	*
East Harerge Zone	387,193	1,210	1,336	0.00	10,662	7.31	8
Kombolcha	20,710	*	*	-	*	*	*
Jarso	17,052	*	*	-	*	*	*
Gursum	25,567	*	*	-	*	*	*
Babile	10,237	*	*	-	*	*	*
Fedis	24,565	*	*	-	*	*	*
Haro Maya	31,404	*	*	-	*	*	*
Kurfa Chele	7,122	*	*	-	*	*	*
Kersa	27,745	*	*	-	*	*	*

TABLE 8.17A: - Number of Holders Reporting Winnower (Metal) Owned, Quantity Reported, Replacement Value, and Duration of Service of Winnower, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Winnowers Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Winnower (Birr)	Average Duration of Service of Winnower (Years)
East Harerge Zone							
Meta	43,775	-	-	-	-	-	-
Goro Gutu	25,718	*	*	-	*	*	*
Deder	38,265	*	*	-	*	*	*
Malka Balo	24,930	139	158	0.01	*	*	*
Bedeno	43,356	*	*	-	*	*	*
Girawa	38,886	*	*	-	*	*	*
Gola Oda	7,861	*	*	-	*	*	*
Bale Zone	259,058	601	639	0.00	3,518	4.89	7
Kokosa	23,375	*	*	-	*	*	*
Dodola	23,650	*	*	-	*	*	*
Adaba	19,856	110	110	0.01	484	4.40	*
Agarfa	13,146	*	*	-	*	*	*
Gasera	12,088	-	-	-	-	-	-
Gololcha	14,914	-	-	-	-	-	-
Legehida	8,094	-	-	-	-	-	-
Ginir	21,653	*	*	-	*	*	*
Sinanana Dinsho	24,988	*	*	-	*	*	*
Goba	7,183	*	*	-	*	*	*
Mennana Arena Buluk	19,198	*	*	-	*	*	*
Nensebo	14,169	*	*	-	*	*	*
Meda Welabu	12,557	*	*	-	*	*	*
Berbere	10,213	-	-	-	-	-	-
Guradamole	4,160	-	-	-	-	-	-
Goro	15,934	-	-	-	-	-	-
Raytu	6,168	-	-	-	-	-	-
Seweyna	7,711	-	-	-	-	-	-
Borena Zone	283,104	*	*	-	*	*	*
Uraga	42,623	-	-	-	-	-	-
Bore	30,433	-	-	-	-	-	-
Adolana Wadera	22,616	-	-	-	-	-	-
Odo Shakiso	14,015	-	-	-	-	-	-
Hager Mariam	86,116	-	-	-	-	-	-
Yabelo	10,081	*	*	-	*	*	*
Arero	3,331	-	-	-	-	-	-
Liben	14,844	*	*	-	*	*	*
Moyale	10,736	-	-	-	-	-	-
Dire	13,719	*	*	-	*	*	*
Teltele	7,361	-	-	-	-	-	-
Gelana Abaya	27,229	-	-	-	-	-	-

TABLE 8.18A: - Number of Holders Reporting Winnower (Wood) Owned, Quantity Reported, Replacement Value, and Duration of Service of Winnower, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Winnowers Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Winnower (Birr)	Average Duration of Service of Winnower (Years)
Oromia Region	3,981,704	969,714	1,087,145	0.27	8,963,176	7.40	8
West Welega Zone	313,923	10,686	13,198	0.04	39,550	2.53	4
Mana Sibu	27,022	1,621	1,954	0.07	3,363	1.47	3
Nejo	17,916	1,342	*	-	*	*	2
Gimbi	17,096	*	*	-	*	*	*
Lalo Asabi	10,906	*	*	-	*	*	*
Boji	15,188	*	*	-	*	*	*
Ayra Guliso	16,371	*	*	-	*	*	*
Jarso	16,190	1,664	1,909	0.12	7,147	3.56	5
Gidami	13,636	-	-	-	-	-	-
Jimma Horo	6,869	204	216	0.03	876	3.90	5
Hawa Welel	17,315	799	926	0.05	5,786	5.43	6
Gawo Dale	23,820	875	988	0.04	4,635	4.16	4
Dale Sadi	11,117	792	824	0.07	2,739	3.04	4
Yubdo	5,640	-	-	-	-	-	-
Ganji	9,611	*	*	-	*	*	*
Haru	11,508	603	922	0.08	1,567	1.13	2
Nole Kaba	23,388	1,131	1,546	0.07	*	*	2
Lalo Kilie	7,900	-	-	-	-	-	-
Sayo	19,844	371	469	0.02	*	*	*
Anfilo	11,848	*	*	-	*	*	*
Begi	30,734	145	*	-	*	*	*
East Welega Zone	260,893	43,705	51,475	0.20	229,444	3.84	6
Limu	20,690	952	1,061	0.05	5,391	4.76	6
Ibantu	5,087	37	43	0.01	53	1.09	1
Gida Kiremu	22,168	5,080	5,595	0.25	32,194	5.24	7
Jarte	7,363	2,204	2,431	0.33	9,864	3.63	5
Amuru	7,739	1,046	1,138	0.15	4,028	3.28	4
Abe Dongoro	9,470	2,369	2,625	0.28	13,623	4.51	6
Jimma Horo	24,023	10,125	11,501	0.48	53,805	4.17	6
Abay Chomen	4,715	789	904	0.19	3,629	3.45	4
Guduru	21,520	3,060	3,470	0.16	17,695	4.44	5
Jimma Rare	7,738	2,599	2,845	0.37	14,474	4.72	6
Bila Seyo	13,470	2,379	2,839	0.21	10,555	3.05	5
Sibu Sire	15,203	2,447	3,294	0.22	12,905	3.13	5
Guto Wayu	28,487	3,463	3,981	0.14	*	4.55	6
Sasiga	11,346	216	312	0.03	1,507	3.14	*
Leka Dulecha	10,555	991	1,283	0.12	2,466	1.56	4
Diga	11,868	823	972	0.08	4,264	3.75	5
Jimma Arjo	13,333	3,699	5,576	0.42	14,794	1.86	5
Nunu Kumba	10,438	509	509	0.05	1,042	2.06	4
Wama Bonaya	15,680	*	*	-	*	*	*
Illibabor Zone	195,287	6,106	8,109	0.04	23,321	2.48	4
Darimu	22,324	*	*	-	*	*	*
Supena Sodo	13,139	490	799	0.06	1,149	1.01	3
Chora	19,554	787	815	0.04	*	*	4
Dega	10,191	166	166	0.02	621	3.74	4
Bedele	20,513	*	*	-	*	*	*
Gechi	10,893	522	620	0.06	728	1.00	3
Borecha Wereda	9,030	582	1,225	0.14	1,030	0.69	2
Dedesa	14,033	813	1,043	0.07	4,278	3.42	7
yayu	19,201	1,430	1,605	0.08	*	4.57	6
Metu	22,651	*	*	-	*	*	*

TABLE 8.18A: - Number of Holders Reporting Winnower (Wood) Owned, Quantity Reported, Replacement Value, and Duration of Service of Winnower, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Winnowers Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Winnower (Birr)	Average Duration of Service of Winnower (Years)
Illibabor Zone							
Ale	17,356	*	*	-	*	*	*
Bure	11,992	262	306	0.03	1,313	3.85	5
Nono	4,411	-	-	-	-	-	-
Jimma Zone	443,315	31,168	38,046	0.09	142,943	3.15	5
Limu Seka	29,245	177	*	-	682	*	3
Limu Kosa	45,921	3,983	4,988	0.11	22,715	3.51	4
Sokoru	25,586	*	*	-	*	*	*
Tiro Afeta	24,135	2,367	2,941	0.12	12,778	3.49	7
Kersa	29,474	5,381	8,496	0.29	25,271	2.26	4
Mana	27,816	*	*	-	*	*	*
Goma	49,523	746	815	0.02	3,399	3.91	*
Gera	20,803	2,632	3,200	0.15	14,202	3.42	4
Seka chekorsa	56,422	4,195	4,499	0.08	17,079	3.57	8
Dedo	54,035	6,820	7,585	0.14	*	3.18	5
Omonada	45,972	4,006	4,264	0.09	16,262	3.58	4
Sigmo	16,132	-	-	-	-	-	-
Setema	18,249	602	637	0.03	1,674	2.47	3
West Shewa Zone	502,591	188,975	214,727	0.43	1,654,537	6.76	8
Ginde Beret	33,630	13,512	19,019	0.57	100,553	3.81	7
Jeldu	33,701	12,953	14,637	0.43	104,397	6.26	9
Ambo	40,122	16,675	17,814	0.44	79,108	4.16	7
Cheliya	37,011	12,293	13,123	0.35	69,969	4.95	7
Bako Tibe	19,389	2,975	3,386	0.17	12,592	3.50	6
Dano	15,544	3,753	4,250	0.27	20,579	4.30	5
Nono	23,140	9,024	10,151	0.44	60,209	5.00	6
Tikur	12,596	4,318	4,401	0.35	19,740	4.40	8
Amaya	21,943	6,602	7,007	0.32	45,968	6.09	6
Wonchi	17,405	6,073	6,221	0.36	34,743	5.40	6
Dendi	37,106	16,986	18,205	0.49	144,609	7.40	12
Ejerie	15,219	7,625	8,947	0.59	82,719	7.76	9
Adda Berga	19,302	7,924	9,917	0.51	84,999	7.01	9
Walmara	17,073	8,064	9,361	0.55	110,423	9.96	10
Alem Gana	20,607	8,693	10,337	0.50	147,053	11.95	8
Kersana Kondaltiti	22,051	12,529	14,181	0.64	150,589	9.59	6
Tole	10,401	4,917	5,483	0.53	71,269	11.55	6
Elu	10,354	4,178	4,917	0.47	54,271	9.52	8
Dawo	13,068	6,192	7,055	0.54	69,153	8.70	8
Walisona Goro	35,633	7,213	7,841	0.22	46,486	5.52	7
Becho	11,294	4,985	5,493	0.49	54,782	8.92	7
Kokir	12,362	4,311	4,441	0.36	36,528	7.98	6
Meta Robi	23,639	7,182	8,539	0.36	53,799	5.30	11
North Shewa(Oromia) Zone	237,011	96,633	111,670	0.47	1,165,843	9.25	10
Wara Jarso	25,009	8,620	12,770	0.51	82,403	4.56	9
Dera	35,035	15,995	19,549	0.56	110,542	4.59	6
Hidabu Abote	15,884	4,166	5,308	0.33	41,403	6.22	7
Kuyu	20,090	6,461	7,537	0.38	51,093	5.91	10
Degem	17,936	6,290	7,116	0.40	67,344	8.50	10
Gerar Jarso	13,163	6,353	6,874	0.52	75,009	10.03	9
Yaya Gulelena Debre Libano	16,566	7,085	7,731	0.47	83,994	9.93	8
Wuchalena Jido	22,017	10,020	10,450	0.47	128,094	11.71	10
Abichuna Gna'a	11,868	4,879	5,230	0.44	42,735	7.64	11
Kembibit	10,860	3,865	3,996	0.37	53,878	12.91	10
Berehna Aleltu	24,774	11,538	12,787	0.52	221,716	15.39	11
Mulona Sululta	23,810	11,362	12,323	0.52	207,630	15.43	14

TABLE 8.18A: - Number of Holders Reporting Winnower (Wood) Owned, Quantity Reported, Replacement Value, and Duration of Service of Winnower, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Winnowers Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Winnower (Birr)	Average Duration of Service of Winnower (Years)
East Shewa Zone	314,966	87,286	100,425	0.32	1,173,224	10.15	7
Fentale	6,677	*	*	-	*	*	*
Boset	24,837	7,535	8,185	0.33	86,594	9.57	8
Adama	26,906	9,820	10,578	0.39	123,153	10.89	7
Lome	14,564	6,708	7,463	0.51	89,840	10.66	9
Gimbichu	15,569	8,362	9,155	0.59	141,718	14.21	10
Ada'a Liben Chukala	40,176	19,383	23,987	0.60	332,869	11.29	7
Dugda Bora	28,844	8,780	10,637	0.37	68,943	5.49	7
Adami Tullu Jido Kombolcha	23,794	1,492	1,492	0.06	13,623	9.13	7
Arsi Negele	26,584	8,188	9,275	0.35	74,917	7.12	6
Shashemene	46,108	8,869	9,850	0.21	99,390	9.05	6
Seraro	48,209	*	*	-	*	*	*
Akaki	12,696	7,279	8,816	0.69	131,301	12.34	7
Arsi Zone	493,007	231,749	252,307	0.51	2,225,894	8.07	9
Merti	22,750	11,687	12,415	0.55	136,623	10.23	9
Aseko	14,396	8,609	9,530	0.66	67,709	6.33	8
Gololcha	29,178	11,240	11,680	0.40	86,667	7.10	8
Jeju	22,217	8,483	8,821	0.40	116,558	12.64	7
Dodotana Sire	22,887	9,478	10,132	0.44	122,520	11.34	11
Zeway Dugda	21,200	5,682	6,029	0.28	63,043	9.85	10
Hitosa	39,229	21,229	23,356	0.60	275,069	10.73	11
Sude	25,501	10,437	11,091	0.43	98,262	8.20	9
Chole	15,918	8,486	9,355	0.59	100,668	9.68	9
Amigna	11,176	4,719	4,904	0.44	39,522	7.76	8
Seru	18,205	6,859	7,272	0.40	63,531	8.23	9
Robe	27,062	11,557	12,202	0.45	91,390	7.10	9
Tena	20,684	11,782	12,790	0.62	92,170	6.62	9
Sherka	26,405	13,938	15,283	0.58	105,136	6.24	12
Digeluna Tijo	22,181	12,156	13,281	0.60	112,501	7.65	10
Tiyo	15,978	8,541	9,802	0.61	142,586	12.60	11
Munesa	35,171	18,806	21,473	0.61	166,439	6.78	9
Bekoji	35,995	16,340	18,347	0.51	124,740	6.08	9
Gedeb	24,847	13,193	14,586	0.59	95,879	5.90	7
Kofele	42,028	18,527	19,957	0.47	124,881	5.80	9
West Harerge Zone	291,356	107,280	116,313	0.40	1,157,968	9.15	7
Mieso	16,400	4,974	5,392	0.33	80,370	14.01	5
Doba	22,768	11,150	11,994	0.53	94,208	7.31	10
Tulo	24,329	7,447	7,696	0.32	70,949	8.92	7
Mesela	25,840	6,928	7,127	0.28	47,970	6.46	6
Chiro	62,368	24,454	26,328	0.42	291,955	10.24	9
Goba Koricha	20,014	9,213	10,409	0.52	116,435	10.29	7
Anchar	13,430	7,142	8,062	0.60	71,323	8.01	7
Habro	30,386	8,168	9,111	0.30	91,644	8.51	7
Darolebu	26,978	10,399	10,890	0.40	82,373	7.20	5
Boke	22,144	6,207	6,665	0.30	63,268	8.80	7
Kuni	26,701	11,199	12,641	0.47	147,475	10.33	6
East Harerge Zone	387,193	87,873	95,304	0.25	584,543	5.65	7
Kombolcha	20,710	3,374	3,486	0.17	22,832	6.33	4
Jarso	17,052	3,204	3,361	0.20	24,334	6.91	6
Gursum	25,567	1,288	1,288	0.05	9,409	7.31	6
Babile	10,237	2,409	2,632	0.26	24,617	8.62	6
Fedis	24,565	11,328	13,633	0.55	109,477	6.71	8
Haro Maya	31,404	5,326	6,029	0.19	46,496	6.90	8
Kurfa Chele	7,122	1,699	1,768	0.25	13,487	7.33	9
Kersa	27,745	7,372	7,928	0.29	58,736	7.02	7

TABLE 8.18A: - Number of Holders Reporting Winnower (Wood) Owned, Quantity Reported, Replacement Value, and Duration of Service of Winnower, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Winnowers Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Winnower (Birr)	Average Duration of Service of Winnower (Years)
East Harerge Zone							
Meta	43,775	11,107	11,928	0.27	54,808	4.31	6
Goro Gutu	25,718	5,462	5,729	0.22	42,525	7.08	9
Deder	38,265	7,295	7,491	0.20	43,456	5.59	8
Malka Balo	24,930	5,922	6,254	0.25	46,069	6.90	6
Bedeno	43,356	11,156	12,515	0.29	40,241	2.89	7
Girawa	38,886	8,086	8,179	0.21	32,236	3.91	7
Gola Oda	7,861	2,845	3,082	0.39	15,819	4.72	5
Bale Zone	259,058	70,693	75,232	0.29	515,971	6.48	8
Kokosa	23,375	1,439	1,474	0.06	8,503	5.63	6
Dodola	23,650	11,238	12,478	0.53	60,714	4.34	7
Adaba	19,856	8,304	8,682	0.44	47,631	5.27	8
Agarfa	13,146	6,830	7,314	0.56	54,362	6.94	9
Gasera	12,088	3,707	3,812	0.32	36,642	9.35	8
Gololcha	14,914	4,997	5,145	0.34	39,650	7.50	11
Legehida	8,094	473	548	0.07	2,579	3.89	3
Ginir	21,653	7,123	7,495	0.35	65,670	8.23	7
Sinanana Dinsho	24,988	11,310	11,878	0.48	86,942	7.09	9
Goba	7,183	3,863	4,183	0.58	28,370	6.31	8
Mennana Arena Buluk	19,198	1,707	1,768	0.09	9,603	5.28	4
Nensebo	14,169	2,004	2,144	0.15	10,174	4.52	6
Meda Welabu	12,557	174	218	0.02	*	*	*
Berbere	10,213	1,022	1,112	0.11	8,471	6.99	5
Guradamole	4,160	1,031	1,044	0.25	6,808	6.46	5
Goro	15,934	5,204	5,652	0.35	46,377	7.77	7
Raytu	6,168	-	-	-	-	-	-
Seweyna	7,711	266	284	0.04	2,680	7.49	4
Borena Zone	283,104	7,559	10,340	0.04	49,937	3.68	4
Uraga	42,623	*	*	-	*	*	*
Bore	30,433	*	*	-	*	*	*
Adolana Wadera	22,616	1,450	1,997	0.09	6,432	2.34	4
Odo Shakiso	14,015	283	293	0.02	1,688	5.42	3
Hager Mariam	86,116	*	*	-	*	*	*
Yabelo	10,081	66	*	-	*	*	4
Arero	3,331	76	88	0.03	282	2.69	4
Liben	14,844	2,907	3,816	0.26	25,338	4.92	3
Moyale	10,736	*	*	-	*	*	*
Dire	13,719	961	1,578	0.12	6,760	3.36	5
Teltele	7,361	426	626	0.09	1,393	1.43	3
Gelana Abaya	27,229	*	*	-	*	*	*

TABLE 8. 19A: - Number of Holders Reporting Cart Owned, Quantity Reported, Replacement Value, Duration of Service of Cart, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Carts Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Cart (Birr)	Average Duration of Service of Cart (Years)
Oromia Region	3,981,704	37,604	43,940	0.01	6,970,164	147.37	6
West Welega Zone	313,923	149	149	0.00	383	2.57	3
Mana Sibu	27,022	*	*	-	*	*	*
Nejo	17,916	*	*	-	*	*	*
Gimbi	17,096	*	*	-	*	*	*
Lalo Asabi	10,906	-	-	-	-	-	-
Boji	15,188	-	-	-	-	-	-
Ayra Guliso	16,371	-	-	-	-	-	-
Jarso	16,190	-	-	-	-	-	-
Gidami	13,636	*	*	-	*	*	*
Jimma Horo	6,869	-	-	-	-	-	-
Hawa Welel	17,315	-	-	-	-	-	-
Gawo Dale	23,820	-	-	-	-	-	-
Dale Sadi	11,117	-	-	-	-	-	-
Yubdo	5,640	-	-	-	-	-	-
Ganji	9,611	-	-	-	-	-	-
Haru	11,508	-	-	-	-	-	-
Nole Kaba	23,388	*	*	-	*	*	*
Lalo Kilie	7,900	-	-	-	-	-	-
Sayo	19,844	*	*	-	*	*	*
Anfilo	11,848	-	-	-	-	-	-
Begi	30,734	-	-	-	-	-	-
East Welega Zone	260,893	272	272	0.00	129,133	474.75	4
Limu	20,690	-	-	-	-	-	-
Ibantu	5,087	*	*	-	*	*	*
Gida Kiremu	22,168	-	-	-	-	-	-
Jarte	7,363	-	-	-	-	-	-
Amuru	7,739	*	*	-	*	*	*
Abe Dongoro	9,470	-	-	-	-	-	-
Jimma Horo	24,023	-	-	-	-	-	-
Abay Chomen	4,715	*	*	-	*	*	*
Guduru	21,520	*	*	-	*	*	*
Jimma Rare	7,738	83	83	0.01	69,687	839.60	3
Bila Seyo	13,470	-	-	-	-	-	-
Sibu Sire	15,203	-	-	-	-	-	-
Guto Wayu	28,487	-	-	-	-	-	-
Sasiga	11,346	-	-	-	-	-	-
Leka Dulecha	10,555	-	-	-	-	-	-
Diga	11,868	*	*	-	*	*	*
Jimma Arjo	13,333	-	-	-	-	-	-
Nunu Kumba	10,438	*	*	-	*	*	*
Wama Bonaya	15,680	-	-	-	-	-	-
Illibabor Zone	195,287	*	*	-	*	*	*
Darimu	22,324	-	-	-	-	-	-
Supena Sodo	13,139	-	-	-	-	-	-
Chora	19,554	-	-	-	-	-	-
Dega	10,191	-	-	-	-	-	-
Bedele	20,513	*	*	-	*	*	*
Gechi	10,893	-	-	-	-	-	-
Borecha Wereda	9,030	-	-	-	-	-	-
Dedesa	14,033	-	-	-	-	-	-
yayu	19,201	-	-	-	-	-	-
Metu	22,651	*	*	-	*	*	*

TABLE 8. 19A: - Number of Holders Reporting Cart Owned, Quantity Reported, Replacement Value, Duration of Service of Cart, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Carts Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Cart (Birr)	Average Duration of Service of Cart (Years)
Illibabor Zone							
Ale	17,356	-	-	-	-	-	-
Bure	11,992	-	-	-	-	-	-
Nono	4,411	-	-	-	*	-	-
Jimma Zone	443,315	*	*	-	*	*	*
Limu Seka	29,245	-	-	-	-	-	-
Limu Kosa	45,921	-	-	-	-	-	-
Sokoru	25,586	-	-	-	-	-	-
Tiro Afeta	24,135	-	-	-	-	-	-
Kersa	29,474	*	*	-	*	*	*
Mana	27,816	-	-	-	-	-	-
Goma	49,523	-	-	-	-	-	-
Gera	20,803	-	-	-	-	-	-
Seka chekorsa	56,422	*	*	-	*	*	*
Dedo	54,035	-	-	-	-	-	-
Omonada	45,972	-	-	-	-	-	-
Sigmo	16,132	-	-	-	-	-	-
Setema	18,249	-	-	-	-	-	-
West Shewa Zone	502,591	2,274	2,587	0.01	757,367	267.39	5
Ginde Beret	33,630	-	-	-	-	-	-
Jeldu	33,701	-	-	-	-	-	-
Ambo	40,122	-	-	-	-	-	-
Cheliya	37,011	*	*	-	*	*	*
Bako Tibe	19,389	*	*	-	*	*	*
Dano	15,544	-	-	-	-	-	-
Nono	23,140	*	*	-	*	*	*
Tikur	12,596	-	-	-	-	-	-
Amaya	21,943	-	-	-	-	-	-
Wonchi	17,405	-	-	-	-	-	-
Dendi	37,106	-	-	-	-	-	-
Ejerie	15,219	*	*	-	*	*	*
Adda Berga	19,302	-	-	-	-	-	-
Walmara	17,073	1,189	1,341	0.08	54,689	38.04	5
Alem Gana	20,607	*	*	-	*	*	*
Kersana Kondaltiti	22,051	*	*	-	*	*	*
Tole	10,401	118	131	0.01	135,505	924.64	6
Elu	10,354	134	147	0.01	151,375	923.97	5
Dawo	13,068	*	*	-	*	*	*
Walisona Goro	35,633	-	-	-	-	-	-
Becho	11,294	*	*	-	*	*	*
Kokir	12,362	*	*	-	*	*	*
Meta Robi	23,639	-	-	-	-	-	-
North Shewa(Oromia) Zone	237,011	204	262	0.00	*	*	5
Wara Jarso	25,009	-	-	-	-	-	-
Dera	35,035	-	-	-	-	-	-
Hidabu Abote	15,884	-	-	-	-	-	-
Kuyu	20,090	-	-	-	-	-	-
Degem	17,936	*	*	-	*	*	*
Gerar Jarso	13,163	-	-	-	-	-	-
Yaya Gulelena Debre Libano	16,566	*	*	-	*	*	*
Wuchalena Jido	22,017	-	-	-	-	-	-
Abichuna Gna'a	11,868	-	-	-	-	-	-
Kembibit	10,860	-	-	-	-	-	-
Berehna Aleltu	24,774	-	-	-	-	-	-
Mulona Sululta	23,810	*	*	-	*	*	*

TABLE 8. 19A: - Number of Holders Reporting Cart Owned, Quantity Reported, Replacement Value, Duration of Service of Cart, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Carts Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Cart (Birr)	Average Duration of Service of Cart (Years)
East Shewa Zone	314,966	11,418	11,971	0.04	4,408,206	339.77	10
Fentale	6,677	-	-	-	-	-	-
Boset	24,837	-	-	-	-	-	-
Adama	26,906	*	*	-	*	*	*
Lome	14,564	*	*	-	*	*	*
Gimbichu	15,569	-	-	-	-	-	-
Ada'a Liben Chukala	40,176	*	*	-	*	*	*
Dugda Bora	28,844	5,560	5,765	0.20	1,228,225	207.11	11
Adami Tullu Jido Kombolcha	23,794	2,464	2,518	0.11	703,475	273.22	10
Arsi Negele	26,584	1,071	1,100	0.04	409,162	*	6
Shashemene	46,108	2,100	2,349	0.05	1,906,021	711.29	9
Seraro	48,209	*	*	-	*	*	*
Akaki	12,696	*	*	-	*	*	*
Arsi Zone	493,007	14,723	16,979	0.03	1,236,247	68.92	5
Merti	22,750	*	*	-	*	*	*
Aseko	14,396	*	*	-	*	*	*
Gololcha	29,178	-	-	-	-	-	-
Jeju	22,217	*	*	-	*	*	*
Dodotana Sire	22,887	360	386	0.02	220,155	*	7
Zeway Dugda	21,200	565	620	0.03	265,182	426.83	17
Hitosa	39,229	*	*	-	*	*	*
Sude	25,501	1,038	1,100	0.04	14,908	12.93	3
Chole	15,918	*	*	-	*	*	*
Amigna	11,176	-	-	-	-	-	-
Seru	18,205	*	*	-	*	*	*
Robe	27,062	1,562	1,588	0.06	22,651	14.01	3
Tena	20,684	-	-	-	-	-	-
Sherka	26,405	*	*	-	*	*	*
Digeluna Tijo	22,181	1,504	*	-	*	*	4
Tiyo	15,978	3,715	4,240	0.27	171,108	36.10	4
Munesa	35,171	2,010	2,542	0.07	*	*	5
Bekoji	35,995	447	482	0.01	34,674	71.21	9
Gedeb	24,847	1,698	1,798	0.07	*	*	3
Kofele	42,028	*	*	-	*	*	*
West Harerge Zone	291,356	431	*	-	7,832	*	7
Mieso	16,400	-	-	-	-	-	-
Doba	22,768	-	-	-	-	-	-
Tulo	24,329	-	-	-	-	-	-
Mesela	25,840	*	*	-	*	*	*
Chiro	62,368	*	*	-	*	*	*
Goba Koricha	20,014	*	*	-	*	*	*
Anchar	13,430	-	-	-	-	-	-
Habro	30,386	-	-	-	-	-	-
Darolebu	26,978	*	*	-	*	*	*
Boke	22,144	-	-	-	-	-	-
Kuni	26,701	-	-	-	-	-	-
East Harerge Zone	387,193	777	964	0.00	*	*	7
Kombolcha	20,710	-	-	-	-	-	-
Jarso	17,052	-	-	-	-	-	-
Gursum	25,567	*	*	-	*	*	*
Babile	10,237	-	-	-	-	-	-
Fedis	24,565	*	*	-	*	*	*
Haro Maya	31,404	*	*	-	*	*	*
Kurfa Chele	7,122	-	-	-	-	-	-
Kersa	27,745	*	*	-	*	*	*

TABLE 8. 19A: - Number of Holders Reporting Cart Owned, Quantity Reported, Replacement Value, Duration of Service of Cart, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Carts Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Cart (Birr)	Average Duration of Service of Cart (Years)
East Harerge Zone							
Meta	43,775	*	*	-	*	*	*
Goro Gutu	25,718	*	*	-	*	*	*
Deder	38,265	-	-	-	-	-	-
Malka Balo	24,930	*	*	-	*	*	*
Bedeno	43,356	*	*	-	*	*	*
Girawa	38,886	*	*	-	*	*	*
Gola Oda	7,861	*	*	-	*	*	*
Bale Zone	259,058	3,802	4,375	0.02	260,690	58.36	4
Kokosa	23,375	*	*	-	*	*	*
Dodola	23,650	1,260	1,591	0.07	17,125	8.37	*
Adaba	19,856	*	*	-	*	*	*
Agarfa	13,146	*	*	-	*	*	*
Gasera	12,088	294	345	0.03	2,781	7.24	3
Gololcha	14,914	*	*	-	*	*	*
Legehida	8,094	-	-	-	-	-	-
Ginir	21,653	173	173	0.01	*	*	*
Sinanana Dinsho	24,988	*	*	-	8,850	*	*
Goba	7,183	-	-	-	-	-	-
Mennana Arena Buluk	19,198	-	-	-	-	-	-
Nensebo	14,169	-	-	-	-	-	-
Meda Welabu	12,557	-	-	-	-	-	-
Berbere	10,213	-	-	-	-	-	-
Guradamole	4,160	-	-	-	-	-	-
Goro	15,934	*	*	-	*	*	*
Raytu	6,168	-	-	-	-	-	-
Seweyna	7,711	-	-	-	-	-	-
Borena Zone	283,104	*	*	-	*	*	*
Uraga	42,623	-	-	-	-	-	-
Bore	30,433	*	*	-	*	*	*
Adolana Wadera	22,616	*	*	-	*	*	*
Odo Shakiso	14,015	43	43	0.00	2,129	49.51	2
Hager Mariam	86,116	*	*	-	*	*	*
Yabelo	10,081	-	-	-	-	-	-
Arero	3,331	-	-	-	-	-	-
Liben	14,844	-	-	-	-	-	-
Moyale	10,736	-	-	-	-	-	-
Dire	13,719	-	-	-	-	-	-
Teltele	7,361	-	-	-	-	-	-
Gelana Abaya	27,229	-	-	-	-	-	-

TABLE 8. 20A: - Number of Holders Reporting Sprayer (Hand operated) Owned, Quantity Reported, Replacement Value, Duration of Service of Sprayer, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Sprayers Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Sprayer (Birr)	Average Duration of Service of Sprayer (Years)
Oromia Region	3,981,704	57,062	61,051	0.02	15,408,997	248.90	8
West Welega Zone	313,923	3,181	3,876	0.01	445,084	113.82	5
Mana Sibu	27,022	494	675	0.02	*	*	*
Nejo	17,916	*	*	-	*	*	*
Gimbi	17,096	169	169	0.01	30,298	179.28	6
Lalo Asabi	10,906	199	256	0.02	19,347	74.86	5
Boji	15,188	129	208	0.01	*	*	8
Ayra Guliso	16,371	100	100	0.01	*	*	*
Jarso	16,190	*	*	-	*	*	*
Gidami	13,636	349	390	0.03	64,941	165.85	6
Jimma Horo	6,869	124	124	0.02	37,332	301.06	5
Hawa Welel	17,315	175	195	0.01	*	*	5
Gawo Dale	23,820	359	455	0.02	*	*	5
Dale Sadi	11,117	90	90	0.01	*	*	*
Yubdo	5,640	*	*	-	*	*	*
Ganji	9,611	*	*	-	*	*	*
Haru	11,508	156	156	0.01	*	*	6
Nole Kaba	23,388	*	*	-	*	*	*
Lalo Kilie	7,900	45	*	-	*	*	*
Sayo	19,844	138	209	0.01	*	*	7
Anfilo	11,848	138	162	0.01	36,203	221.74	5
Begi	30,734	198	238	0.01	*	*	*
East Welega Zone	260,893	1,904	2,752	0.01	276,158	99.09	6
Limu	20,690	*	*	-	*	*	*
Ibantu	5,087	*	*	-	*	*	*
Gida Kiremu	22,168	236	*	-	*	*	*
Jarte	7,363	58	97	0.01	*	*	5
Amuru	7,739	*	*	-	*	*	*
Abe Dongoro	9,470	*	*	-	*	*	*
Jimma Horo	24,023	*	*	-	*	*	*
Abay Chomen	4,715	67	*	-	*	*	*
Guduru	21,520	171	171	0.01	55,709	325.78	*
Jimma Rare	7,738	84	84	0.01	25,228	300.34	6
Bila Seyo	13,470	174	257	0.02	*	*	6
Sibu Sire	15,203	112	129	0.01	*	*	6
Guto Wayu	28,487	*	*	-	*	*	*
Sasiga	11,346	92	192	0.02	1,052	2.64	4
Leka Dulecha	10,555	*	*	-	*	*	*
Diga	11,868	134	238	0.02	823	*	5
Jimma Arjo	13,333	*	*	-	*	*	*
Nunu Kumba	10,438	*	*	-	*	*	*
Wama Bonaya	15,680	*	*	-	*	*	*
Illibabor Zone	195,287	2,308	2,466	0.01	398,745	161.40	8
Darimu	22,324	258	258	0.01	*	*	6
Supena Sodo	13,139	68	68	0.01	*	*	*
Chora	19,554	450	450	0.02	93,927	208.73	7
Dega	10,191	*	*	-	*	*	*
Bedele	20,513	161	219	0.01	*	*	6
Gechi	10,893	*	*	-	*	*	*
Borecha Wereda	9,030	136	147	0.02	30,580	207.74	5
Dedesa	14,033	183	183	0.01	23,238	126.98	8
yayu	19,201	333	333	0.02	67,030	201.29	6
Metu	22,651	232	232	0.01	*	*	8

TABLE 8. 20A: - Number of Holders Reporting Sprayer (Hand operated) Owned, Quantity Reported, Replacement Value, Duration of Service of Sprayer, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Sprayers Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Sprayer (Birr)	Average Duration of Service of Sprayer (Years)
Illibabor Zone							
Ale	17,356	255	255	0.01	54,547	213.91	13
Bure	11,992	117	151	0.01	*	*	*
Nono	4,411	-	-	-	-	-	-
Jimma Zone	443,315	10,365	10,740	0.02	2,972,439	273.30	8
Limu Seka	29,245	487	525	0.02	147,460	279.40	5
Limu Kosa	45,921	2,315	2,315	0.05	585,602	252.96	7
Sokoru	25,586	*	*	-	*	*	*
Tiro Afeta	24,135	494	556	0.02	150,177	268.97	8
Kersa	29,474	872	872	0.03	355,304	407.46	11
Mana	27,816	142	142	0.01	*	*	*
Goma	49,523	887	1,022	0.02	252,560	213.51	7
Gera	20,803	1,387	1,387	0.07	436,669	314.83	8
Seka chekorsa	56,422	866	866	0.02	203,067	234.49	10
Dedo	54,035	1,117	1,117	0.02	399,850	357.97	12
Omonada	45,972	955	1,023	0.02	210,480	204.75	7
Sigmo	16,132	402	448	0.03	105,411	234.42	8
Setema	18,249	354	354	0.02	91,950	259.75	8
West Shewa Zone	502,591	9,958	10,122	0.02	3,059,290	300.80	8
Ginde Beret	33,630	1,439	1,439	0.04	570,815	396.68	7
Jeldu	33,701	465	502	0.01	177,031	352.36	11
Ambo	40,122	835	835	0.02	288,978	346.08	10
Cheliya	37,011	262	262	0.01	*	*	*
Bako Tibe	19,389	93	93	0.00	*	*	*
Dano	15,544	326	362	0.02	79,660	219.91	9
Nono	23,140	728	728	0.03	325,727	447.43	8
Tikur	12,596	139	139	0.01	28,174	202.69	8
Amaya	21,943	254	254	0.01	83,021	326.86	6
Wonchi	17,405	174	174	0.01	47,092	270.64	5
Dendi	37,106	275	275	0.01	70,419	256.07	13
Ejerie	15,219	159	159	0.01	34,166	214.88	13
Adda Berga	19,302	507	507	0.03	167,494	330.36	11
Walmara	17,073	471	471	0.03	151,780	322.25	10
Alem Gana	20,607	336	385	0.02	69,713	179.56	8
Kersana Kondaltiti	22,051	*	*	-	207,165	*	*
Tole	10,401	287	287	0.03	130,881	456.03	10
Elu	10,354	177	203	0.02	51,093	229.91	11
Dawo	13,068	170	187	0.01	97,028	468.64	11
Walisona Goro	35,633	214	214	0.01	*	*	*
Becho	11,294	502	502	0.04	110,233	219.59	6
Kokir	12,362	366	366	0.03	59,780	163.33	3
Meta Robi	23,639	440	440	0.02	136,667	310.61	10
North Shewa(Oromia) Zone	237,011	2,574	3,051	0.01	576,480	185.16	7
Wara Jarso	25,009	205	338	0.01	*	*	5
Dera	35,035	*	*	-	*	*	*
Hidabu Abote	15,884	121	179	0.01	*	*	9
Kuyu	20,090	133	133	0.01	*	*	12
Degem	17,936	*	*	-	*	*	*
Gerar Jarso	13,163	*	*	-	*	*	*
Yaya Gulelena Debre Libano	16,566	*	*	-	*	*	*
Wuchalena Jido	22,017	378	491	0.02	36,865	*	2
Abichuna Gna'a	11,868	*	*	-	*	*	*
Kembibit	10,860	60	74	0.01	*	*	*
Berehna Aleltu	24,774	174	*	-	5,730	*	3
Mulona Sululta	23,810	*	*	-	*	*	*

TABLE 8. 20A: - Number of Holders Reporting Sprayer (Hand operated) Owned, Quantity Reported, Replacement Value, Duration of Service of Sprayer, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Sprayers Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Sprayer (Birr)	Average Duration of Service of Sprayer (Years)
East Shewa Zone	314,966	7,074	7,134	0.02	2,395,544	333.24	9
Fentale	6,677	60	60	0.01	*	*	*
Boset	24,837	197	197	0.01	67,651	343.41	5
Adama	26,906	875	902	0.03	361,759	381.69	8
Lome	14,564	1,017	1,035	0.07	407,156	393.05	13
Gimbichu	15,569	126	126	0.01	55,319	439.04	10
Ada'a Liben Chukala	40,176	1,750	1,750	0.04	803,265	459.01	9
Dugda Bora	28,844	608	608	0.02	131,858	216.87	10
Adami Tullu Jido Kombolcha	23,794	156	156	0.01	*	*	5
Arsi Negele	26,584	208	208	0.01	75,756	364.21	15
Shashemene	46,108	736	736	0.02	193,689	263.16	8
Seraro	48,209	*	*	-	*	*	*
Akaki	12,696	1,235	1,251	0.10	223,253	178.15	5
Arsi Zone	493,007	9,272	9,893	0.02	3,169,568	310.96	9
Merti	22,750	*	*	-	*	*	*
Aseko	14,396	449	449	0.03	215,437	479.81	12
Gololcha	29,178	221	221	0.01	72,481	327.97	13
Jeju	22,217	252	252	0.01	86,434	342.99	7
Dodotana Sire	22,887	411	443	0.02	202,668	426.21	9
Zeway Dugda	21,200	462	489	0.02	113,038	230.67	10
Hitosa	39,229	991	991	0.03	378,428	381.86	10
Sude	25,501	*	*	-	*	*	*
Chole	15,918	148	148	0.01	36,427	246.13	9
Amigna	11,176	167	180	0.02	78,021	394.35	9
Seru	18,205	295	295	0.02	108,552	367.97	8
Robe	27,062	273	273	0.01	110,262	403.89	10
Tena	20,684	158	158	0.01	54,637	345.80	12
Sherka	26,405	516	516	0.02	108,285	209.85	14
Digeluna Tijo	22,181	*	*	-	*	*	*
Tiyo	15,978	272	326	0.02	100,989	296.51	12
Munesa	35,171	713	713	0.02	318,310	446.44	11
Bekoji	35,995	611	897	0.02	182,710	202.42	8
Gedeb	24,847	1,721	1,721	0.07	199,151	115.72	2
Kofele	42,028	520	520	0.01	165,938	319.11	8
West Harerge Zone	291,356	1,862	1,862	0.01	498,469	267.71	7
Mieso	16,400	*	*	-	*	*	*
Doba	22,768	*	*	-	*	*	*
Tulo	24,329	*	*	-	*	*	*
Mesela	25,840	*	*	-	*	*	*
Chiro	62,368	*	*	-	*	*	*
Goba Koricha	20,014	*	*	-	*	*	*
Anchar	13,430	72	72	0.01	*	*	*
Habro	30,386	676	676	0.02	183,031	270.76	6
Darolebu	26,978	119	119	0.00	*	*	10
Boke	22,144	*	*	-	*	*	*
Kuni	26,701	282	282	0.01	*	*	5
East Harerge Zone	387,193	2,575	2,658	0.01	261,660	97.84	8
Kombolcha	20,710	150	171	0.01	*	*	7
Jarso	17,052	-	-	-	-	-	-
Gursum	25,567	*	*	-	*	*	*
Babile	10,237	-	-	-	-	-	-
Fedis	24,565	*	*	-	*	*	*
Haro Maya	31,404	814	814	0.03	128,032	157.29	12
Kurfa Chele	7,122	*	*	-	*	*	*
Kersa	27,745	138	138	0.00	*	*	*

TABLE 8. 20A: - Number of Holders Reporting Sprayer (Hand operated) Owned, Quantity Reported, Replacement Value, Duration of Service of Sprayer, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Sprayers Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Sprayer (Birr)	Average Duration of Service of Sprayer (Years)
East Harerge Zone							
Meta	43,775	*	*	-	*	*	*
Goro Gutu	25,718	*	*	-	*	*	*
Deder	38,265	*	*	-	*	*	*
Malka Balo	24,930	128	128	0.01	*	*	*
Bedeno	43,356	871	932	0.02	*	*	5
Girawa	38,886	-	-	-	-	-	-
Gola Oda	7,861	-	-	-	-	-	-
Bale Zone	259,058	4,548	4,724	0.02	1,294,342	268.40	7
Kokosa	23,375	*	*	-	*	*	*
Dodola	23,650	255	255	0.01	68,200	267.45	10
Adaba	19,856	793	822	0.04	280,015	324.72	6
Agarfa	13,146	438	438	0.03	145,675	332.59	9
Gasera	12,088	585	585	0.05	55,632	94.26	3
Gololcha	14,914	194	194	0.01	*	*	7
Legehida	8,094	*	*	-	*	*	*
Ginir	21,653	123	123	0.01	39,377	320.14	14
Sinanana Dinsho	24,988	910	910	0.04	304,966	335.13	8
Goba	7,183	99	99	0.01	31,854	321.76	9
Mennana Arena Buluk	19,198	218	242	0.01	62,195	255.99	8
Nensebo	14,169	235	235	0.02	*	*	8
Meda Welabu	12,557	*	*	-	*	*	*
Berbere	10,213	196	212	0.02	63,062	296.59	5
Guradamole	4,160	31	43	0.01	*	*	12
Goro	15,934	269	317	0.02	114,406	325.03	*
Raytu	6,168	*	*	-	*	*	*
Seweyna	7,711	*	*	-	*	*	*
Borena Zone	283,104	1,443	1,773	0.01	*	*	7
Uraga	42,623	*	*	-	*	*	*
Bore	30,433	*	*	-	*	*	*
Adolana Wadera	22,616	*	*	-	*	*	*
Odo Shakiso	14,015	134	175	0.01	1,493	6.20	5
Hager Mariam	86,116	428	*	-	*	*	*
Yabelo	10,081	*	*	-	*	*	*
Arero	3,331	*	*	-	*	*	*
Liben	14,844	*	*	-	*	*	*
Moyale	10,736	*	*	-	*	*	*
Dire	13,719	*	*	-	*	*	*
Teltele	7,361	-	-	-	-	-	-
Gelana Abaya	27,229	*	*	-	*	*	*

TABLE 8.21A: - Number of Holders Reporting Wheelbarrow Owned, Quantity Reported, Replacement Value and Duration of Service of Wheelbarrow, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Wheelbarrows Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Wheelbarrow (Birr)	Average Duration of Service of Wheelbarrow (Years)
Oromia Region	3,981,704	13,992	14,480	0.00	1,516,648	102.71	9
West Welega Zone	313,923	465	515	0.00	19,522	37.03	5
Mana Sibu	27,022	*	*	-	*	*	*
Nejo	17,916	-	-	-	-	-	-
Gimbi	17,096	*	*	-	*	*	-
Lalo Asabi	10,906	*	*	-	*	*	*
Boji	15,188	*	*	-	*	*	*
Ayra Guliso	16,371	-	-	-	-	-	-
Jarso	16,190	*	*	-	*	*	*
Gidami	13,636	*	*	-	*	*	*
Jimma Horo	6,869	-	-	-	-	-	-
Hawa Welel	17,315	-	-	-	-	-	-
Gawo Dale	23,820	-	-	-	-	-	-
Dale Sadi	11,117	-	-	-	-	-	-
Yubdo	5,640	-	-	-	-	-	-
Ganji	9,611	-	-	-	-	-	-
Haru	11,508	*	*	-	*	*	*
Nole Kaba	23,388	-	-	-	-	-	-
Lalo Kilie	7,900	-	-	-	-	-	-
Sayo	19,844	*	*	-	10,331	*	*
Anfilo	11,848	*	*	-	*	*	*
Begi	30,734	*	*	-	*	*	*
East Welega Zone	260,893	279	331	0.00	11,429	28.19	*
Limu	20,690	*	*	-	*	*	*
Ibantu	5,087	-	-	-	-	-	-
Gida Kiremu	22,168	166	*	-	*	*	*
Jarte	7,363	*	*	-	*	*	*
Amuru	7,739	-	-	-	-	-	-
Abe Dongoro	9,470	*	*	-	*	*	*
Jimma Horo	24,023	-	-	-	-	-	-
Abay Chomen	4,715	-	-	-	-	-	-
Guduru	21,520	-	-	-	-	-	-
Jimma Rare	7,738	-	-	-	-	-	-
Bila Seyo	13,470	-	-	-	-	-	-
Sibu Sire	15,203	*	*	-	*	*	*
Guto Wayu	28,487	-	-	-	-	-	-
Sasiga	11,346	-	-	-	-	-	-
Leka Dulecha	10,555	-	-	-	-	-	-
Diga	11,868	-	-	-	-	-	-
Jimma Arjo	13,333	-	-	-	-	-	-
Nunu Kumba	10,438	-	-	-	-	-	-
Wama Bonaya	15,680	-	-	-	-	-	-
Illibabor Zone	195,287	532	532	0.00	40,112	75.40	6
Darimu	22,324	-	-	-	-	-	-
Supena Sodo	13,139	130	130	0.01	*	*	5
Chora	19,554	*	*	-	*	*	*
Dega	10,191	-	-	-	-	-	-
Bedele	20,513	*	*	-	*	*	*
Gechi	10,893	-	-	-	-	-	-
Borecha Wereda	9,030	-	-	-	-	-	-
Dedesa	14,033	*	*	-	*	*	*
yayu	19,201	*	*	-	*	*	*
Metu	22,651	130	130	0.01	*	*	*

TABLE 8.21A: - Number of Holders Reporting Wheelbarrow Owned, Quantity Reported, Replacement Value and Duration of Service of Wheelbarrow, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Wheelbarrows Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Wheelbarrow (Birr)	Average Duration of Service of Wheelbarrow (Years)
Illibabor Zone							
Ale	17,356	-	-	-	-	-	-
Bure	11,992	*	*	-	*	*	*
Nono	4,411	-	-	-	-	-	-
Jimma Zone	443,315	1,570	1,633	0.00	126,015	75.23	14
Limu Seka	29,245	*	*	-	*	*	*
Limu Kosa	45,921	*	*	-	*	*	*
Sokoru	25,586	*	*	-	*	*	*
Tiro Afeta	24,135	*	*	-	*	*	*
Kersa	29,474	155	155	0.01	12,438	80.24	*
Mana	27,816	*	*	-	*	*	*
Goma	49,523	630	693	0.01	36,522	48.14	8
Gera	20,803	-	-	-	-	-	-
Seka chekorsa	56,422	*	*	-	*	*	*
Dedo	54,035	*	*	-	*	*	-
Omonada	45,972	*	*	-	*	*	*
Sigmo	16,132	-	-	-	-	-	-
Setema	18,249	-	-	-	-	-	-
West Shewa Zone	502,591	968	1,064	0.00	98,663	90.96	15
Ginde Beret	33,630	*	*	-	*	*	*
Jeldu	33,701	-	-	-	-	-	-
Ambo	40,122	-	-	-	-	-	-
Cheliya	37,011	*	*	-	*	*	*
Bako Tibe	19,389	*	*	-	*	*	*
Dano	15,544	*	*	-	*	*	*
Nono	23,140	-	-	-	-	-	-
Tikur	12,596	*	*	-	*	*	*
Amaya	21,943	-	-	-	-	-	-
Wonchi	17,405	*	*	-	*	*	*
Dendi	37,106	*	*	-	*	*	*
Ejerie	15,219	*	*	-	*	*	*
Adda Berga	19,302	*	*	-	*	*	*
Walmara	17,073	*	*	-	*	*	*
Alem Gana	20,607	325	325	0.02	44,000	135.86	14
Kersana Kondaltiti	22,051	*	*	-	*	*	*
Tole	10,401	-	-	-	-	-	-
Elu	10,354	*	*	-	*	*	*
Dawo	13,068	-	-	-	-	-	-
Walisona Goro	35,633	*	*	-	*	*	*
Becho	11,294	*	*	-	*	*	*
Kokir	12,362	-	-	-	-	-	-
Meta Robi	23,639	*	*	-	*	*	*
North Shewa(Oromia) Zone	237,011	146	146	0.00	*	*	*
Wara Jarso	25,009	*	*	-	*	*	*
Dera	35,035	-	-	-	-	-	-
Hidabu Abote	15,884	-	-	-	-	-	-
Kuyu	20,090	-	-	-	-	-	-
Degem	17,936	*	*	-	*	*	*
Gerar Jarso	13,163	-	-	-	-	-	-
Yaya Gulelena Debre Libano	16,566	-	-	-	-	-	-
Wuchalena Jido	22,017	-	-	-	-	-	-
Abichuna Gna'a	11,868	*	*	-	*	*	*
Kembibit	10,860	*	*	-	*	*	*
Berehna Aleltu	24,774	*	*	-	*	*	*
Mulona Sululta	23,810	-	-	-	-	-	-

TABLE 8.21A: - Number of Holders Reporting Wheelbarrow Owned, Quantity Reported, Replacement Value and Duration of Service of Wheelbarrow, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Wheelbarrows Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Wheelbarrow (Birr)	Average Duration of Service of Wheelbarrow (Years)
East Shewa Zone	314,966	3,378	3,452	0.01	419,748	120.73	7
Fentale	6,677	-	-	-	-	-	-
Boset	24,837	*	*	-	*	*	*
Adama	26,906	289	314	0.01	55,351	171.78	10
Lome	14,564	308	308	0.02	58,806	190.93	8
Gimbichu	15,569	-	-	-	-	-	-
Ada'a Liben Chukala	40,176	*	*	-	*	*	*
Dugda Bora	28,844	*	*	-	*	*	*
Adami Tullu Jido Kombolcha	23,794	*	*	-	*	*	*
Arsi Negele	26,584	*	*	-	*	*	*
Shashemene	46,108	1,459	1,508	0.03	149,665	98.20	6
Seraro	48,209	377	377	0.01	41,240	109.39	9
Akaki	12,696	*	*	-	*	*	*
Arsi Zone	493,007	1,467	1,467	0.00	109,994	74.98	9
Merti	22,750	-	-	-	-	-	-
Aseko	14,396	-	-	-	-	-	-
Gololcha	29,178	-	-	-	-	-	-
Jeju	22,217	*	*	-	*	*	*
Dodotana Sire	22,887	*	*	-	*	*	*
Zeway Dugda	21,200	*	*	-	*	*	*
Hitosa	39,229	*	*	-	*	*	*
Sude	25,501	*	*	-	*	*	*
Chole	15,918	-	-	-	-	-	-
Amigna	11,176	*	*	-	*	*	*
Seru	18,205	-	-	-	-	-	-
Robe	27,062	-	-	-	-	-	-
Tena	20,684	-	-	-	-	-	-
Sherka	26,405	-	-	-	-	-	-
Digeluna Tijo	22,181	112	112	0.01	*	*	*
Tiyo	15,978	159	159	0.01	18,172	114.29	9
Munesa	35,171	-	-	-	-	-	-
Bekoji	35,995	*	*	-	*	*	*
Gedeb	24,847	665	665	0.03	24,416	36.72	8
Kofele	42,028	*	*	-	*	*	*
West Harerge Zone	291,356	1,986	2,052	0.01	367,308	172.85	11
Mieso	16,400	*	*	-	*	*	*
Doba	22,768	-	-	-	-	-	-
Tulo	24,329	*	*	-	*	*	*
Mesela	25,840	*	*	-	*	*	*
Chiro	62,368	*	*	-	*	*	*
Goba Koricha	20,014	-	-	-	-	-	-
Anchar	13,430	-	-	-	-	-	-
Habro	30,386	882	918	0.03	163,219	170.05	8
Darolebu	26,978	647	678	0.03	130,354	184.13	9
Boke	22,144	*	*	-	*	*	*
Kuni	26,701	*	*	-	*	*	*
East Harerge Zone	387,193	1,774	1,817	0.00	233,598	126.20	8
Kombolcha	20,710	451	451	0.02	95,386	211.50	6
Jarso	17,052	*	*	-	*	*	*
Gursum	25,567	*	*	-	*	*	*
Babile	10,237	*	*	-	*	*	*
Fedis	24,565	-	-	-	-	-	-
Haro Maya	31,404	842	842	0.03	85,599	101.66	7
Kurfa Chele	7,122	*	*	-	*	*	*
Kersa	27,745	-	-	-	-	-	-

TABLE 8.21A: - Number of Holders Reporting Wheelbarrow Owned, Quantity Reported, Replacement Value and Duration of Service of Wheelbarrow, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Wheelbarrows Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Wheelbarrow (Birr)	Average Duration of Service of Wheelbarrow (Years)
East Harerge Zone							
Meta	43,775	*	*	-	*	*	*
Goro Gutu	25,718	*	*	-	*	*	*
Deder	38,265	*	*	-	*	*	*
Malka Balo	24,930	114	114	0.00	*	*	*
Bedeno	43,356	*	*	-	*	*	*
Girawa	38,886	-	-	-	-	-	-
Gola Oda	7,861	-	-	-	-	-	-
Bale Zone	259,058	399	428	0.00	14,663	31.58	5
Kokosa	23,375	*	*	-	*	*	*
Dodola	23,650	*	*	-	*	*	*
Adaba	19,856	*	*	-	*	*	*
Agarfa	13,146	85	85	0.01	*	*	*
Gasera	12,088	*	*	-	*	*	*
Gololcha	14,914	-	-	-	-	-	-
Legehida	8,094	-	-	-	-	-	-
Ginir	21,653	-	-	-	-	-	-
Sinanana Dinsho	24,988	*	*	-	*	*	*
Goba	7,183	-	-	-	-	-	-
Mennana Arena Buluk	19,198	*	*	-	*	*	*
Nensebo	14,169	-	-	-	-	-	-
Meda Welabu	12,557	*	*	-	*	*	*
Berbere	10,213	-	-	-	-	-	-
Guradamole	4,160	-	-	-	-	-	-
Goro	15,934	*	*	-	*	*	*
Raytu	6,168	-	-	-	-	-	-
Seweyna	7,711	*	*	-	*	*	*
Borena Zone	283,104	1,028	1,042	0.00	60,786	57.64	5
Uraga	42,623	-	-	-	-	-	-
Bore	30,433	-	-	-	-	-	-
Adolana Wadera	22,616	*	*	-	*	*	*
Odo Shakiso	14,015	53	53	0.00	3,874	73.08	5
Hager Mariam	86,116	*	*	-	*	*	*
Yabelo	10,081	*	*	-	*	*	*
Arero	3,331	-	-	-	-	-	-
Liben	14,844	*	*	-	*	*	*
Moyale	10,736	*	*	-	*	*	*
Dire	13,719	*	*	-	*	*	*
Teltele	7,361	-	-	-	-	-	-
Gelana Abaya	27,229	*	*	-	*	*	*

TABLE 8.22A: - Number of Holders Reporting Ass (Specifically for ploughing) Owned, Quantity Reported, Replacement Value and Average age of Ass, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Asses Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Ass (Birr)	Average Age of Ass (Years)
Oromia Region	3,981,704	5,019	7,307	0.00	3,399,143	301.08	6
West Welega Zone	313,923	185	222	0.00	95,449	328.95	5
Mana Sibu	27,022	-	-	-	-	-	-
Nejo	17,916	-	-	-	-	-	-
Gimbi	17,096	*	*	-	*	*	*
Lalo Asabi	10,906	*	*	-	*	*	*
Boji	15,188	-	-	-	-	-	-
Ayra Guliso	16,371	-	-	-	-	-	-
Jarso	16,190	-	-	-	-	-	-
Gidami	13,636	*	*	-	*	*	*
Jimma Horo	6,869	-	-	-	-	-	-
Hawa Welel	17,315	-	-	-	-	-	-
Gawo Dale	23,820	*	*	-	*	*	*
Dale Sadi	11,117	-	-	-	-	-	-
Yubdo	5,640	*	*	-	*	*	*
Ganji	9,611	-	-	-	-	-	-
Haru	11,508	*	*	-	*	*	*
Nole Kaba	23,388	-	-	-	-	-	-
Lalo Kilie	7,900	*	*	-	*	*	*
Sayo	19,844	-	-	-	-	-	-
Anfilo	11,848	-	-	-	-	-	-
Begi	30,734	*	*	-	*	*	*
East Welega Zone	260,893	651	1,120	0.00	368,581	190.10	4
Limu	20,690	*	*	-	*	*	*
Ibantu	5,087	-	-	-	-	-	-
Gida Kiremu	22,168	*	*	-	*	*	*
Jarte	7,363	-	-	-	-	-	-
Amuru	7,739	*	*	-	*	*	*
Abe Dongoro	9,470	-	-	-	-	-	-
Jimma Horo	24,023	*	*	-	*	*	*
Abay Chomen	4,715	-	-	-	-	-	-
Guduru	21,520	*	*	-	*	*	*
Jimma Rare	7,738	*	*	-	*	*	*
Bila Seyo	13,470	72	108	0.01	*	*	7
Sibu Sire	15,203	*	*	-	*	*	*
Guto Wayu	28,487	-	-	-	-	-	-
Sasiga	11,346	*	*	-	*	*	*
Leka Dulecha	10,555	*	*	-	*	*	*
Diga	11,868	-	-	-	-	-	-
Jimma Arjo	13,333	*	*	-	*	*	*
Nunu Kumba	10,438	*	*	-	*	*	*
Wama Bonaya	15,680	*	*	-	*	*	*
Illibabor Zone	195,287	169	244	0.00	78,440	206.55	7
Darimu	22,324	*	*	-	*	*	*
Supena Sodo	13,139	-	-	-	-	-	-
Chora	19,554	-	-	-	-	-	-
Dega	10,191	-	-	-	-	-	-
Bedele	20,513	*	*	-	*	*	*
Gechi	10,893	*	*	-	*	*	*
Borecha Wereda	9,030	*	*	-	*	*	*
Dedesa	14,033	-	-	-	-	-	-
yayu	19,201	-	-	-	-	-	-
Metu	22,651	*	*	-	*	*	*

TABLE 8.22A: - Number of Holders Reporting Ass (Specifically for ploughing) Owned, Quantity Reported, Replacement Value and Average age of Ass, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Asses Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Ass (Birr)	Average Age of Ass (Years)
Illibabor Zone							
Ale	17,356	-	-	-	-	-	-
Bure	11,992	*	*	-	*	*	*
Nono	4,411	*	*	-	*	*	*
Jimma Zone	443,315	281	318	0.00	138,934	386.99	6
Limu Seka	29,245	-	-	-	-	-	-
Limu Kosa	45,921	*	*	-	*	*	*
Sokoru	25,586	-	-	-	-	-	-
Tiro Afeta	24,135	-	-	-	-	-	-
Kersa	29,474	-	-	-	-	-	-
Mana	27,816	-	-	-	-	-	-
Goma	49,523	*	*	-	*	*	*
Gera	20,803	*	*	-	*	*	*
Seka chekorsa	56,422	*	*	-	*	*	*
Dedo	54,035	*	*	-	*	*	*
Omonada	45,972	-	-	-	-	-	-
Sigmo	16,132	-	-	-	-	-	-
Setema	18,249	-	-	-	-	-	-
West Shewa Zone	502,591	433	735	0.00	375,348	286.13	9
Ginde Beret	33,630	-	-	-	-	-	-
Jeldu	33,701	*	*	-	*	*	*
Ambo	40,122	*	*	-	*	*	*
Cheliya	37,011	-	-	-	-	-	-
Bako Tibe	19,389	*	*	-	*	*	*
Dano	15,544	-	-	-	-	-	-
Nono	23,140	*	*	-	*	*	*
Tikur	12,596	*	*	-	*	*	*
Amaya	21,943	*	*	-	*	*	*
Wonchi	17,405	-	-	-	-	-	-
Dendi	37,106	-	-	-	-	-	-
Ejerie	15,219	-	-	-	-	-	-
Adda Berga	19,302	-	-	-	-	-	-
Walmara	17,073	-	-	-	-	-	-
Alem Gana	20,607	*	*	-	*	*	*
Kersana Kondaltiti	22,051	*	*	-	*	*	*
Tole	10,401	*	*	-	*	*	*
Elu	10,354	-	-	-	-	-	-
Dawo	13,068	-	-	-	-	-	-
Walisona Goro	35,633	-	-	-	-	-	-
Becho	11,294	52	*	-	*	*	9
Kokir	12,362	*	*	-	*	*	*
Meta Robi	23,639	-	-	-	-	-	-
North Shewa(Oromia) Zone	237,011	254	436	0.00	261,977	333.99	8
Wara Jarso	25,009	-	-	-	-	-	-
Dera	35,035	-	-	-	-	-	-
Hidabu Abote	15,884	-	-	-	-	-	-
Kuyu	20,090	*	*	-	*	*	*
Degem	17,936	*	*	-	*	*	*
Gerar Jarso	13,163	*	*	-	*	*	*
Yaya Gulelena Debre Libano	16,566	*	*	-	*	*	*
Wuchalena Jido	22,017	-	-	-	-	-	-
Abichuna Gna'a	11,868	*	*	-	*	*	*
Kembibit	10,860	-	-	-	-	-	-
Berehna Aleltu	24,774	-	-	-	-	-	-
Mulona Sululta	23,810	-	-	-	-	-	-

TABLE 8.22A: - Number of Holders Reporting Ass (Specifically for ploughing) Owned, Quantity Reported, Replacement Value and Average age of Ass, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Asses Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Ass (Birr)	Average Age of Ass (Years)
East Shewa Zone	314,966	*	*	-	315,484	*	*
Fentale	6,677	-	-	-	-	-	-
Boset	24,837	-	-	-	-	-	-
Adama	26,906	-	-	-	-	-	-
Lome	14,564	*	*	-	*	*	*
Gimbichu	15,569	*	*	-	*	*	*
Ada'a Liben Chukala	40,176	-	-	-	-	-	-
Dugda Bora	28,844	*	*	-	*	*	*
Adami Tullu Jido Kombolcha	23,794	-	-	-	-	-	-
Arsi Negele	26,584	-	-	-	-	-	-
Shashemene	46,108	-	-	-	-	-	-
Seraro	48,209	*	*	-	*	*	*
Akaki	12,696	*	*	-	*	*	*
Arsi Zone	493,007	1,004	1,507	0.00	738,359	297.59	6
Merti	22,750	-	-	-	-	-	-
Aseko	14,396	-	-	-	-	-	-
Gololcha	29,178	*	*	-	*	*	*
Jeju	22,217	*	*	-	*	*	*
Dodotana Sire	22,887	*	*	-	*	*	*
Zeway Dugda	21,200	*	*	-	*	*	*
Hitosa	39,229	-	-	-	-	-	-
Sude	25,501	-	-	-	-	-	-
Chole	15,918	*	*	-	*	*	*
Amigna	11,176	*	*	-	*	*	*
Seru	18,205	*	*	-	*	*	*
Robe	27,062	-	-	-	-	-	-
Tena	20,684	*	*	-	*	*	*
Sherka	26,405	-	-	-	-	-	-
Digeluna Tijo	22,181	*	*	-	*	*	*
Tiyo	15,978	244	*	-	*	*	*
Munesa	35,171	-	-	-	-	-	-
Bekoji	35,995	*	*	-	*	*	-
Gedeb	24,847	*	*	-	*	*	*
Kofele	42,028	-	-	-	-	-	-
West Harerge Zone	291,356	478	507	0.00	230,708	415.14	6
Mieso	16,400	-	-	-	-	-	-
Doba	22,768	*	*	-	*	*	*
Tulo	24,329	*	*	-	*	*	*
Mesela	25,840	*	*	-	*	*	*
Chiro	62,368	-	-	-	-	-	-
Goba Koricha	20,014	*	*	-	*	*	*
Anchar	13,430	*	*	-	*	*	*
Habro	30,386	*	*	-	*	*	*
Darolebu	26,978	*	*	-	*	*	*
Boke	22,144	-	-	-	-	-	-
Kuni	26,701	*	*	-	*	*	*
East Harerge Zone	387,193	599	652	0.00	231,541	309.67	6
Kombolcha	20,710	-	-	-	-	-	-
Jarso	17,052	*	*	-	*	*	*
Gursum	25,567	*	*	-	*	*	*
Babile	10,237	-	-	-	-	-	-
Fedis	24,565	*	*	-	*	*	*
Haro Maya	31,404	-	-	-	-	-	-
Kurfa Chele	7,122	*	*	-	*	*	*
Kersa	27,745	-	-	-	-	-	-

TABLE 8.22A: - Number of Holders Reporting Ass (Specifically for ploughing) Owned, Quantity Reported, Replacement Value and Average age of Ass, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Asses Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Ass (Birr)	Average Age of Ass (Years)
East Harerge Zone							
Meta	43,775	*	*	-	*	*	*
Goro Gutu	25,718	*	*	-	*	*	*
Deder	38,265	-	-	-	-	-	-
Malka Balo	24,930	-	-	-	-	-	-
Bedeno	43,356	*	*	-	*	*	*
Girawa	38,886	-	-	-	-	-	-
Gola Oda	7,861	*	*	-	*	*	*
Bale Zone	259,058	460	565	0.00	432,692	513.58	5
Kokosa	23,375	-	-	-	-	-	-
Dodola	23,650	*	*	-	*	*	*
Adaba	19,856	-	-	-	-	-	-
Agarfa	13,146	-	-	-	-	-	-
Gasera	12,088	*	*	-	*	*	*
Gololcha	14,914	*	*	-	*	*	*
Legehida	8,094	-	-	-	-	-	-
Ginir	21,653	*	*	-	*	*	*
Sinanana Dinsho	24,988	-	-	-	-	-	-
Goba	7,183	*	*	-	*	*	*
Mennana Arena Buluk	19,198	*	*	-	*	*	*
Nensebo	14,169	*	*	-	*	*	*
Meda Welabu	12,557	-	-	-	-	-	-
Berbere	10,213	-	-	-	-	-	-
Guradamole	4,160	-	-	-	-	-	-
Goro	15,934	-	-	-	-	-	-
Raytu	6,168	*	*	-	*	*	*
Seweyna	7,711	-	-	-	-	-	-
Borena Zone	283,104	*	*	-	*	*	*
Uraga	42,623	*	*	-	*	*	*
Bore	30,433	-	-	-	-	-	-
Adolana Wadera	22,616	-	-	-	-	-	-
Odo Shakiso	14,015	-	-	-	-	-	-
Hager Mariam	86,116	-	-	-	-	-	-
Yabelo	10,081	*	*	-	*	*	*
Arero	3,331	*	*	-	*	*	*
Liben	14,844	-	-	-	-	-	-
Moyale	10,736	*	*	-	*	*	*
Dire	13,719	-	-	-	-	-	-
Teltele	7,361	*	*	-	*	*	*
Gelana Abaya	27,229	-	-	-	-	-	-

TABLE 8.23A: -Number of Holders Reporting Camel (Specificaly for ploughing) Owned, Quantity Reported, Replacement Value and Average age of Camel, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Camels Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Camel (Birr)	Average Age of Camel (Years)
Oromia Region	3,981,704	71	71	0.00	64,007	901.51	*
West Welega Zone	313,923	-	-	-	-	-	-
Mana Sibu	27,022	-	-	-	-	-	-
Nejo	17,916	-	-	-	-	-	-
Gimbi	17,096	-	-	-	-	-	-
Lalo Asabi	10,906	-	-	-	-	-	-
Boji	15,188	-	-	-	-	-	-
Ayra Guliso	16,371	-	-	-	-	-	-
Jarso	16,190	-	-	-	-	-	-
Gidami	13,636	-	-	-	-	-	-
Jimma Horo	6,869	-	-	-	-	-	-
Hawa Welel	17,315	-	-	-	-	-	-
Gawo Dale	23,820	-	-	-	-	-	-
Dale Sadi	11,117	-	-	-	-	-	-
Yubdo	5,640	-	-	-	-	-	-
Ganji	9,611	-	-	-	-	-	-
Haru	11,508	-	-	-	-	-	-
Nole Kaba	23,388	-	-	-	-	-	-
Lalo Kilie	7,900	-	-	-	-	-	-
Sayo	19,844	-	-	-	-	-	-
Anfilo	11,848	-	-	-	-	-	-
Begi	30,734	-	-	-	-	-	-
East Welega Zone	260,893	-	-	-	-	-	-
Limu	20,690	-	-	-	-	-	-
Ibantu	5,087	-	-	-	-	-	-
Gida Kiremu	22,168	-	-	-	-	-	-
Jarte	7,363	-	-	-	-	-	-
Amuru	7,739	-	-	-	-	-	-
Abe Dongoro	9,470	-	-	-	-	-	-
Jimma Horo	24,023	-	-	-	-	-	-
Abay Chomen	4,715	-	-	-	-	-	-
Guduru	21,520	-	-	-	-	-	-
Jimma Rare	7,738	-	-	-	-	-	-
Bila Seyo	13,470	-	-	-	-	-	-
Sibu Sire	15,203	-	-	-	-	-	-
Guto Wayu	28,487	-	-	-	-	-	-
Sasiga	11,346	-	-	-	-	-	-
Leka Dulecha	10,555	-	-	-	-	-	-
Diga	11,868	-	-	-	-	-	-
Jimma Arjo	13,333	-	-	-	-	-	-
Nunu Kumba	10,438	-	-	-	-	-	-
Wama Bonaya	15,680	-	-	-	-	-	-
Illibabor Zone	195,287	-	-	-	-	-	-
Darimu	22,324	-	-	-	-	-	-
Supena Sodo	13,139	-	-	-	-	-	-
Chora	19,554	-	-	-	-	-	-
Dega	10,191	-	-	-	-	-	-
Bedele	20,513	-	-	-	-	-	-
Gechi	10,893	-	-	-	-	-	-
Borecha Wereda	9,030	-	-	-	-	-	-
Dedesa	14,033	-	-	-	-	-	-
yayu	19,201	-	-	-	-	-	-
Metu	22,651	-	-	-	-	-	-

TABLE 8.23A: -Number of Holders Reporting Camel (Specificaly for ploughing) Owned, Quantity Reported, Replacement Value and Average age of Camel, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Camels Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Camel (Birr)	Average Age of Camel (Years)
Illibabor Zone							
Ale	17,356	-	-	-	-	-	-
Bure	11,992	-	-	-	-	-	-
Nono	4,411	-	-	-	-	-	-
Jimma Zone	443,315	-	-	-	-	-	-
Limu Seka	29,245	-	-	-	-	-	-
Limu Kosa	45,921	-	-	-	-	-	-
Sokoru	25,586	-	-	-	-	-	-
Tiro Afeta	24,135	-	-	-	-	-	-
Kersa	29,474	-	-	-	-	-	-
Mana	27,816	-	-	-	-	-	-
Goma	49,523	-	-	-	-	-	-
Gera	20,803	-	-	-	-	-	-
Seka chekorsa	56,422	-	-	-	-	-	-
Dedo	54,035	-	-	-	-	-	-
Omonada	45,972	-	-	-	-	-	-
Sigmo	16,132	-	-	-	-	-	-
Setema	18,249	-	-	-	-	-	-
West Shewa Zone	502,591	-	-	-	-	-	-
Ginde Beret	33,630	-	-	-	-	-	-
Jeldu	33,701	-	-	-	-	-	-
Ambo	40,122	-	-	-	-	-	-
Cheliya	37,011	-	-	-	-	-	-
Bako Tibe	19,389	-	-	-	-	-	-
Dano	15,544	-	-	-	-	-	-
Nono	23,140	-	-	-	-	-	-
Tikur	12,596	-	-	-	-	-	-
Amaya	21,943	-	-	-	-	-	-
Wonchi	17,405	-	-	-	-	-	-
Dendi	37,106	-	-	-	-	-	-
Ejerie	15,219	-	-	-	-	-	-
Adda Berga	19,302	-	-	-	-	-	-
Walmara	17,073	-	-	-	-	-	-
Alem Gana	20,607	-	-	-	-	-	-
Kersana Kondaltiti	22,051	-	-	-	-	-	-
Tole	10,401	-	-	-	-	-	-
Elu	10,354	-	-	-	-	-	-
Dawo	13,068	-	-	-	-	-	-
Walisona Goro	35,633	-	-	-	-	-	-
Becho	11,294	-	-	-	-	-	-
Kokir	12,362	-	-	-	-	-	-
Meta Robi	23,639	-	-	-	-	-	-
North Shewa(Oromia) Zone	237,011	-	-	-	-	-	-
Wara Jarso	25,009	-	-	-	-	-	-
Dera	35,035	-	-	-	-	-	-
Hidabu Abote	15,884	-	-	-	-	-	-
Kuyu	20,090	-	-	-	-	-	-
Degem	17,936	-	-	-	-	-	-
Gerar Jarso	13,163	-	-	-	-	-	-
Yaya Gulelena Debre Libano	16,566	-	-	-	-	-	-
Wuchalena Jido	22,017	-	-	-	-	-	-
Abichuna Gna'a	11,868	-	-	-	-	-	-
Kembibit	10,860	-	-	-	-	-	-
Berehna Aleltu	24,774	-	-	-	-	-	-
Mulona Sululta	23,810	-	-	-	-	-	-

TABLE 8.23A: -Number of Holders Reporting Camel (Specificaly for ploughing) Owned, Quantity Reported, Replacement Value and Average age of Camel, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Camels Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Camel (Birr)	Average Age of Camel (Years)
East Shewa Zone	314,966	-	-	-	-	-	-
Fentale	6,677	-	-	-	-	-	-
Boset	24,837	-	-	-	-	-	-
Adama	26,906	-	-	-	-	-	-
Lome	14,564	-	-	-	-	-	-
Gimbichu	15,569	-	-	-	-	-	-
Ada'a Liben Chukala	40,176	-	-	-	-	-	-
Dugda Bora	28,844	-	-	-	-	-	-
Adami Tullu Jido Kombolcha	23,794	-	-	-	-	-	-
Arsi Negele	26,584	-	-	-	-	-	-
Shashemene	46,108	-	-	-	-	-	-
Seraro	48,209	-	-	-	-	-	-
Akaki	12,696	-	-	-	-	-	-
Arsi Zone	493,007	-	-	-	-	-	-
Merti	22,750	-	-	-	-	-	-
Aseko	14,396	-	-	-	-	-	-
Gololcha	29,178	-	-	-	-	-	-
Jeju	22,217	-	-	-	-	-	-
Dodotana Sire	22,887	-	-	-	-	-	-
Zeway Dugda	21,200	-	-	-	-	-	-
Hitosa	39,229	-	-	-	-	-	-
Sude	25,501	-	-	-	-	-	-
Chole	15,918	-	-	-	-	-	-
Amigna	11,176	-	-	-	-	-	-
Seru	18,205	-	-	-	-	-	-
Robe	27,062	-	-	-	-	-	-
Tena	20,684	-	-	-	-	-	-
Sherka	26,405	-	-	-	-	-	-
Digeluna Tijo	22,181	-	-	-	-	-	-
Tiyo	15,978	-	-	-	-	-	-
Munesa	35,171	-	-	-	-	-	-
Bekoji	35,995	-	-	-	-	-	-
Gedeb	24,847	-	-	-	-	-	-
Kofele	42,028	-	-	-	-	-	-
West Harerge Zone	291,356	-	-	-	-	-	-
Mieso	16,400	-	-	-	-	-	-
Doba	22,768	-	-	-	-	-	-
Tulo	24,329	-	-	-	-	-	-
Mesela	25,840	-	-	-	-	-	-
Chiro	62,368	-	-	-	-	-	-
Goba Koricha	20,014	-	-	-	-	-	-
Anchar	13,430	-	-	-	-	-	-
Habro	30,386	-	-	-	-	-	-
Darolebu	26,978	-	-	-	-	-	-
Boke	22,144	-	-	-	-	-	-
Kuni	26,701	-	-	-	-	-	-
East Harerge Zone	387,193	-	-	-	-	-	-
Kombolcha	20,710	-	-	-	-	-	-
Jarso	17,052	-	-	-	-	-	-
Gursum	25,567	-	-	-	-	-	-
Babile	10,237	-	-	-	-	-	-
Fedis	24,565	-	-	-	-	-	-
Haro Maya	31,404	-	-	-	-	-	-
Kurfa Chele	7,122	-	-	-	-	-	-
Kersa	27,745	-	-	-	-	-	-

TABLE 8.23A: -Number of Holders Reporting Camel (Specificaly for ploughing) Owned, Quantity Reported, Replacement Value and Average age of Camel, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Camels Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Camel (Birr)	Average Age of Camel (Years)
East Harerge Zone							
Meta	43,775	-	-	-	-	-	-
Goro Gutu	25,718	-	-	-	-	-	-
Deder	38,265	-	-	-	-	-	-
Malka Balo	24,930	-	-	-	-	-	-
Bedeno	43,356	-	-	-	-	-	-
Girawa	38,886	-	-	-	-	-	-
Gola Oda	7,861	-	-	-	-	-	-
Bale Zone	259,058	*	*	-	*	*	*
Kokosa	23,375	-	-	-	-	-	-
Dodola	23,650	-	-	-	-	-	-
Adaba	19,856	-	-	-	-	-	-
Agarfa	13,146	-	-	-	-	-	-
Gasera	12,088	-	-	-	-	-	-
Gololcha	14,914	-	-	-	-	-	-
Legehida	8,094	-	-	-	-	-	-
Ginir	21,653	-	-	-	-	-	-
Sinanana Dinsho	24,988	-	-	-	-	-	-
Goba	7,183	-	-	-	-	-	-
Mennana Arena Buluk	19,198	-	-	-	-	-	-
Nensebo	14,169	-	-	-	-	-	-
Meda Welabu	12,557	-	-	-	-	-	-
Berbere	10,213	-	-	-	-	-	-
Guradamole	4,160	-	-	-	-	-	-
Goro	15,934	-	-	-	-	-	-
Raytu	6,168	*	*	-	*	*	*
Seweyna	7,711	-	-	-	-	-	-
Borena Zone	283,104	*	*	-	*	*	*
Uraga	42,623	-	-	-	-	-	-
Bore	30,433	-	-	-	-	-	-
Adolana Wadera	22,616	-	-	-	-	-	-
Odo Shakiso	14,015	-	-	-	-	-	-
Hager Mariam	86,116	-	-	-	-	-	-
Yabelo	10,081	*	*	-	*	*	*
Arero	3,331	-	-	-	-	-	-
Liben	14,844	-	-	-	-	-	-
Moyale	10,736	-	-	-	-	-	-
Dire	13,719	-	-	-	-	-	-
Teltele	7,361	-	-	-	-	-	-
Gelana Abaya	27,229	-	-	-	-	-	-

TABLE 8.24A:- Number of Holders Reporting Horse (Specificaly for ploughing) Owned, Quantity Reported, Replacement Value and Average age of Horse, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Horses Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Horse (Birr)	Average Age of Horse (Years)
Oromia Region	3,981,704	334	522	0.00	239,501	261.95	6
West Welega Zone	313,923	*	*	-	34,980	*	*
Mana Sibu	27,022	-	-	-	-	-	-
Nejo	17,916	-	-	-	-	-	-
Gimbi	17,096	-	-	-	-	-	-
Lalo Asabi	10,906	-	-	-	-	-	-
Boji	15,188	-	-	-	-	-	-
Ayra Guliso	16,371	*	*	-	*	*	*
Jarso	16,190	*	*	-	*	*	*
Gidami	13,636	-	-	-	-	-	-
Jimma Horo	6,869	-	-	-	-	-	-
Hawa Welel	17,315	-	-	-	-	-	-
Gawo Dale	23,820	-	-	-	-	-	-
Dale Sadi	11,117	-	-	-	-	-	-
Yubdo	5,640	*	*	-	*	*	*
Ganji	9,611	-	-	-	-	-	-
Haru	11,508	-	-	-	-	-	-
Nole Kaba	23,388	-	-	-	-	-	-
Lalo Kilie	7,900	-	-	-	-	-	-
Sayo	19,844	*	*	-	*	*	*
Anfilo	11,848	-	-	-	-	-	-
Begi	30,734	-	-	-	-	-	-
East Welega Zone	260,893	*	*	-	*	*	*
Limu	20,690	*	*	-	*	*	*
Ibantu	5,087	-	-	-	-	-	-
Gida Kiremu	22,168	-	-	-	-	-	-
Jarte	7,363	-	-	-	-	-	-
Amuru	7,739	-	-	-	-	-	-
Abe Dongoro	9,470	-	-	-	-	-	-
Jimma Horo	24,023	-	-	-	-	-	-
Abay Chomen	4,715	-	-	-	-	-	-
Guduru	21,520	-	-	-	-	-	-
Jimma Rare	7,738	-	-	-	-	-	-
Bila Seyo	13,470	-	-	-	-	-	-
Sibu Sire	15,203	*	*	-	*	*	*
Guto Wayu	28,487	-	-	-	-	-	-
Sasiga	11,346	-	-	-	-	-	-
Leka Dulecha	10,555	-	-	-	-	-	-
Diga	11,868	-	-	-	-	-	-
Jimma Arjo	13,333	*	*	-	*	*	*
Nunu Kumba	10,438	-	-	-	-	-	-
Wama Bonaya	15,680	-	-	-	-	-	-
Illibabor Zone	195,287	-	-	-	-	-	-
Darimu	22,324	-	-	-	-	-	-
Supena Sodo	13,139	-	-	-	-	-	-
Chora	19,554	-	-	-	-	-	-
Dega	10,191	-	-	-	-	-	-
Bedele	20,513	-	-	-	-	-	-
Gechi	10,893	-	-	-	-	-	-
Borecha Wereda	9,030	-	-	-	-	-	-
Dedesa	14,033	-	-	-	-	-	-
yayu	19,201	-	-	-	-	-	-
Metu	22,651	-	-	-	-	-	-

TABLE 8.24A:- Number of Holders Reporting Horse (Specificaly for ploughing) Owned, Quantity Reported, Replacement Value and Average age of Horse, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Horses Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Horse (Birr)	Average Age of Horse (Years)
Illibabor Zone							
Ale	17,356	-	-	-	-	-	-
Bure	11,992	-	-	-	-	-	-
Nono	4,411	-	-	-	-	-	-
Jimma Zone	443,315	-	-	-	-	-	-
Limu Seka	29,245	-	-	-	-	-	-
Limu Kosa	45,921	-	-	-	-	-	-
Sokoru	25,586	-	-	-	-	-	-
Tiro Afeta	24,135	-	-	-	-	-	-
Kersa	29,474	-	-	-	-	-	-
Mana	27,816	-	-	-	-	-	-
Goma	49,523	-	-	-	-	-	-
Gera	20,803	-	-	-	-	-	-
Seka chekorsa	56,422	-	-	-	-	-	-
Dedo	54,035	-	-	-	-	-	-
Omonada	45,972	-	-	-	-	-	-
Sigmo	16,132	-	-	-	-	-	-
Setema	18,249	-	-	-	-	-	-
West Shewa Zone	502,591	*	*	-	*	*	*
Ginde Beret	33,630	-	-	-	-	-	-
Jeldu	33,701	-	-	-	-	-	-
Ambo	40,122	-	-	-	-	-	-
Cheliya	37,011	-	-	-	-	-	-
Bako Tibe	19,389	-	-	-	-	-	-
Dano	15,544	-	-	-	-	-	-
Nono	23,140	-	-	-	-	-	-
Tikur	12,596	-	-	-	-	-	-
Amaya	21,943	-	-	-	-	-	-
Wonchi	17,405	-	-	-	-	-	-
Dendi	37,106	-	-	-	-	-	-
Ejerie	15,219	-	-	-	-	-	-
Adda Berga	19,302	-	-	-	-	-	-
Walmara	17,073	-	-	-	-	-	-
Alem Gana	20,607	-	-	-	-	-	-
Kersana Kondaltiti	22,051	-	-	-	-	-	-
Tole	10,401	-	-	-	-	-	-
Elu	10,354	-	-	-	-	-	-
Dawo	13,068	*	*	-	*	*	*
Walisona Goro	35,633	-	-	-	-	-	-
Becho	11,294	-	-	-	-	-	-
Kokir	12,362	-	-	-	-	-	-
Meta Robi	23,639	-	-	-	-	-	-
North Shewa(Oromia) Zone	237,011	-	-	-	-	-	-
Wara Jarso	25,009	-	-	-	-	-	-
Dera	35,035	-	-	-	-	-	-
Hidabu Abote	15,884	-	-	-	-	-	-
Kuyu	20,090	-	-	-	-	-	-
Degem	17,936	-	-	-	-	-	-
Gerar Jarso	13,163	-	-	-	-	-	-
Yaya Gulelena Debre Libano	16,566	-	-	-	-	-	-
Wuchalena Jido	22,017	-	-	-	-	-	-
Abichuna Gna'a	11,868	-	-	-	-	-	-
Kembibit	10,860	-	-	-	-	-	-
Berehna Aleltu	24,774	-	-	-	-	-	-
Mulona Sululta	23,810	-	-	-	-	-	-

TABLE 8.24A:- Number of Holders Reporting Horse (Specificaly for ploughing) Owned, Quantity Reported, Replacement Value and Average age of Horse, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Horses Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Horse (Birr)	Average Age of Horse (Years)
East Shewa Zone	314,966	*	*	-	*	*	*
Fentale	6,677	-	-	-	-	-	-
Boset	24,837	-	-	-	-	-	-
Adama	26,906	-	-	-	-	-	-
Lome	14,564	-	-	-	-	-	-
Gimbichu	15,569	*	*	-	*	*	*
Ada'a Liben Chukala	40,176	-	-	-	-	-	-
Dugda Bora	28,844	-	-	-	-	-	-
Adami Tullu Jido Kombolcha	23,794	-	-	-	-	-	-
Arsi Negele	26,584	-	-	-	-	-	-
Shashemene	46,108	-	-	-	-	-	-
Seraro	48,209	-	-	-	-	-	-
Akaki	12,696	-	-	-	-	-	-
Arsi Zone	493,007	*	*	-	*	*	*
Merti	22,750	-	-	-	-	-	-
Aseko	14,396	-	-	-	-	-	-
Gololcha	29,178	-	-	-	-	-	-
Jeju	22,217	-	-	-	-	-	-
Dodotana Sire	22,887	-	-	-	-	-	-
Zeway Dugda	21,200	-	-	-	-	-	-
Hitosa	39,229	-	-	-	-	-	-
Sude	25,501	-	-	-	-	-	-
Chole	15,918	-	-	-	-	-	-
Amigna	11,176	-	-	-	-	-	-
Seru	18,205	-	-	-	-	-	-
Robe	27,062	-	-	-	-	-	-
Tena	20,684	-	-	-	-	-	-
Sherka	26,405	-	-	-	-	-	-
Digeluna Tijo	22,181	-	-	-	-	-	-
Tiyo	15,978	-	-	-	-	-	-
Munesa	35,171	-	-	-	-	-	-
Bekoji	35,995	*	*	-	*	*	-
Gedeb	24,847	*	*	-	*	*	*
Kofele	42,028	-	-	-	-	-	-
West Harerge Zone	291,356	-	-	-	-	-	-
Mieso	16,400	-	-	-	-	-	-
Doba	22,768	-	-	-	-	-	-
Tulo	24,329	-	-	-	-	-	-
Mesela	25,840	-	-	-	-	-	-
Chiro	62,368	-	-	-	-	-	-
Goba Koricha	20,014	-	-	-	-	-	-
Anchar	13,430	-	-	-	-	-	-
Habro	30,386	-	-	-	-	-	-
Darolebu	26,978	-	-	-	-	-	-
Boke	22,144	-	-	-	-	-	-
K'uni	26,701	-	-	-	-	-	-
East Harerge Zone	387,193	-	-	-	-	-	-
Kombolcha	20,710	-	-	-	-	-	-
Jarso	17,052	-	-	-	-	-	-
Gursum	25,567	-	-	-	-	-	-
Babile	10,237	-	-	-	-	-	-
Fedis	24,565	-	-	-	-	-	-
Haro Maya	31,404	-	-	-	-	-	-
Kurfa Chele	7,122	-	-	-	-	-	-
Kersa	27,745	-	-	-	-	-	-

TABLE 8.24A:- Number of Holders Reporting Horse (Specificaly for ploughing) Owned, Quantity Reported, Replacement Value and Average age of Horse, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Horses Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Horse (Birr)	Average Age of Horse (Years)
East Harerge Zone							
Meta	43,775	-	-	-	-	-	-
Goro Gutu	25,718	-	-	-	-	-	-
Deder	38,265	-	-	-	-	-	-
Malka Balo	24,930	-	-	-	-	-	-
Bedeno	43,356	-	-	-	-	-	-
Girawa	38,886	-	-	-	-	-	-
Gola Oda	7,861	-	-	-	-	-	-
Bale Zone	259,058	-	-	-	-	-	-
Kokosa	23,375	-	-	-	-	-	-
Dodola	23,650	-	-	-	-	-	-
Adaba	19,856	-	-	-	-	-	-
Agarfa	13,146	-	-	-	-	-	-
Gasera	12,088	-	-	-	-	-	-
Gololcha	14,914	-	-	-	-	-	-
Legehida	8,094	-	-	-	-	-	-
Ginir	21,653	-	-	-	-	-	-
Sinanana Dinsho	24,988	-	-	-	-	-	-
Goba	7,183	-	-	-	-	-	-
Mennana Arena Buluk	19,198	-	-	-	-	-	-
Nensebo	14,169	-	-	-	-	-	-
Meda Welabu	12,557	-	-	-	-	-	-
Berbere	10,213	-	-	-	-	-	-
Guradamole	4,160	-	-	-	-	-	-
Goro	15,934	-	-	-	-	-	-
Raytu	6,168	-	-	-	-	-	-
Seweyna	7,711	-	-	-	-	-	-
Borena Zone	283,104	-	-	-	-	-	-
Uraga	42,623	-	-	-	-	-	-
Bore	30,433	-	-	-	-	-	-
Adolana Wadera	22,616	-	-	-	-	-	-
Odo Shakiso	14,015	-	-	-	-	-	-
Hager Mariam	86,116	-	-	-	-	-	-
Yabelo	10,081	-	-	-	-	-	-
Arero	3,331	-	-	-	-	-	-
Liben	14,844	-	-	-	-	-	-
Moyale	10,736	-	-	-	-	-	-
Dire	13,719	-	-	-	-	-	-
Teltele	7,361	-	-	-	-	-	-
Gelana Abaya	27,229	-	-	-	-	-	-

TABLE 8.25A: -Number of Holders Reporting Ox (Specificaly for ploughing) Owned, Quantity Reported, Replacement Value and Average age of Ox, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Oxen Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Ox (Birr)	Average Age of Ox (Years)
Oromia Region	3,981,704	2,396,172	4,459,312	1.12	2,531,549,355	303.64	6
West Welega Zone	313,923	168,767	268,341	0.85	110,699,667	260.67	6
Mana Sibu	27,022	14,020	26,011	0.96	10,677,136	224.73	5
Nejo	17,916	10,163	15,869	0.89	6,342,067	256.57	6
Gimbi	17,096	8,213	12,194	0.71	5,467,946	302.72	5
Lalo Asabi	10,906	5,377	8,447	0.77	3,374,926	256.59	5
Boji	15,188	7,522	12,031	0.79	4,551,146	238.40	6
Ayra Guliso	16,371	8,937	14,471	0.88	5,260,842	222.93	4
Jarso	16,190	10,575	19,346	1.19	7,546,341	212.63	5
Gidami	13,636	7,496	11,017	0.81	5,092,972	311.71	6
Jimma Horo	6,869	4,925	8,343	1.21	3,630,204	263.12	6
Hawa Welel	17,315	9,706	14,950	0.86	6,970,722	292.48	7
Gawo Dale	23,820	14,379	23,641	0.99	9,533,209	244.80	5
Dale Sadi	11,117	6,853	11,113	1.00	3,961,117	220.07	5
Yubdo	5,640	3,625	6,141	1.09	2,184,834	209.61	6
Ganji	9,611	5,216	8,016	0.83	3,406,621	275.22	6
Haru	11,508	5,439	7,917	0.69	3,372,716	292.77	6
Nole Kaba	23,388	12,837	20,434	0.87	7,541,123	233.20	7
Lalo Kilie	7,900	5,352	8,648	1.09	2,938,015	212.38	5
Sayo	19,844	9,299	13,011	0.66	6,151,098	333.54	6
Anfilo	11,848	2,339	3,552	0.30	1,733,243	323.14	6
Begi	30,734	16,494	23,189	0.75	10,963,391	337.60	6
East Welega Zone	260,893	180,171	359,255	1.38	165,857,764	231.29	7
Limu	20,690	12,070	22,067	1.07	9,893,632	245.88	6
Ibantu	5,087	4,009	8,270	1.63	3,954,073	231.60	6
Gida Kiremu	22,168	15,272	29,738	1.34	14,406,489	248.44	7
Jarte	7,363	5,872	14,315	1.94	6,385,533	185.28	7
Amuru	7,739	5,770	12,501	1.62	6,125,287	226.57	7
Abe Dongoro	9,470	5,122	9,048	0.96	4,275,251	272.37	6
Jimma Horo	24,023	18,718	43,212	1.80	20,434,234	212.49	7
Abay Chomen	4,715	3,532	8,679	1.84	4,788,726	221.75	7
Guduru	21,520	15,477	34,015	1.58	18,499,424	241.16	7
Jimma Rare	7,738	5,432	11,092	1.43	5,787,078	254.84	8
Bila Seyo	13,470	9,997	19,982	1.48	8,856,783	224.05	7
Sibu Sire	15,203	10,578	21,445	1.41	9,783,176	222.86	7
Guto Wayu	28,487	17,963	31,359	1.10	13,955,611	254.52	6
Sasiga	11,346	7,108	12,194	1.07	5,059,784	241.98	6
Leka Dulecha	10,555	7,238	13,028	1.23	5,419,806	234.13	7
Diga	11,868	7,765	14,146	1.19	6,057,283	244.40	5
Jimma Arjo	13,333	8,962	16,604	1.25	6,819,358	226.02	8
Nunu Kumba	10,438	7,333	12,907	1.24	5,200,899	227.12	7
Wama Bonaya	15,680	11,953	24,653	1.57	10,155,336	198.70	6
Illibabor Zone	195,287	120,803	217,613	1.11	85,243,899	227.61	7
Darimu	22,324	13,720	23,326	1.04	7,218,909	179.82	6
Supena Sodo	13,139	8,051	14,202	1.08	5,104,060	204.62	6
Chora	19,554	12,927	23,181	1.19	10,081,697	244.04	6
Dega	10,191	6,939	14,102	1.38	5,682,140	198.27	7
Bedele	20,513	13,243	33,697	1.64	9,792,247	158.97	7
Gechi	10,893	7,687	13,686	1.26	5,735,081	236.45	6
Borecha Wereda	9,030	5,961	10,071	1.12	4,332,833	254.07	6
Dedesa	14,033	8,141	15,209	1.08	7,333,918	264.34	8
yayu	19,201	11,483	19,606	1.02	8,433,938	252.65	7
Metu	22,651	11,322	16,488	0.73	6,977,811	290.77	6

TABLE 8.25A: -Number of Holders Reporting Ox (Specificaly for ploughing) Owned, Quantity Reported, Replacement Value and Average age of Ox, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Oxen Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Ox (Birr)	Average Age of Ox (Years)
Illibabor Zone							
Ale	17,356	10,775	16,252	0.94	7,323,793	294.07	6
Bure	11,992	8,018	14,445	1.20	5,667,136	215.21	7
Nono	4,411	2,536	3,348	0.76	1,560,335	349.50	6
Jimma Zone	443,315	297,281	494,213	1.11	229,468,648	275.92	6
Limu Seka	29,245	22,304	37,755	1.29	18,099,674	267.25	6
Limu Kosa	45,921	32,045	54,813	1.19	27,142,126	293.60	7
Sokoru	25,586	18,713	32,125	1.26	12,827,650	230.74	6
Tiro Afeta	24,135	19,017	36,418	1.51	17,272,119	242.52	6
Kersa	29,474	24,585	43,382	1.47	20,472,266	266.47	6
Mana	27,816	14,534	20,124	0.72	10,141,155	365.41	7
Goma	49,523	19,674	29,361	0.59	15,467,732	348.51	6
Gera	20,803	15,097	24,063	1.16	11,302,350	289.90	7
Seka chekorsa	56,422	34,826	54,868	0.97	24,252,472	274.60	7
Dedo	54,035	40,179	64,191	1.19	26,594,918	253.91	6
Omonada	45,972	35,993	64,370	1.40	29,278,506	252.27	6
Sigmo	16,132	9,949	14,512	0.90	6,826,973	322.89	5
Setema	18,249	10,367	18,231	1.00	9,790,706	302.94	6
West Shewa Zone	502,591	345,447	689,341	1.37	419,131,913	301.83	7
Ginde Beret	33,630	24,106	47,537	1.41	27,839,793	291.84	7
Jeldu	33,701	23,065	44,008	1.31	27,220,364	323.16	7
Ambo	40,122	28,096	60,240	1.50	32,932,462	249.88	7
Cheliya	37,011	26,888	59,101	1.60	29,664,839	226.35	7
Bako Tibe	19,389	13,339	27,538	1.42	13,270,739	232.65	7
Dano	15,544	12,672	28,552	1.84	13,360,167	208.72	6
Nono	23,140	16,404	31,875	1.38	17,127,932	272.57	7
Tikur	12,596	7,151	11,121	0.88	5,463,418	317.87	7
Amaya	21,943	15,507	29,059	1.32	16,713,461	302.06	8
Wonchi	17,405	9,403	12,773	0.73	8,204,016	462.54	7
Dendi	37,106	25,463	51,932	1.40	35,497,141	333.81	8
Ejerie	15,219	10,742	22,083	1.45	16,323,861	346.79	7
Adda Berga	19,302	14,280	30,668	1.59	20,189,190	302.35	7
Walmara	17,073	11,709	27,513	1.61	17,823,574	278.49	7
Alem Gana	20,607	13,312	28,444	1.38	20,611,885	336.26	8
Kersana Kondaltiti	22,051	16,768	33,897	1.54	22,745,389	321.95	8
Tole	10,401	7,950	15,697	1.51	11,268,913	355.23	7
Elu	10,354	6,827	13,578	1.31	10,302,052	379.36	8
Dawo	13,068	8,990	17,457	1.34	11,912,947	346.94	9
Walisona Goro	35,633	19,569	33,880	0.95	20,749,383	352.40	7
Becho	11,294	8,518	16,298	1.44	11,274,080	370.70	8
Kokir	12,362	8,345	14,455	1.17	8,522,866	329.54	8
Meta Robi	23,639	16,344	31,636	1.34	20,113,441	326.43	8
North Shewa(Oromia) Zone	237,011	175,353	362,848	1.53	252,824,609	329.83	8
Wara Jarso	25,009	18,388	35,206	1.41	23,205,385	335.28	8
Dera	35,035	22,488	42,400	1.21	25,848,581	319.80	8
Hidabu Abote	15,884	10,859	19,141	1.21	12,885,468	356.65	9
Kuyu	20,090	15,111	28,975	1.44	18,339,445	324.84	7
Degem	17,936	13,148	25,362	1.41	16,790,630	335.64	8
Gerar Jarso	13,163	11,318	21,146	1.61	15,130,160	380.87	7
Yaya Gulelena Debre Libano	16,566	12,917	25,260	1.52	17,846,703	355.18	8
Wuchalena Jido	22,017	16,464	37,603	1.71	28,899,776	331.59	7
Abichuna Gna'a	11,868	9,153	20,061	1.69	13,505,477	296.84	9
Kembibit	10,860	7,758	16,936	1.56	13,321,854	366.12	7
Berehna Aleltu	24,774	18,304	44,239	1.79	32,779,965	308.05	8
Mulona Sululta	23,810	19,444	46,520	1.95	34,271,166	307.11	7

TABLE 8.25A: -Number of Holders Reporting Ox (Specificaly for ploughing) Owned, Quantity Reported, Replacement Value and Average age of Ox, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Oxen Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Ox (Birr)	Average Age of Ox (Years)
East Shewa Zone	314,966	200,041	402,846	1.28	278,402,921	328.62	7
Fentale	6,677	4,594	7,904	1.18	5,647,346	425.65	6
Boset	24,837	15,450	30,345	1.22	22,675,410	367.25	8
Adama	26,906	17,639	34,076	1.27	25,050,991	384.76	7
Lome	14,564	11,412	28,222	1.94	25,065,295	327.64	8
Gimbichu	15,569	12,745	27,729	1.78	24,206,773	391.78	7
Ada'a Liben Chukala	40,176	28,568	67,288	1.67	56,462,226	344.78	7
Dugda Bora	28,844	20,497	46,277	1.60	28,339,317	267.58	7
Adami Tullu Jido Kombolcha	23,794	14,097	27,840	1.17	14,079,872	253.34	6
Arsi Negele	26,584	16,578	29,259	1.10	15,957,704	306.88	6
Shashemene	46,108	21,741	33,185	0.72	17,744,970	346.28	6
Seraro	48,209	27,313	47,863	0.99	22,845,567	275.55	7
Akaki	12,696	9,410	22,858	1.80	20,327,448	365.74	7
Arsi Zone	493,007	354,034	684,566	1.39	429,294,134	322.12	6
Merti	22,750	17,300	32,183	1.41	22,607,472	375.09	7
Aseko	14,396	11,071	18,885	1.31	13,269,005	413.51	8
Gololcha	29,178	18,841	27,315	0.94	18,527,956	478.68	7
Jeju	22,217	15,641	26,682	1.20	19,653,353	426.07	7
Dodotana Sire	22,887	15,858	30,679	1.34	22,296,375	372.97	8
Zeway Dugda	21,200	14,586	27,980	1.32	17,677,561	327.42	8
Hitosa	39,229	27,061	54,485	1.39	37,522,689	334.12	8
Sude	25,501	19,199	34,425	1.35	21,238,785	350.02	7
Chole	15,918	11,870	22,491	1.41	15,511,172	359.72	7
Amigna	11,176	9,218	19,851	1.78	11,265,275	261.96	6
Seru	18,205	14,598	30,308	1.66	16,620,074	263.48	6
Robe	27,062	21,061	42,075	1.55	25,195,492	297.92	6
Tena	20,684	14,706	28,660	1.39	18,270,979	308.93	7
Sherka	26,405	20,916	40,928	1.55	24,424,551	302.40	4
Digeluna Tijo	22,181	15,896	33,712	1.52	20,255,776	277.34	7
Tiyo	15,978	11,682	24,852	1.56	15,658,139	291.97	8
Munesa	35,171	25,506	51,942	1.48	29,735,017	278.58	7
Bekoji	35,995	26,838	59,838	1.66	34,271,313	250.21	4
Gedeb	24,847	18,606	36,812	1.48	21,087,664	277.40	5
Kofele	42,028	23,577	40,463	0.96	24,205,487	346.80	4
West Harerge Zone	291,356	168,373	306,643	1.05	193,953,925	403.11	5
Mieso	16,400	13,384	23,665	1.44	19,156,008	455.14	5
Doba	22,768	16,318	25,889	1.14	20,827,911	503.20	6
Tulo	24,329	13,080	18,798	0.77	15,012,177	558.88	5
Mesela	25,840	9,305	13,260	0.51	8,060,605	432.39	5
Chiro	62,368	30,897	89,300	1.43	36,354,717	268.62	5
Goba Koricha	20,014	14,689	26,159	1.31	18,658,331	398.05	6
Anchar	13,430	9,862	15,660	1.17	12,136,143	504.83	6
Habro	30,386	15,137	22,278	0.73	17,375,190	517.97	6
Darolebu	26,978	17,248	27,377	1.01	18,161,619	416.59	6
Boke	22,144	12,738	21,114	0.95	11,504,193	329.59	6
Kuni	26,701	15,715	23,144	0.87	16,707,030	491.02	5
East Harerge Zone	387,193	141,655	188,728	0.49	114,984,153	457.15	5
Kombolcha	20,710	2,023	2,684	0.13	1,518,253	442.82	6
Jarso	17,052	5,637	7,237	0.42	4,269,740	449.34	5
Gursum	25,567	13,755	22,429	0.88	13,390,787	370.48	4
Babile	10,237	7,475	12,879	1.26	8,312,262	361.26	3
Fedis	24,565	11,959	16,666	0.68	9,703,450	418.29	5
Haro Maya	31,404	3,398	3,708	0.12	2,152,490	537.44	5
Kurfa Chele	7,122	2,720	2,978	0.42	2,124,261	646.43	5
Kersa	27,745	10,549	12,632	0.46	8,298,243	553.60	4

TABLE 8.25A: -Number of Holders Reporting Ox (Specificaly for ploughing) Owned, Quantity Reported, Replacement Value and Average age of Ox, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Oxen Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Ox (Birr)	Average Age of Ox (Years)
East Shewa Zone	314,966	200,041	402,846	1.28	278,402,921	328.62	7
Fentale	6,677	4,594	7,904	1.18	5,647,346	425.65	6
Boset	24,837	15,450	30,345	1.22	22,675,410	367.25	8
Adama	26,906	17,639	34,076	1.27	25,050,991	384.76	7
Lome	14,564	11,412	28,222	1.94	25,065,295	327.64	8
Gimbichu	15,569	12,745	27,729	1.78	24,206,773	391.78	7
Ada'a Liben Chukala	40,176	28,568	67,288	1.67	56,462,226	344.78	7
Dugda Bora	28,844	20,497	46,277	1.60	28,339,317	267.58	7
Adami Tullu Jido Kombolcha	23,794	14,097	27,840	1.17	14,079,872	253.34	6
Arsi Negele	26,584	16,578	29,259	1.10	15,957,704	306.88	6
Shashemene	46,108	21,741	33,185	0.72	17,744,970	346.28	6
Seraro	48,209	27,313	47,863	0.99	22,845,567	275.55	7
Akaki	12,696	9,410	22,858	1.80	20,327,448	365.74	7
Arsi Zone	493,007	354,034	684,566	1.39	429,294,134	322.12	6
Merti	22,750	17,300	32,183	1.41	22,607,472	375.09	7
Aseko	14,396	11,071	18,885	1.31	13,269,005	413.51	8
Gololcha	29,178	18,841	27,315	0.94	18,527,956	478.68	7
Jeju	22,217	15,641	26,682	1.20	19,653,353	426.07	7
Dodotana Sire	22,887	15,858	30,679	1.34	22,296,375	372.97	8
Zeway Dugda	21,200	14,586	27,980	1.32	17,677,561	327.42	8
Hitosa	39,229	27,061	54,485	1.39	37,522,689	334.12	8
Sude	25,501	19,199	34,425	1.35	21,238,785	350.02	7
Chole	15,918	11,870	22,491	1.41	15,511,172	359.72	7
Amigna	11,176	9,218	19,851	1.78	11,265,275	261.96	6
Seru	18,205	14,598	30,308	1.66	16,620,074	263.48	6
Robe	27,062	21,061	42,075	1.55	25,195,492	297.92	6
Tena	20,684	14,706	28,660	1.39	18,270,979	308.93	7
Sherka	26,405	20,916	40,928	1.55	24,424,551	302.40	4
Digeluna Tijo	22,181	15,896	33,712	1.52	20,255,776	277.34	7
Tiyo	15,978	11,682	24,852	1.56	15,658,139	291.97	8
Munesa	35,171	25,506	51,942	1.48	29,735,017	278.58	7
Bekoji	35,995	26,838	59,838	1.66	34,271,313	250.21	4
Gedeb	24,847	18,606	36,812	1.48	21,087,664	277.40	5
Kofele	42,028	23,577	40,463	0.96	24,205,487	346.80	4
West Harerge Zone	291,356	168,373	306,643	1.05	193,953,925	403.11	5
Mieso	16,400	13,384	23,665	1.44	19,156,008	455.14	5
Doba	22,768	16,318	25,889	1.14	20,827,911	503.20	6
Tulo	24,329	13,080	18,798	0.77	15,012,177	558.88	5
Mesela	25,840	9,305	13,260	0.51	8,060,605	432.39	5
Chiro	62,368	30,897	89,300	1.43	36,354,717	268.62	5
Goba Koricha	20,014	14,689	26,159	1.31	18,658,331	398.05	6
Anchar	13,430	9,862	15,660	1.17	12,136,143	504.83	6
Habro	30,386	15,137	22,278	0.73	17,375,190	517.97	6
Darolebu	26,978	17,248	27,377	1.01	18,161,619	416.59	6
Boke	22,144	12,738	21,114	0.95	11,504,193	329.59	6
Kuni	26,701	15,715	23,144	0.87	16,707,030	491.02	5
East Harerge Zone	387,193	141,655	188,728	0.49	114,984,153	457.15	5
Kombolcha	20,710	2,023	2,684	0.13	1,518,253	442.82	6
Jarso	17,052	5,637	7,237	0.42	4,269,740	449.34	5
Gursum	25,567	13,755	22,429	0.88	13,390,787	370.48	4
Babile	10,237	7,475	12,879	1.26	8,312,262	361.26	3
Fedis	24,565	11,959	16,666	0.68	9,703,450	418.29	5
Haro Maya	31,404	3,398	3,708	0.12	2,152,490	537.44	5
Kurfa Chele	7,122	2,720	2,978	0.42	2,124,261	646.43	5
Kersa	27,745	10,549	12,632	0.46	8,298,243	553.60	4

TABLE 8.25A: -Number of Holders Reporting Ox (Specificaly for ploughing) Owned, Quantity Reported, Replacement Value and Average age of Ox, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Oxen Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Ox (Birr)	Average Age of Ox (Years)
East Harerge Zone	43,775	20,333	24,391	0.56	15,564,887	534.91	5
Meta	25,718	12,920	16,768	0.65	10,681,478	490.93	6
Goro Gutu	38,265	15,706	19,897	0.52	13,055,231	516.76	5
Deder	24,930	7,392	9,766	0.39	6,477,260	475.90	6
Malka Balo	43,356	12,764	15,982	0.37	8,791,175	436.48	5
Bedeno	38,886	9,583	11,738	0.30	5,786,536	416.10	4
Girawa	7,861	5,441	8,972	1.14	4,858,099	325.84	6
Gola Oda	259,058	154,639	302,337	1.17	151,191,018	251.72	4
Bale Zone	23,375	1,240	1,832	0.08	1,134,040	416.50	6
Kokosa	23,650	14,047	25,571	1.08	12,254,007	259.59	4
Dodola	19,856	13,730	28,902	1.46	13,835,118	221.67	4
Adaba	13,146	10,451	22,578	1.72	11,823,638	237.31	4
Agarfa	12,088	8,761	19,241	1.59	9,757,683	229.87	4
Gasera	14,914	10,910	21,785	1.46	12,050,555	274.10	4
Gololcha	8,094	5,478	8,741	1.08	4,268,498	302.71	4
Legehida	21,653	15,802	31,994	1.48	17,486,049	267.20	3
Ginir	24,988	20,170	45,813	1.83	22,881,723	217.82	4
Sinanana Dinsho	7,183	5,503	11,568	1.61	5,861,991	240.38	4
Goba	19,198	10,242	16,513	0.86	7,455,635	280.39	4
Mennana Arena Buluk	14,169	1,620	2,625	0.19	1,215,813	284.53	3
Nensebo	12,557	7,730	12,919	1.03	5,633,234	259.19	4
Meda Welabu	10,213	6,053	10,073	0.99	4,369,063	262.79	4
Berbere	4,160	2,995	5,209	1.25	2,309,618	252.77	3
Guradamole	15,934	12,743	26,522	1.66	13,748,686	241.03	4
Goro	6,168	2,802	3,908	0.63	1,999,937	368.47	3
Raytu	7,711	4,362	6,545	0.85	3,105,729	316.17	3
Seweyna	283,104	89,608	182,580	0.64	100,496,703	265.35	6
Borena Zone	42,623	7,492	14,090	0.33	6,734,934	255.83	8
Uraga	30,433	14,208	26,465	0.87	12,827,429	254.06	7
Bore	22,616	15,169	32,336	1.43	14,832,459	212.60	6
Adolana Wadera	14,015	3,883	8,147	0.58	4,024,424	237.00	9
Odo Shakiso	86,116	11,432	25,086	0.29	14,127,058	250.82	6
Hager Mariam	10,081	4,320	9,161	0.91	6,183,558	314.78	6
Yabelo	3,331	1,218	2,452	0.74	1,673,717	323.95	5
Arero	14,844	8,322	16,528	1.11	9,529,031	289.58	6
Liben	10,736	6,325	12,789	1.19	9,320,599	351.11	7
Moyale	13,719	7,748	16,854	1.23	11,945,040	323.49	6
Dire	7,361	4,713	9,152	1.24	4,944,461	274.30	6
Teltele	27,229	4,779	9,520	0.35	4,353,995	220.98	4
Gelana Abaya							

TABLE 8.26A: - Number of Holders Reporting Ass (For transportation) Owned, Quantity Reported, Replacement Value and Average age of Ass, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Asses Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Ass (Birr)	Average Age of Ass (Years)
Oromia Region	3,981,704	975,587	1,211,592	0.30	314,041,592	208.78	8
West Welega Zone	313,923	50,887	62,622	0.20	16,106,367	210.27	6
Mana Sibu	27,022	8,378	11,911	0.44	3,006,087	176.63	6
Nejo	17,916	4,637	5,723	0.32	1,435,547	207.97	7
Gimbi	17,096	3,084	3,979	0.23	1,078,662	212.88	5
Lalo Asabi	10,906	1,224	1,613	0.15	497,233	200.96	6
Boji	15,188	2,357	3,258	0.21	741,832	173.37	7
Ayra Guliso	16,371	2,495	2,913	0.18	684,072	200.67	5
Jarso	16,190	3,151	4,023	0.25	954,062	184.14	6
Gidami	13,636	1,822	1,958	0.14	474,650	224.98	6
Jimma Horo	6,869	722	826	0.12	194,503	212.35	7
Hawa Welel	17,315	1,974	2,088	0.12	550,773	251.12	6
Gawo Dale	23,820	3,589	3,806	0.16	1,006,324	252.05	6
Dale Sadi	11,117	1,217	1,380	0.12	356,434	227.42	5
Yubdo	5,640	842	1,087	0.19	278,842	201.40	6
Ganji	9,611	1,404	1,795	0.19	470,847	207.43	6
Haru	11,508	1,691	2,033	0.18	537,919	221.40	7
Nole Kaba	23,388	2,242	2,840	0.12	709,167	199.56	7
Lalo Kilie	7,900	922	1,182	0.15	295,126	197.60	6
Sayo	19,844	3,155	3,646	0.18	930,670	221.18	6
Anfilo	11,848	864	946	0.08	310,222	299.00	6
Begi	30,734	5,120	5,615	0.18	1,593,393	261.41	6
East Welega Zone	260,893	49,373	63,135	0.24	15,325,834	191.22	7
Limu	20,690	3,578	4,443	0.21	1,119,743	204.18	5
Ibantu	5,087	720	931	0.18	223,064	188.84	5
Gida Kiremu	22,168	2,983	3,746	0.17	900,171	193.84	8
Jarte	7,363	2,522	3,199	0.43	685,642	171.27	7
Amuru	7,739	2,074	2,495	0.32	540,298	184.94	7
Abe Dongoro	9,470	1,014	1,335	0.14	323,776	192.62	7
Jimma Horo	24,023	5,476	7,260	0.30	1,703,346	179.62	7
Abay Chomen	4,715	1,580	2,392	0.51	613,053	164.60	8
Guduru	21,520	4,123	5,550	0.26	1,343,240	178.61	6
Jimma Rare	7,738	846	1,147	0.15	280,212	182.39	8
Bila Seyo	13,470	3,022	3,729	0.28	821,178	182.12	8
Sibu Sire	15,203	3,074	4,049	0.27	965,855	183.20	8
Guto Wayu	28,487	4,739	6,007	0.21	1,449,710	191.21	6
Sasiga	11,346	3,381	4,632	0.41	1,121,611	177.28	5
Leka Dulecha	10,555	1,378	1,816	0.17	491,049	212.80	7
Diga	11,868	2,219	2,935	0.25	798,776	205.85	5
Jimma Arjo	13,333	1,426	1,611	0.12	491,048	265.31	8
Nunu Kumba	10,438	1,480	1,666	0.16	459,741	247.93	7
Wama Bonaya	15,680	3,739	4,192	0.27	994,320	209.16	6
Illibabor Zone	195,287	8,825	10,362	0.05	2,571,735	213.81	6
Darimu	22,324	1,661	2,106	0.09	517,302	197.29	6
Supena Sodo	13,139	436	492	0.04	118,759	213.28	6
Chora	19,554	884	1,021	0.05	268,141	225.15	5
Dega	10,191	754	894	0.09	198,435	195.81	7
Bedele	20,513	1,181	1,480	0.07	341,560	190.70	7
Gechi	10,893	166	179	0.02	42,916	220.62	6
Borecha Wereda	9,030	321	356	0.04	102,520	261.67	4
Dedesa	14,033	774	834	0.06	249,799	274.14	8
yayu	19,201	610	665	0.03	151,547	215.59	7
Metu	22,651	1,237	1,366	0.06	321,574	216.52	6

TABLE 8.26A: - Number of Holders Reporting Ass (For transportation) Owned, Quantity Reported, Replacement Value and Average age of Ass, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Asses Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Ass (Birr)	Average Age of Ass (Years)
Illibabor Zone	17,356	183	206	0.01	49,566	197.15	6
Ale	11,992	618	764	0.06	209,617	218.49	9
Bure	4,411	-	-	-	-	-	-
Nono	443,315	31,186	34,458	0.08	9,008,300	235.63	8
Jimma Zone	29,245	2,809	2,883	0.10	758,917	257.66	5
Limu Seka	45,921	2,718	2,774	0.06	798,491	281.22	8
Limu Kosa	25,586	2,643	2,941	0.11	577,575	177.35	7
Sokoru	24,135	2,688	3,004	0.12	733,955	218.40	8
Tiro Afeta	29,474	3,704	4,476	0.15	1,269,070	226.72	9
Kersa	27,816	639	708	0.03	175,012	236.42	7
Mana	49,523	1,011	1,011	0.02	347,225	343.45	5
Goma	20,803	*	*	-	358,971	*	*
Gera	56,422	*	*	-	*	*	*
Seka chekorsa	54,035	2,150	2,150	0.04	606,415	282.05	10
Dedo	45,972	10,406	11,923	0.26	2,943,928	215.33	7
Omonada	16,132	*	*	-	*	*	*
Sigmo	18,249	*	*	-	*	*	*
Setema	502,591	123,802	155,433	0.31	35,763,284	183.98	8
West Shewa Zone	33,630	5,229	7,593	0.23	1,477,133	136.69	8
Ginde Beret	33,701	5,769	7,194	0.21	1,708,959	194.16	8
Jeldu	40,122	9,926	13,762	0.34	2,662,440	144.81	8
Ambo	37,011	6,075	7,918	0.21	1,900,922	183.86	8
Cheliya	19,389	4,336	5,942	0.31	1,368,784	169.55	7
Bako Tibe	15,544	1,804	2,236	0.14	529,505	194.98	7
Dano	23,140	4,089	4,679	0.20	1,144,675	215.62	7
Nono	12,596	789	896	0.07	216,450	209.50	8
Tikur	21,943	4,388	4,853	0.22	1,195,788	224.44	8
Amaya	17,405	2,928	3,091	0.18	877,873	268.58	7
Wonchi	37,106	7,950	9,827	0.26	2,118,706	177.70	9
Dendi	15,219	4,163	5,153	0.34	1,039,057	165.29	7
Ejerie	19,302	6,133	8,390	0.43	1,762,229	151.48	8
Adda Berga	17,073	7,243	9,778	0.57	2,305,786	163.14	7
Walmara	20,607	9,601	12,547	0.61	3,282,598	197.60	8
Alem Gana	22,051	8,687	10,367	0.47	2,749,925	219.70	8
Kersana Kondaltiti	10,401	5,220	6,323	0.61	1,532,138	201.98	7
Tole	10,354	3,290	4,225	0.41	1,034,492	191.16	8
Elu	13,068	4,312	5,141	0.39	1,238,151	203.60	7
Dawo	35,633	8,060	9,300	0.26	2,114,556	200.25	7
Walisona Goro	11,294	4,744	5,543	0.49	1,320,536	201.83	9
Becho	12,362	5,030	5,590	0.45	1,143,060	178.12	8
Kokir	23,639	4,036	5,085	0.22	1,039,521	162.06	9
Meta Robi	237,011	89,850	113,351	0.48	22,787,008	156.75	9
North Shewa(Oromia) Zone	25,009	7,220	9,077	0.36	1,682,668	148.03	8
Wara Jarso	35,035	7,325	8,764	0.25	1,534,523	148.65	8
Dera	15,884	3,650	4,262	0.27	750,862	153.84	9
Hidabu Abote	20,090	5,236	6,042	0.30	1,037,310	150.02	8
Kuyu	17,936	6,825	8,117	0.45	1,370,303	143.40	8
Degem	13,163	6,532	7,716	0.59	1,661,880	177.41	8
Gerar Jarso	16,566	7,761	9,492	0.57	1,816,523	155.75	9
Yaya Gulelena Debre Libano	22,017	9,818	12,491	0.57	2,555,931	153.75	9
Wuchalena Jido	11,868	5,322	6,486	0.55	1,110,372	144.76	10
Abichuna Gna'a	10,860	5,137	6,580	0.61	1,326,380	154.95	8
Kembibit	24,774	13,427	18,444	0.74	4,660,107	178.03	8
Berehna Aleltu	23,810	11,597	15,881	0.67	3,280,150	150.24	9
Mulona Sululta							

TABLE 8.26A: - Number of Holders Reporting Ass (For transportation) Owned, Quantity Reported, Replacement Value and Average age of Ass, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Asses Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Ass (Birr)	Average Age of Ass (Years)
East Shewa Zone	314,966	143,594	198,278	0.63	54,391,742	196.68	8
Fentale	6,677	4,160	6,180	0.93	1,859,233	207.11	8
Boset	24,837	14,689	19,588	0.79	5,722,881	216.59	8
Adama	26,906	15,111	20,740	0.77	5,873,486	208.68	8
Lome	14,564	9,162	14,491	0.99	4,383,979	192.30	10
Gimbichu	15,569	9,238	13,849	0.89	3,682,268	179.15	8
Ada'a Liben Chukala	40,176	20,726	32,764	0.82	9,698,653	185.10	7
Dugda Bora	28,844	9,677	12,589	0.44	3,364,284	205.80	8
Adami Tullu Jido Kombolcha	23,794	9,328	12,939	0.54	3,020,147	167.14	8
Arsi Negele	26,584	10,214	12,538	0.47	3,508,464	231.02	7
Shashemene	46,108	12,250	15,247	0.33	3,974,743	206.38	8
Seraro	48,209	21,418	26,324	0.55	5,888,182	179.89	8
Akaki	12,696	7,621	11,031	0.87	3,415,423	206.93	8
Arsi Zone	493,007	164,438	206,094	0.42	52,865,254	204.09	8
Merti	22,750	7,945	9,161	0.40	2,587,855	247.03	9
Aseko	14,396	2,590	2,996	0.21	859,525	249.67	9
Gololcha	29,178	5,927	6,372	0.22	1,812,166	264.49	9
Jeju	22,217	8,111	10,191	0.46	2,780,448	216.78	7
Dodotana Sire	22,887	13,030	15,994	0.70	4,513,222	230.87	8
Zeway Dugda	21,200	9,373	12,573	0.59	3,197,397	190.46	9
Hitosa	39,229	19,589	25,232	0.64	6,610,890	202.12	9
Sude	25,501	7,292	8,058	0.32	1,910,920	215.08	8
Chole	15,918	4,050	4,466	0.28	1,108,019	227.50	8
Amigna	11,176	4,285	5,224	0.47	1,157,726	184.00	7
Seru	18,205	7,205	8,523	0.47	2,092,117	203.48	8
Robe	27,062	10,799	13,032	0.48	3,102,026	193.48	8
Tena	20,684	7,637	9,313	0.45	2,260,352	198.06	9
Sherka	26,405	9,528	11,569	0.44	2,835,622	194.88	5
Digeluna Tijo	22,181	6,338	8,101	0.37	1,907,632	182.64	9
Tiyo	15,978	6,767	8,559	0.54	2,125,350	195.92	9
Munesa	35,171	10,783	13,521	0.38	3,475,190	207.69	9
Bekoji	35,995	11,184	16,066	0.45	4,035,673	173.87	5
Gedeb	24,847	8,271	12,151	0.49	2,970,189	165.46	6
Kofele	42,028	3,734	4,992	0.12	1,522,936	227.59	5
West Harerge Zone	291,356	88,677	99,381	0.34	30,187,801	272.06	8
Mieso	16,400	8,393	8,956	0.55	2,800,074	292.66	8
Doba	22,768	4,884	5,681	0.25	1,727,058	261.08	9
Tulo	24,329	3,353	3,618	0.15	1,107,508	285.55	8
Mesela	25,840	4,586	5,350	0.21	1,441,319	238.10	9
Chiro	62,368	13,383	15,458	0.25	4,564,652	254.15	9
Goba Koricha	20,014	8,261	9,695	0.48	3,093,051	271.55	8
Anchar	13,430	4,357	5,014	0.37	1,487,708	257.09	7
Habro	30,386	10,588	11,258	0.37	3,605,001	300.67	8
Darolebu	26,978	4,069	4,531	0.17	1,352,382	269.43	8
Boke	22,144	15,706	18,084	0.82	5,097,789	247.33	7
Kuni	26,701	11,098	11,736	0.44	3,911,260	315.07	6
East Harerge Zone	387,193	96,731	104,563	0.27	27,531,304	244.75	9
Kombolcha	20,710	5,503	5,692	0.27	1,511,763	257.85	9
Jarso	17,052	5,190	5,900	0.35	1,403,478	212.92	8
Gursum	25,567	6,185	7,054	0.28	1,914,441	238.31	8
Babile	10,237	1,826	2,021	0.20	637,095	271.68	9
Fedis	24,565	14,017	15,079	0.61	4,321,220	267.16	9
Haro Maya	31,404	9,135	9,226	0.29	3,006,825	323.25	9
Kurfa Chele	7,122	1,769	1,929	0.27	517,695	246.26	9
Kersa	27,745	9,501	9,791	0.35	2,762,960	273.11	7

TABLE 8.26A: - Number of Holders Reporting Ass (For threshing/ transportation) Owned, Quantity Reported, Replacement Value and Average age of Ass, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Asses Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Ass (Birr)	Average Age of Ass (Years)
East Harerge Zone							
Meta	43,775	10,917	12,177	0.28	2,734,866	202.80	9
Goro Gutu	25,718	5,548	6,008	0.23	1,304,573	202.08	8
Deder	38,265	9,953	10,750	0.28	2,711,295	236.25	8
Malka Balo	24,930	4,689	5,212	0.21	1,338,408	231.41	7
Bedeno	43,356	6,290	6,737	0.16	1,539,444	212.10	10
Girawa	38,886	3,668	4,215	0.11	1,065,528	221.63	8
Gola Oda	7,861	2,540	2,775	0.35	761,714	247.10	10
Bale Zone	259,058	87,760	110,640	0.43	29,115,638	210.56	5
Kokosa	23,375	125	152	0.01	*	202.99	*
Dodola	23,650	8,685	11,365	0.48	2,526,319	170.07	5
Adaba	19,856	8,827	11,486	0.58	2,655,333	177.44	5
Agarfa	13,146	8,120	11,003	0.84	2,886,315	190.50	5
Gasera	12,088	7,329	9,337	0.77	2,443,619	207.97	5
Gololcha	14,914	6,554	7,935	0.53	2,202,523	222.54	5
Legehida	8,094	1,162	1,265	0.16	369,499	265.77	5
Ginir	21,653	8,459	10,232	0.47	2,846,977	234.21	5
Sinanana Dinsho	24,988	13,518	18,660	0.75	4,681,565	186.39	5
Goba	7,183	3,710	5,094	0.71	1,389,278	198.95	4
Mennana Arena Buluk	19,198	4,960	5,156	0.27	1,613,868	303.49	6
Nensebo	14,169	707	755	0.05	186,714	231.85	4
Meda Welabu	12,557	776	938	0.07	262,384	234.79	5
Berbere	10,213	2,429	2,429	0.24	742,854	305.99	5
Guradamole	4,160	948	1,014	0.24	283,185	264.21	4
Goro	15,934	7,266	9,270	0.58	2,690,870	226.54	5
Raytu	6,168	1,736	1,948	0.32	582,556	267.70	5
Seweyna	7,711	2,449	2,600	0.34	711,401	259.25	4
Borena Zone	283,104	40,465	53,275	0.19	18,387,324	263.26	9
Uraga	42,623	677	837	0.02	347,582	315.43	10
Bore	30,433	1,233	1,679	0.06	538,458	231.93	8
Adolana Wadera	22,616	6,179	7,585	0.34	2,425,617	262.13	7
Odo Shakiso	14,015	4,450	5,812	0.41	1,972,046	266.83	12
Hager Mariam	86,116	14,115	19,651	0.23	6,704,782	243.47	9
Yabelo	10,081	746	1,118	0.11	414,450	254.24	7
Arero	3,331	342	508	0.15	192,539	253.43	11
Liben	14,844	3,651	4,625	0.31	1,860,213	319.50	8
Moyale	10,736	2,325	2,767	0.26	1,238,765	381.88	10
Dire	13,719	2,980	3,995	0.29	1,295,814	243.61	11
Teltele	7,361	1,524	2,197	0.30	663,667	207.08	9
Gelana Abaya	27,229	2,243	2,499	0.09	733,392	269.11	8

TABLE 8.27A: -Number of Holders Reporting Camel (For threshing/ transportation) Owned, Quantity Reported, Replacement Value and Average age of Camel, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Camels Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Camel (Birr)	Average Age of Camel (Years)
Oromia Region	3,981,704	11,450	16,944	0.00	14,980,711	590.07	8
West Welega Zone	313,923	-	-	-	-	-	-
Mana Sibu	27,022	-	-	-	-	-	-
Nejo	17,916	-	-	-	-	-	-
Gimbi	17,096	-	-	-	-	-	-
Lalo Asabi	10,906	-	-	-	-	-	-
Boji	15,188	-	-	-	-	-	-
Ayra Guliso	16,371	-	-	-	-	-	-
Jarso	16,190	-	-	-	-	-	-
Gidami	13,636	-	-	-	-	-	-
Jimma Horo	6,869	-	-	-	-	-	-
Hawa Welel	17,315	-	-	-	-	-	-
Gawo Dale	23,820	-	-	-	-	-	-
Dale Sadi	11,117	-	-	-	-	-	-
Yubdo	5,640	-	-	-	-	-	-
Ganji	9,611	-	-	-	-	-	-
Haru	11,508	-	-	-	-	-	-
Nole Kaba	23,388	-	-	-	-	-	-
Lalo Kilie	7,900	-	-	-	-	-	-
Sayo	19,844	-	-	-	-	-	-
Anfilo	11,848	-	-	-	-	-	-
Begi	30,734	-	-	-	-	-	-
East Welega Zone	260,893	*	*	-	*	*	*
Limu	20,690	-	-	-	-	-	-
Ibantu	5,087	-	-	-	-	-	-
Gida Kiremu	22,168	-	-	-	-	-	-
Jarte	7,363	-	-	-	-	-	-
Amuru	7,739	-	-	-	-	-	-
Abe Dongoro	9,470	-	-	-	-	-	-
Jimma Horo	24,023	-	-	-	-	-	-
Abay Chomen	4,715	*	*	-	*	*	*
Guduru	21,520	-	-	-	-	-	-
Jimma Rare	7,738	-	-	-	-	-	-
Bila Seyo	13,470	-	-	-	-	-	-
Sibu Sire	15,203	-	-	-	-	-	-
Guto Wayu	28,487	-	-	-	-	-	-
Sasiga	11,346	-	-	-	-	-	-
Leka Dulecha	10,555	-	-	-	-	-	-
Diga	11,868	-	-	-	-	-	-
Jimma Arjo	13,333	-	-	-	-	-	-
Nunu Kumba	10,438	-	-	-	-	-	-
Wama Bonaya	15,680	-	-	-	-	-	-
Illibabor Zone	195,287	-	-	-	-	-	-
Darimu	22,324	-	-	-	-	-	-
Supena Sodo	13,139	-	-	-	-	-	-
Chora	19,554	-	-	-	-	-	-
Dega	10,191	-	-	-	-	-	-
Bedele	20,513	-	-	-	-	-	-
Gechi	10,893	-	-	-	-	-	-
Borecha Wereda	9,030	-	-	-	-	-	-
Dedesa	14,033	-	-	-	-	-	-
yayu	19,201	-	-	-	-	-	-
Metu	22,651	-	-	-	-	-	-

TABLE 8.27A: -Number of Holders Reporting Camel (For threshing/ transportation) Owned, Quantity Reported, Replacement Value and Average age of Camel, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Camels Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Camel (Birr)	Average Age of Camel (Years)
Illibabor Zone							
Ale	17,356	-	-	-	-	-	-
Bure	11,992	-	-	-	-	-	-
Nono	4,411	-	-	-	-	-	-
Jimma Zone	443,315	-	-	-	-	-	-
Limu Seka	29,245	-	-	-	-	-	-
Limu Kosa	45,921	-	-	-	-	-	-
Sokoru	25,586	-	-	-	-	-	-
Tiro Afeta	24,135	-	-	-	-	-	-
Kersa	29,474	-	-	-	-	-	-
Mana	27,816	-	-	-	-	-	-
Goma	49,523	-	-	-	-	-	-
Gera	20,803	-	-	-	-	-	-
Seka chekorsa	56,422	-	-	-	-	-	-
Dedo	54,035	-	-	-	-	-	-
Omonada	45,972	-	-	-	-	-	-
Sigmo	16,132	-	-	-	-	-	-
Setema	18,249	-	-	-	-	-	-
West Shewa Zone	502,591	-	-	-	-	-	-
Ginde Beret	33,630	-	-	-	-	-	-
Jeldu	33,701	-	-	-	-	-	-
Ambo	40,122	-	-	-	-	-	-
Cheliya	37,011	-	-	-	-	-	-
Bako Tibe	19,389	-	-	-	-	-	-
Dano	15,544	-	-	-	-	-	-
Nono	23,140	-	-	-	-	-	-
Tikur	12,596	-	-	-	-	-	-
Amaya	21,943	-	-	-	-	-	-
Wonchi	17,405	-	-	-	-	-	-
Dendi	37,106	-	-	-	-	-	-
Ejerie	15,219	-	-	-	-	-	-
Adda Berga	19,302	-	-	-	-	-	-
Walmara	17,073	-	-	-	-	-	-
Alem Gana	20,607	-	-	-	-	-	-
Kersana Kondaltiti	22,051	-	-	-	-	-	-
Tole	10,401	-	-	-	-	-	-
Elu	10,354	-	-	-	-	-	-
Dawo	13,068	-	-	-	-	-	-
Walisona Goro	35,633	-	-	-	-	-	-
Becho	11,294	-	-	-	-	-	-
Kokir	12,362	-	-	-	-	-	-
Meta Robi	23,639	-	-	-	-	-	-
North Shewa(Oromia) Zone	237,011	-	-	-	-	-	-
Wara Jarso	25,009	-	-	-	-	-	-
Dera	35,035	-	-	-	-	-	-
Hidabu Abote	15,884	-	-	-	-	-	-
Kuyu	20,090	-	-	-	-	-	-
Degem	17,936	-	-	-	-	-	-
Gerar Jarso	13,163	-	-	-	-	-	-
Yaya Gulelena Debre Libano	16,566	-	-	-	-	-	-
Wuchalena Jido	22,017	-	-	-	-	-	-
Abichuna Gna'a	11,868	-	-	-	-	-	-
Kembibit	10,860	-	-	-	-	-	-
Berehna Aleltu	24,774	-	-	-	-	-	-
Mulona Sululta	23,810	-	-	-	-	-	-

TABLE 8.27A: -Number of Holders Reporting Camel (For threshing/ transportation) Owned, Quantity Reported, Replacement Value and Average age of Camel, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Camels Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Camel (Birr)	Average Age of Camel (Years)
East Shewa Zone	314,966	1,434	2,284	0.01	2,761,968	564.73	9
Fentale	6,677	759	1,410	0.21	2,070,050	528.07	10
Boset	24,837	639	838	0.03	670,403	625.00	8
Adama	26,906	*	*	-	*	*	*
Lome	14,564	-	-	-	-	-	-
Gimbichu	15,569	-	-	-	-	-	-
Ada'a Liben Chukala	40,176	-	-	-	-	-	-
Dugda Bora	28,844	-	-	-	-	-	-
Adami Tullu Jido Kombolcha	23,794	-	-	-	-	-	-
Arsi Negele	26,584	-	-	-	-	-	-
Shashemene	46,108	-	-	-	-	-	-
Seraro	48,209	-	-	-	-	-	-
Akaki	12,696	-	-	-	-	-	-
Arsi Zone	493,007	*	*	-	*	*	*
Merti	22,750	*	*	-	*	*	*
Aseko	14,396	-	-	-	-	-	-
Gololcha	29,178	-	-	-	-	-	-
Jeju	22,217	*	*	-	*	*	*
Dodotana Sire	22,887	-	-	-	-	-	-
Zeway Dugda	21,200	-	-	-	-	-	-
Hitosa	39,229	-	-	-	-	-	-
Sude	25,501	-	-	-	-	-	-
Chole	15,918	-	-	-	-	-	-
Amigna	11,176	-	-	-	-	-	-
Seru	18,205	-	-	-	-	-	-
Robe	27,062	-	-	-	-	-	-
Tena	20,684	-	-	-	-	-	-
Sherka	26,405	-	-	-	-	-	-
Digeluna Tijo	22,181	-	-	-	-	-	-
Tiyo	15,978	-	-	-	-	-	-
Munesa	35,171	-	-	-	-	-	-
Bekoji	35,995	-	-	-	-	-	-
Gedeb	24,847	-	-	-	-	-	-
Kofele	42,028	-	-	-	-	-	-
West Harerge Zone	291,356	1,782	3,423	0.01	3,392,058	522.79	8
Mieso	16,400	940	1,718	0.10	1,855,921	575.31	9
Doba	22,768	-	-	-	-	-	-
Tulo	24,329	-	-	-	-	-	-
Mesela	25,840	-	-	-	-	-	-
Chiro	62,368	*	*	-	*	*	*
Goba Koricha	20,014	*	*	-	*	*	*
Anchar	13,430	*	*	-	*	*	*
Habro	30,386	*	*	-	*	*	*
Darolebu	26,978	-	-	-	-	-	-
Boke	22,144	*	*	-	*	*	*
Kuni	26,701	-	-	-	-	-	-
East Harerge Zone	387,193	705	1,090	0.00	1,002,873	972.79	7
Kombolcha	20,710	-	-	-	-	-	-
Jarso	17,052	*	*	-	*	*	*
Gursum	25,567	297	387	0.02	459,026	952.47	5
Babile	10,237	*	*	-	*	*	*
Fedis	24,565	*	*	-	*	*	*
Haro Maya	31,404	-	-	-	-	-	-
Kurfa Chele	7,122	-	-	-	-	-	-
Kersa	27,745	-	-	-	-	-	-

TABLE 8.27A: -Number of Holders Reporting Camel (For threshing/ transportation) Owned, Quantity Reported, Replacement Value and Average age of Camel, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Camels Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Camel (Birr)	Average Age of Camel (Years)
East Harerge Zone	43,775	-	-	-	-	-	-
Meta	25,718	*	*	-	*	*	*
Goro Gutu	38,265	-	-	-	-	-	-
Deder	24,930	*	*	-	*	*	*
Malka Balo	43,356	-	-	-	-	-	-
Bedeno	38,886	-	-	-	-	-	-
Girawa	7,861	*	*	-	*	*	*
Gola Oda	259,058	3,433	3,961	0.02	2,758,559	602.61	5
Bale Zone	23,375	-	-	-	-	-	-
Kokosa	23,650	-	-	-	-	-	-
Dodola	19,856	-	-	-	-	-	-
Adaba	13,146	-	-	-	-	-	-
Agarfa	12,088	-	-	-	-	-	-
Gasera	14,914	*	*	-	*	*	*
Gololcha	8,094	519	635	0.08	451,609	580.17	6
Legehida	21,653	*	*	-	*	*	*
Ginir	24,988	-	-	-	-	-	-
Sinanana Dinsho	7,183	-	-	-	-	-	-
Goba	19 198	288	288	0.02	174,202	604.87	3
Mennana Arena Buluk	14,169	-	-	-	-	-	-
Nensebo	12,557	1,066	1,325	0.11	873,352	529.12	7
Meda Welabu	10,213	*	*	-	*	*	*
Berbere	4,160	*	*	-	*	*	*
Guradamole	15,934	*	*	-	*	*	*
Goro	6,168	756	825	0.13	628,912	688.86	5
Raytu	7,711	424	502	0.07	367,576	631.24	5
Seweyna	283,104	3,964	5,644	0.02	4,577,669	594.23	9
Borena Zone	42,623	-	-	-	-	-	-
Uraga	30,433	-	-	-	-	-	-
Bore	22,616	-	-	-	-	-	-
Adolana Wadera	14,015	98	98	0.01	92,941	948.37	6
Odo Shakiso	86,116	-	-	-	-	-	-
Hager Mariam	10,081	906	1,230	0.12	1,080,188	651.15	8
Yabelo	3,331	685	856	0.26	741,945	688.13	10
Arero	14,844	1,312	1,976	0.13	1,679,368	549.90	9
Liben	10,736	278	703	0.07	389,782	352.76	10
Moyale	13,719	616	712	0.05	518,332	647.79	11
Dire	7,361	70	70	0.01	75,114	1,073.06	10
Teltele	27,229	-	-	-	-	-	-
Gelana Abaya							

TABLE 8.28A: -Number of Holders Reporting Cattle (For threshing/ transportation) Owned, Quantity Reported, Replacement Value and Average age of Cattle, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Cattle Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Cattle (Birr)	Average Age of Cattle (Years)
Oromia Region	3,981,704	2,444,409	6,242,998	1.57	3,140,442,613	206.13	6
West Welega Zone	313,923	168,184	448,370	1.43	157,198,180	147.51	6
Mana Sibu	27,022	15,127	62,023	2.30	18,655,154	93.85	5
Nejo	17,916	10,351	37,658	2.10	11,939,996	93.81	6
Gimbi	17,096	8,659	20,710	1.21	7,555,474	175.40	5
Lalo Asabi	10,906	4,506	10,774	0.99	3,928,200	160.46	5
Boji	15,188	7,324	30,957	2.04	7,297,430	80.30	6
Ayra Guliso	16,371	8,783	17,790	1.09	6,032,876	174.61	5
Jarso	16,190	10,856	40,800	2.52	13,116,785	93.09	6
Gidami	13,636	7,653	13,629	1.00	5,864,610	250.10	6
Jimma Horo	6,869	4,842	9,070	1.32	3,889,707	230.17	6
Hawa Welel	17,315	9,340	14,903	0.86	6,713,770	281.44	7
Gawo Dale	23,820	11,399	25,765	1.08	9,803,723	168.76	5
Dale Sadi	11,117	7,288	20,307	1.83	8,245,221	137.31	5
Yubdo	5,640	2,915	8,063	1.43	2,483,121	119.30	6
Ganji	9,611	5,411	14,059	1.46	5,164,957	149.30	6
Haru	11,508	5,078	13,212	1.15	4,823,629	149.64	6
Nole Kaba	23,388	13,780	42,018	1.80	13,245,933	110.32	7
Lalo Kilie	7,900	5,682	17,892	2.26	5,612,674	102.52	6
Sayo	19,844	9,366	13,262	0.67	6,121,009	326.36	6
Anfilo	11,848	2,697	5,292	0.45	2,423,521	243.04	6
Begi	30,734	17,128	30,187	0.98	14,280,389	267.88	6
East Welega Zone	260,893	184,245	642,951	2.46	250,056,000	117.96	7
Limu	20,690	13,620	50,140	2.42	18,069,684	104.20	6
Ibantu	5,087	4,142	15,569	3.06	6,575,897	113.84	6
Gida Kiremu	22,168	15,913	50,456	2.28	20,949,848	134.67	6
Jarte	7,363	6,037	30,521	4.15	10,487,623	74.05	6
Amuru	7,739	6,214	28,546	3.69	11,088,842	87.17	7
Abe Dongoro	9,470	5,795	20,088	2.12	7,683,067	123.63	7
Jimma Horo	24,023	18,103	75,252	3.13	30,611,271	106.55	7
Abay Chomen	4,715	3,720	16,080	3.41	7,164,409	107.19	7
Guduru	21,520	16,400	62,200	2.89	26,348,045	124.52	7
Jimma Rare	7,738	5,697	16,448	2.13	7,772,095	167.69	8
Bila Seyo	13,470	10,348	34,701	2.58	12,703,764	118.98	7
Sibu Sire	15,203	10,787	32,717	2.15	13,268,641	135.59	7
Guto Wayu	28,487	16,707	49,917	1.75	19,397,651	134.56	6
Sasiga	11,346	6,957	21,239	1.87	7,858,617	126.67	6
Leka Dulecha	10,555	7,732	25,556	2.42	9,362,263	114.47	7
Diga	11,868	7,769	20,658	1.74	7,954,089	156.35	5
Jimma Arjo	13,333	9,439	29,113	2.18	10,600,556	122.91	8
Nunu Kumba	10,438	7,524	25,096	2.40	8,525,017	105.38	7
Wama Bonaya	15,680	11,341	38,654	2.47	13,634,624	109.36	7
Illibabor Zone	195,287	125,445	316,056	1.62	115,798,807	152.97	6
Darimu	22,324	13,898	28,570	1.28	8,418,501	145.90	6
Supena Sodo	13,139	8,511	29,897	2.28	8,864,089	89.70	7
Chora	19,554	13,792	44,394	2.27	16,242,892	120.03	6
Dega	10,191	7,244	25,031	2.46	8,497,169	102.54	7
Bedele	20,513	14,452	47,805	2.33	16,814,982	110.88	6
Gechi	10,893	8,161	24,905	2.29	8,900,111	124.65	6
Borecha Wereda	9,030	6,555	20,174	2.23	7,937,030	126.34	6
Dedesa	14,033	8,275	16,773	1.20	7,845,991	233.83	8
yayu	19,201	11,923	26,294	1.37	10,310,158	186.10	7
Metu	22,651	11,400	17,999	0.79	7,351,016	265.72	6

TABLE 8.28A: -Number of Holders Reporting Cattle (For threshing/ transportation) Owned, Quantity Reported, Replacement Value and Average age of Cattle , for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Cattle Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Cattle (Birr)	Average Age of Cattle (Years)
Illibabor Zone	17,356	10,660	16,131	0.93	7,304,887	295.45	6
Ale	11,992	8,019	14,703	1.23	5,727,535	210.86	7
Bure	4,411	2,557	3,383	0.77	1,584,449	349.50	6
Nono	443,315	299,504	606,529	1.37	259,585,954	219.37	6
Jimma Zone	29,245	22,714	54,637	1.87	22,130,956	174.34	6
Limu Seka	45,921	31,931	63,420	1.38	30,620,285	242.11	7
Limu Kosa	25,586	18,829	37,911	1.48	13,894,374	188.89	6
Sokoru	24,135	19,324	40,617	1.68	18,668,902	217.80	6
Tiro Afeta	29,474	25,344	60,785	2.06	26,567,020	188.56	7
Kersa	27,816	14,582	23,600	0.85	11,029,717	304.51	7
Mana	49,523	19,740	30,080	0.61	15,784,026	342.36	6
Goma	20,803	15,185	27,712	1.33	12,949,056	247.89	8
Gera	56,422	35,407	58,261	1.03	26,204,167	258.51	7
Seka chekorsa	54,035	40,308	90,275	1.67	28,830,443	177.39	6
Dedo	45,972	34,903	75,098	1.63	32,865,301	201.99	6
Omonada	16,132	9,926	14,447	0.90	6,800,763	323.21	5
Sigmo	18,249	11,311	29,686	1.63	13,240,942	183.17	6
Setema	502,591	346,984	977,835	1.95	508,170,099	195.59	7
West Shewa Zone	33,630	24,268	68,873	2.05	31,713,748	171.53	7
Ginde Beret	33,701	23,423	53,538	1.59	31,744,869	261.64	8
Jeldu	40,122	28,754	110,817	2.76	45,449,678	116.03	7
Ambo	37,011	26,833	86,383	2.33	35,010,044	129.22	7
Cheliya	19,389	11,289	41,413	2.14	16,689,660	114.80	7
Bako Tibe	15,544	13,319	51,519	3.31	20,535,538	109.57	7
Dano	23,140	17,091	44,229	1.91	21,600,986	193.67	7
Nono	12,596	5,869	11,988	0.95	5,102,640	220.99	7
Tikur	21,943	15,846	36,187	1.65	18,404,759	238.58	8
Amaya	17,405	10,159	17,100	0.98	9,474,915	344.84	7
Wonchi	37,106	24,372	66,112	1.78	39,088,292	229.84	8
Dendi	15,219	10,443	26,145	1.72	17,303,602	270.01	8
Ejerie	19,302	14,913	49,667	2.57	26,980,901	168.67	8
Adda Berga	17,073	11,876	37,992	2.23	21,932,748	182.81	7
Walmara	20,607	12,624	35,240	1.71	23,347,779	244.66	8
Alem Gana	22,051	17,370	50,575	2.29	30,506,435	210.67	8
Kersana Kondaltiti	10,401	8,019	20,824	2.00	13,294,606	260.10	7
Tole	10,354	6,859	15,129	1.46	11,029,685	331.46	9
Elu	13,068	9,025	23,586	1.80	14,389,311	240.97	8
Dawo	35,633	20,613	47,305	1.33	26,838,370	253.26	7
Walisona Goro	11,294	8,610	18,242	1.62	12,268,696	323.62	8
Becho	12,362	8,516	17,254	1.40	9,317,504	266.38	8
Kokir	23,639	16,892	47,719	2.02	26,145,335	205.84	8
Meta Robi	237,011	185,442	588,620	2.48	347,156,465	190.04	8
North Shewa(Oromia) Zone	25,009	19,622	56,418	2.26	31,105,269	199.26	8
Wara Jarso	35,035	23,577	60,537	1.73	33,016,819	219.49	8
Dera	15,884	11,967	33,546	2.11	18,298,065	194.77	8
Hidabu Abote	20,090	15,361	39,327	1.96	22,362,261	223.53	7
Kuyu	17,936	13,572	40,848	2.28	22,762,659	192.38	8
Degem	13,163	11,491	30,728	2.33	19,806,659	241.31	7
Gerar Jarso	16,566	13,651	40,235	2.43	24,433,231	213.32	8
Yaya Gulelena Debre Libano	22,017	18,128	76,293	3.47	44,456,557	143.97	7
Wuchalena Jido	11,868	10,044	41,088	3.46	21,563,829	127.04	10
Abichuna Gna'a	10,860	8,279	28,824	2.65	19,285,880	198.29	8
Kembibit	24,774	20,059	74,878	3.02	46,564,417	172.74	8
Berehna Aleltu	23,810	19,690	65,898	2.77	43,500,819	201.80	7
Mulona Sululta							

TABLE 8.28A: -Number of Holders Reporting Cattle (For threshing/ transportation) Owned, Quantity Reported, Replacement Value and Average age of Cattle , for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Cattle Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Cattle (Birr)	Average Age of Cattle (Years)
East Shewa Zone	314,966	199,508	490,939	1.56	311,469,384	254.06	7
Fentale	6,677	4,239	8,061	1.21	5,426,392	376.09	7
Boset	24,837	15,893	36,154	1.46	26,338,153	306.45	8
Adama	26,906	15,270	37,318	1.39	25,740,643	284.18	7
Lome	14,564	11,420	39,040	2.68	28,096,788	218.03	8
Gimbichu	15,569	13,143	40,814	2.62	30,374,527	250.47	7
Ada'a Liben Chukala	40,176	29,057	93,912	2.34	66,537,192	228.93	7
Dugda Bora	28,844	20,670	50,453	1.75	29,933,009	245.24	7
Adami Tullu Jido Kombolcha	23,794	14,060	29,882	1.26	14,626,198	230.51	6
Arsi Negele	26,584	16,556	33,029	1.24	16,949,655	265.95	6
Shashemene	46,108	22,212	38,316	0.83	19,500,361	302.22	6
Seraro	48,209	27,406	49,191	1.02	23,152,548	266.15	7
Akaki	12,696	9,582	34,769	2.74	24,793,917	203.12	7
Arsi Zone	493,007	367,539	1,064,535	2.16	566,092,400	192.77	6
Merti	22,750	18,361	57,994	2.55	33,078,124	189.57	7
Aseko	14,396	11,450	31,866	2.21	18,617,536	222.64	8
Gololcha	29,178	18,852	31,640	1.08	20,450,586	393.84	7
Jeju	22,217	16,213	38,080	1.71	23,904,576	285.04	7
Dodotana Sire	22,887	16,562	43,265	1.89	28,157,706	253.13	8
Zeway Dugda	21,200	14,776	34,080	1.61	19,359,191	260.03	8
Hitosa	39,229	29,030	92,007	2.35	51,996,633	187.71	8
Sude	25,501	20,284	60,020	2.35	31,003,121	179.69	7
Chole	15,918	12,164	32,055	2.01	19,242,182	236.10	7
Amigna	11,176	9,297	34,002	3.04	16,648,919	131.80	6
Seru	18,205	14,878	47,965	2.63	22,438,008	153.75	6
Robe	27,062	22,255	77,388	2.86	37,197,906	143.69	6
Tena	20,684	16,120	54,194	2.62	27,447,321	155.25	7
Sherka	26,405	21,995	64,439	2.44	32,872,416	178.23	4
Digeluna Tijo	22,181	16,589	54,609	2.46	27,361,818	158.71	7
Tiyo	15,978	12,026	35,276	2.21	19,712,400	197.20	8
Munesa	35,171	25,843	70,305	2.00	36,705,067	193.44	7
Bekoji	35,995	28,116	92,589	2.57	44,810,145	150.03	4
Gedeb	24,847	18,818	49,423	1.99	23,948,710	191.38	4
Kofele	42,028	23,911	63,339	1.51	31,140,034	203.92	4
West Harerge Zone	291,356	180,611	334,197	1.15	224,771,315	370.67	5
Mieso	16,400	13,594	25,835	1.58	20,399,715	417.20	5
Doba	22,768	16,605	30,025	1.32	22,362,547	425.35	6
Tulo	24,329	15,319	27,040	1.11	18,277,096	394.53	5
Mesela	25,840	9,313	16,234	0.63	8,499,183	318.00	6
Chiro	62,368	33,835	59,083	0.95	43,278,543	422.66	5
Goba Koricha	20,014	15,165	30,754	1.54	20,583,094	336.93	6
Anchar	13,430	9,965	20,640	1.54	14,436,244	354.69	6
Habro	30,386	16,874	29,800	0.98	20,203,486	384.30	6
Darolebu	26,978	17,546	29,790	1.10	19,390,992	383.60	6
Boke	22,144	13,639	25,127	1.13	12,276,141	278.92	6
Kuni	26,701	18,755	39,869	1.49	25,064,275	299.81	5
East Harerge Zone	387,193	145,961	201,321	0.52	119,588,854	434.22	5
Kombolcha	20,710	1,819	2,506	0.12	1,351,205	402.46	5
Jarso	17,052	5,659	7,238	0.42	4,172,659	450.08	5
Gursum	25,567	14,020	24,671	0.96	14,284,051	339.03	4
Babile	10,237	7,469	12,919	1.26	8,315,056	359.55	3
Fedis	24,565	12,096	16,928	0.69	9,820,930	414.63	5
Haro Maya	31,404	2,949	3,170	0.10	1,906,342	557.60	5
Kurfa Chele	7,122	2,653	3,113	0.44	2,147,988	577.86	5
Kersa	27,745	11,124	13,929	0.50	8,856,262	517.38	4

TABLE 8.28A: -Number of Holders Reporting Cattle (For threshing/ transportation) Owned, Quantity Reported, Replacement Value and Average age of Cattle , for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Cattle Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Cattle (Birr)	Average Age of Cattle (Years)
East Harerge Zone							
Meta	43,775	20,756	25,468	0.58	16,166,721	525.00	5
Goro Gutu	25,718	13,048	17,148	0.67	10,818,290	482.31	6
Deder	38,265	15,923	20,695	0.54	13,443,977	499.91	5
Malka Balo	24,930	8,142	11,938	0.48	6,994,512	406.56	6
Bedeno	43,356	14,634	19,654	0.45	9,996,270	383.92	5
Girawa	38,886	10,244	12,992	0.33	6,466,536	388.94	5
Gola Oda	7,861	5,426	8,950	1.14	4,848,054	325.18	6
Bale Zone	259,058	156,351	366,854	1.42	172,440,396	202.01	4
Kokosa	23,375	1,129	1,645	0.07	981,168	400.14	5
Dodola	23,650	14,829	34,762	1.47	14,614,286	185.86	4
Adaba	19,856	14,198	35,476	1.79	15,662,796	178.48	4
Agarfa	13,146	10,669	30,368	2.31	14,196,198	167.58	4
Gasera	12,088	8,975	25,842	2.14	12,356,031	168.15	4
Gololcha	14,914	11,121	29,254	1.96	15,762,168	199.38	4
Legehida	8,094	4,462	9,618	1.19	4,235,539	211.16	4
Ginir	21,653	16,339	38,397	1.77	19,566,464	226.77	3
Sinanana Dinsho	24,988	20,325	53,359	2.14	25,429,143	182.42	4
Goba	7,183	5,568	12,673	1.76	6,219,235	218.10	4
Mennana Arena Buluk	19,198	10,287	19,002	0.99	8,347,506	239.92	4
Nensebo	14,169	1,617	3,529	0.25	1,415,715	192.85	3
Meda Welabu	12,557	7,807	13,861	1.10	5,914,238	241.74	4
Berbere	10,213	6,242	11,310	1.11	4,867,410	237.15	4
Guradamole	4,160	3,066	6,153	1.48	2,649,121	214.24	3
Goro	15,934	12,870	31,220	1.96	15,298,489	201.04	4
Raytu	6,168	2,790	3,922	0.64	1,996,254	364.81	3
Seweyna	7,711	4,055	6,464	0.84	2,928,634	287.05	3
Borena Zone	283,104	84,635	204,792	0.72	108,114,760	219.78	6
Uraga	42,623	6,146	11,389	0.27	5,563,415	257.92	8
Bore	30,433	11,814	29,881	0.98	11,150,756	171.82	6
Adolana Wadera	22,616	15,053	38,443	1.70	17,521,604	176.85	6
Odo Shakiso	14,015	3,898	10,765	0.77	4,747,824	169.41	8
Hager Mariam	86,116	11,209	32,842	0.38	17,931,488	187.08	6
Yabelo	10,081	4,323	9,524	0.94	6,385,508	301.92	6
Arero	3,331	1,135	2,270	0.68	1,526,588	323.94	5
Liben	14,844	8,355	19,662	1.32	11,724,486	241.61	6
Moyale	10,736	5,481	12,106	1.13	8,642,376	317.19	7
Dire	13,719	7,742	17,925	1.31	13,161,239	299.09	6
Teltele	7,361	4,705	9,889	1.34	5,283,309	253.10	6
Gelana Abaya	27,229	4,774	10,096	0.37	4,476,166	208.60	5

TABLE 8.29A:- Number of Holders Reporting Horse (For threshing/ transportation) Owned, Quantity Reported, Replacement Value and Average age of Horse, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Horses Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Horse (Birr)	Average Age of Horse (Years)
Oromia Region	3,981,704	369,961	508,863	0.13	190,677,389	274.53	8
West Welega Zone	313,923	3,712	4,484	0.01	2,068,150	381.25	8
Mana Sibu	27,022	*	*	-	*	*	*
Nejo	17,916	-	-	-	-	-	-
Gimbi	17,096	*	*	-	*	*	*
Lalo Asabi	10,906	*	*	-	*	*	*
Boji	15,188	-	-	-	-	-	-
Ayra Guliso	16,371	105	128	0.01	*	*	*
Jarso	16,190	-	-	-	-	-	-
Gidami	13,636	*	*	-	*	*	*
Jimma Horo	6,869	34	43	0.01	16,609	324.85	*
Hawa Welel	17,315	919	*	-	604,949	*	*
Gawo Dale	23,820	*	*	-	*	*	*
Dale Sadi	11,117	*	*	-	*	*	*
Yubdo	5,640	63	69	0.01	23,349	301.17	*
Ganji	9,611	54	54	0.01	22,355	413.98	7
Haru	11,508	*	*	-	*	*	*
Nole Kaba	23,388	692	864	0.04	265,128	256.19	8
Lalo Kilie	7,900	39	39	0.00	18,242	467.73	*
Sayo	19,844	933	1,184	0.06	547,954	356.72	8
Anfilo	11,848	562	666	0.06	317,175	400.10	7
Begi	30,734	*	*	-	*	*	*
East Welega Zone	260,893	11,283	16,913	0.06	5,551,392	224.74	9
Limu	20,690	-	-	-	-	-	-
Ibantu	5,087	*	*	-	*	*	*
Gida Kiremu	22,168	-	-	-	-	-	-
Jarte	7,363	163	212	0.03	77,099	298.79	8
Amuru	7,739	*	*	-	*	*	*
Abe Dongoro	9,470	206	342	0.04	110,411	215.00	9
Jimma Horo	24,023	6,229	10,557	0.44	3,373,413	191.31	9
Abay Chomen	4,715	56	*	-	42,189	*	8
Guduru	21,520	605	750	0.03	283,173	315.57	7
Jimma Rare	7,738	1,243	1,558	0.20	506,450	264.21	8
Bila Seyo	13,470	705	888	0.07	314,596	278.24	8
Sibu Sire	15,203	*	*	-	*	*	*
Guto Wayu	28,487	*	*	-	*	*	*
Sasiga	11,346	*	*	-	*	*	*
Leka Dulecha	10,555	345	370	0.04	159,592	411.86	9
Diga	11,868	*	*	-	*	*	*
Jimma Arjo	13,333	353	416	0.03	170,365	334.58	10
Nunu Kumba	10,438	-	-	-	-	-	-
Wama Bonaya	15,680	*	*	-	*	*	*
Illibabor Zone	195,287	15,626	19,487	0.10	6,450,998	269.78	8
Darimu	22,324	350	440	0.02	115,114	209.79	6
Supena Sodo	13,139	1,633	2,194	0.17	641,037	222.62	7
Chora	19,554	2,098	2,356	0.12	770,038	289.58	8
Dega	10,191	1,119	1,487	0.15	436,877	222.21	8
Bedele	20,513	343	375	0.02	115,693	287.03	7
Gechi	10,893	1,041	1,606	0.15	499,025	198.59	7
Borecha Wereda	9,030	477	568	0.06	207,979	318.18	7
Dedesa	14,033	419	550	0.04	172,391	242.60	17
yayu	19,201	1,815	2,112	0.11	760,655	310.81	8
Metu	22,651	1,861	2,193	0.10	704,283	273.46	9

TABLE 8.29A:- Number of Holders Reporting Horse (For threshing/ transportation) Owned, Quantity Reported, Replacement Value and Average age of Horse, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Horses Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Horse (Birr)	Average Age of Horse (Years)
Illibabor Zone	17,356	3,343	4,306	0.25	1,434,227	267.38	7
Ale	11,992	447	501	0.04	180,220	322.09	8
Bure	4,411	681	798	0.18	413,458	443.85	8
Nono	443,315	37,821	44,232	0.10	15,424,762	297.33	9
Jimma Zone	29,245	*	*	-	*	*	*
Limu Seka	45,921	876	876	0.02	330,980	377.83	7
Limu Kosa	25,586	202	202	0.01	65,266	323.10	7
Sokoru	24,135	2,402	2,678	0.11	932,987	309.27	8
Tiro Afeta	29,474	1,990	2,192	0.07	749,353	304.95	11
Kersa	27,816	1,058	1,144	0.04	400,620	341.12	6
Mana	49,523	2,211	2,527	0.05	926,206	325.36	8
Goma	20,803	3,382	4,422	0.21	1,672,268	293.37	9
Gera	56,422	6,611	7,536	0.13	2,418,149	284.08	9
Seka chekorsa	54,035	7,499	8,258	0.15	2,561,623	279.69	8
Dedo	45,972	5,939	6,821	0.15	2,269,481	286.20	10
Omonada	16,132	2,499	2,935	0.18	1,235,850	360.89	6
Sigmo	18,249	3,033	4,522	0.25	1,829,916	277.50	9
Setema	502,591	72,601	101,739	0.20	38,218,628	274.54	9
West Shewa Zone	33,630	4,407	6,513	0.19	2,586,406	280.19	10
Ginde Beret	33,701	7,598	12,295	0.36	4,568,491	232.06	10
Jeldu	40,122	8,734	12,827	0.32	4,444,886	231.77	7
Ambo	37,011	4,124	5,994	0.16	2,080,892	248.87	8
Cheliya	19,389	904	1,001	0.05	371,912	358.52	8
Bako Tibe	15,544	935	1,195	0.08	376,561	255.31	9
Dano	23,140	4,366	6,070	0.26	1,952,521	234.16	7
Nono	12,596	5,943	8,070	0.64	2,519,858	233.33	9
Tikur	21,943	1,556	1,658	0.08	612,658	345.58	9
Amaya	17,405	2,481	2,616	0.15	1,019,836	371.72	7
Wonchi	37,106	9,663	15,828	0.43	5,939,359	228.36	10
Dendi	15,219	3,290	5,046	0.33	1,931,965	264.48	9
Ejerie	19,302	3,035	4,529	0.23	1,695,018	262.98	11
Adda Berga	17,073	2,582	3,372	0.20	1,481,411	343.46	9
Walmara	20,607	643	784	0.04	448,190	513.61	6
Alem Gana	22,051	2,485	2,917	0.13	1,206,875	353.27	8
Kersana Kondaltiti	10,401	1,150	1,282	0.12	706,985	522.76	7
Tole	10,354	699	712	0.07	436,848	605.81	8
Elu	13,068	1,120	1,231	0.09	673,117	506.15	9
Dawo	35,633	1,466	1,466	0.04	526,976	359.46	*
Walisona Goro	11,294	395	422	0.04	263,244	608.95	7
Becho	12,362	2,969	3,130	0.25	1,251,232	382.13	9
Kokir	23,639	2,057	2,779	0.12	1,123,389	301.95	11
Meta Robi	237,011	19,832	24,871	0.10	10,485,389	339.57	10
North Shewa(Oromia) Zone	25,009	*	*	-	*	*	*
Wara Jarso	35,035	*	*	-	*	*	*
Dera	15,884	352	376	0.02	226,913	581.07	13
Hidabu Abote	20,090	472	498	0.02	291,823	576.71	11
Kuyu	17,936	434	502	0.03	240,148	416.52	8
Degem	13,163	617	666	0.05	315,450	453.44	11
Gerar Jarso	16,566	1,152	1,247	0.08	493,449	377.56	9
Yaya Gulelena Debre Libano	22,017	4,028	6,092	0.28	2,220,121	235.44	8
Wuchalena Jido	11,868	2,851	3,472	0.29	1,180,122	279.79	11
Abichuna Gna'a	10,860	2,170	2,763	0.25	1,099,730	289.45	9
Kembibit	24,774	4,021	4,756	0.19	2,423,973	440.41	10
Berehna Aleltu	23,810	3,458	4,161	0.17	1,865,724	373.18	10
Mulona Sululta							

TABLE 8.29A:- Number of Holders Reporting Horse (For threshing/ transportation) Owned, Quantity Reported, Replacement Value and Average age of Horse, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Horses Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Horse (Birr)	Average Age of Horse (Years)
East Shewa Zone	314,966	10,799	14,329	0.05	6,721,526	363.92	8
Fentale	6,677	*	*	-	*	*	*
Boset	24,837	261	261	0.01	172,252	659.97	10
Adama	26,906	410	462	0.02	259,847	512.12	8
Lome	14,564	*	*	-	*	*	*
Gimbichu	15,569	910	962	0.06	519,243	516.35	8
Ada'a Liben Chukala	40,176	1,157	1,271	0.03	759,945	553.98	6
Dugda Bora	28,844	292	506	0.02	178,458	215.51	8
Adami Tullu Jido Kombolcha	23,794	631	760	0.03	287,782	315.39	6
Arsi Negele	26,584	2,489	3,248	0.12	1,384,707	328.02	9
Shashemene	46,108	3,339	5,472	0.12	2,527,009	290.17	8
Seraro	48,209	859	910	0.02	322,282	344.18	8
Akaki	12,696	409	435	0.03	285,342	609.58	6
Arsi Zone	493,007	112,222	160,639	0.33	61,237,221	264.34	8
Merti	22,750	4,701	5,623	0.25	1,952,739	295.50	10
Aseko	14,396	2,477	3,220	0.22	1,184,066	285.08	10
Gololcha	29,178	665	665	0.02	296,162	445.36	11
Jeju	22,217	3,677	4,468	0.20	1,769,293	325.01	10
Dodotana Sire	22,887	1,398	1,650	0.07	671,719	344.08	9
Zeway Dugda	21,200	565	621	0.03	339,313	505.88	11
Hitosa	39,229	3,605	4,056	0.10	1,881,120	417.02	10
Sude	25,501	4,998	5,586	0.22	2,133,582	341.23	8
Chole	15,918	4,396	6,134	0.39	2,490,518	259.57	9
Amigna	11,176	1,439	1,542	0.14	683,166	428.48	9
Seru	18,205	2,130	2,325	0.13	1,062,135	418.36	10
Robe	27,062	1,931	1,993	0.07	772,912	379.99	8
Tena	20,684	4,373	5,746	0.28	2,187,779	294.15	8
Sherka	26,405	5,410	6,875	0.26	2,431,470	265.85	5
Digeluna Tijo	22,181	9,583	13,015	0.59	4,697,969	263.17	9
Tiyo	15,978	3,865	5,335	0.33	2,004,728	272.68	9
Munesa	35,171	11,616	17,194	0.49	6,784,498	263.46	10
Bekoji	35,995	11,512	19,128	0.53	6,572,459	201.67	5
Gedeb	24,847	10,735	15,974	0.64	5,882,289	245.53	6
Kofele	42,028	23,145	39,489	0.94	15,439,303	227.02	5
West Harerge Zone	291,356	656	656	0.00	347,330	529.47	9
Mieso	16,400	-	-	-	-	-	-
Doba	22,768	-	-	-	-	-	-
Tulo	24,329	*	*	-	*	*	*
Mesela	25,840	*	*	-	*	*	*
Chiro	62,368	*	*	-	*	*	*
Goba Koricha	20,014	*	*	-	*	*	*
Anchar	13,430	138	138	0.01	67,056	485.91	6
Habro	30,386	-	-	-	-	-	-
Darolebu	26,978	-	-	-	-	-	-
Boke	22,144	*	*	-	*	*	*
Kuni	26,701	*	*	-	*	*	*
East Harerge Zone	387,193	2,907	3,025	0.01	980,557	314.77	7
Kombolcha	20,710	-	-	-	-	-	-
Jarso	17,052	-	-	-	-	-	-
Gursum	25,567	-	-	-	-	-	-
Babile	10,237	-	-	-	-	-	-
Fedis	24,565	-	-	-	-	-	-
Haro Maya	31,404	-	-	-	-	-	-
Kurfa Chele	7,122	40	58	0.01	31,104	334.37	12
Kersa	27,745	*	*	-	*	*	*

TABLE 8.29A:- Number of Holders Reporting Horse (For threshing/ transportation) Owned, Quantity Reported, Replacement Value and Average age of Horse, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Horses Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Horse (Birr)	Average Age of Horse (Years)
East Harerge Zone							
Meta	43,775	385	442	0.01	118,603	*	*
Goro Gutu	25,718	*	*	-	*	*	*
Deder	38,265	1,345	1,345	0.04	396,409	294.73	7
Malka Balo	24,930	485	528	0.02	*	*	*
Bedeno	43,356	-	-	-	-	-	-
Girawa	38,886	*	*	-	*	*	*
Gola Oda	7,861	-	-	-	-	-	-
Bale Zone	259,058	37,265	53,954	0.21	19,837,173	257.41	6
Kokosa	23,375	5,674	7,500	0.32	2,840,539	276.39	7
Dodola	23,650	9,807	14,650	0.62	4,833,774	226.77	5
Adaba	19,856	4,636	6,960	0.35	2,253,206	215.33	6
Agarfa	13,146	1,715	2,128	0.16	894,505	344.75	5
Gasera	12,088	1,215	1,229	0.10	714,671	575.80	5
Gololcha	14,914	232	*	-	144,093	*	6
Legehida	8,094	*	*	-	*	*	*
Ginir	21,653	*	*	-	*	*	*
Sinanana Dinsho	24,988	5,229	8,289	0.33	3,060,034	239.14	5
Goba	7,183	3,511	5,614	0.78	2,215,939	242.14	5
Mennana Arena Buluk	19,198	732	784	0.04	329,353	388.13	4
Nensebo	14,169	3,855	5,892	0.42	2,152,704	240.98	7
Meda Welabu	12,557	*	*	-	*	*	*
Berbere	10,213	106	106	0.01	*	568.10	*
Guradamole	4,160	146	146	0.04	74,675	511.47	4
Goro	15,934	214	214	0.01	*	478.47	8
Raytu	6,168	*	*	-	*	*	*
Seweyna	7,711	*	*	-	*	*	*
Borena Zone	283,104	45,239	64,535	0.23	23,354,265	256.25	9
Uraga	42,623	19,794	27,791	0.65	9,814,255	252.74	9
Bore	30,433	12,710	21,767	0.72	7,917,112	219.52	7
Adolana Wadera	22,616	*	*	-	*	*	*
Odo Shakiso	14,015	902	1,039	0.07	536,243	442.92	14
Hager Mariam	86,116	11,193	13,117	0.15	4,754,995	304.88	8
Yabelo	10,081	*	*	-	*	*	*
Arero	3,331	*	*	-	*	*	*
Liben	14,844	-	-	-	-	-	-
Moyale	10,736	-	-	-	-	-	-
Dire	13,719	*	*	-	*	*	*
Teltele	7,361	-	-	-	-	-	-
Gelana Abaya	27,229	202	242	0.01	96,719	*	8

TABLE 8.30A:- Number of Holders Reporting Mule (For threshing/ transportation) Owned, Quantity Reported, Replacement Value and Average age of Mule, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Mules Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Mule (Birr)	Average Age of Mule (Years)
Oromia Region	3,981,704	88,925	92,025	0.02	80,021,173	843.52	10
West Welega Zone	313,923	6,928	7,142	0.02	5,633,801	760.54	8
Mana Sibu	27,022	385	385	0.01	358,104	930.14	7
Nejo	17,916	177	177	0.01	147,809	835.08	9
Gimbi	17,096	*	*	-	*	*	*
Lalo Asabi	10,906	76	76	0.01	81,569	1,073.28	8
Boji	15,188	237	258	0.02	227,928	803.13	9
Ayra Guliso	16,371	171	171	0.01	*	*	5
Jarso	16,190	290	290	0.02	208,993	720.67	7
Gidami	13,636	733	763	0.06	570,946	719.06	7
Jimma Horo	6,869	357	357	0.05	313,788	878.96	10
Hawa Welel	17,315	742	761	0.04	552,920	703.07	8
Gawo Dale	23,820	597	597	0.03	433,978	726.93	7
Dale Sadi	11,117	163	163	0.01	126,820	778.04	6
Yubdo	5,640	46	46	0.01	46,895	1,019.46	8
Ganji	9,611	193	193	0.02	183,664	951.63	13
Haru	11,508	72	72	0.01	60,335	837.98	*
Nole Kaba	23,388	419	452	0.02	378,867	781.84	11
Lalo Kilie	7,900	*	*	-	*	*	*
Sayo	19,844	716	740	0.04	483,936	603.61	7
Anfilo	11,848	734	821	0.07	652,819	699.65	7
Begi	30,734	669	669	0.02	524,218	783.58	8
East Welega Zone	260,893	6,066	6,252	0.02	4,713,023	733.69	10
Limu	20,690	533	533	0.03	377,542	708.33	6
Ibantu	5,087	103	103	0.02	71,698	696.10	7
Gida Kiremu	22,168	330	330	0.01	219,320	664.61	*
Jarte	7,363	410	410	0.06	312,594	762.42	8
Amuru	7,739	144	144	0.02	104,383	724.88	8
Abe Dongoro	9,470	110	110	0.01	92,804	843.67	9
Jimma Horo	24,023	921	953	0.04	722,144	721.11	11
Abay Chomen	4,715	80	80	0.02	*	*	11
Guduru	21,520	634	634	0.03	520,709	821.31	8
Jimma Rare	7,738	84	116	0.01	87,658	577.83	13
Bila Seyo	13,470	590	661	0.05	480,867	639.55	10
Sibu Sire	15,203	281	281	0.02	211,902	754.10	11
Guto Wayu	28,487	389	428	0.02	303,437	696.74	*
Sasiga	11,346	*	*	-	*	*	*
Leka Dulecha	10,555	93	93	0.01	73,201	787.11	11
Diga	11,868	*	*	-	*	*	*
Jimma Arjo	13,333	90	90	0.01	*	*	*
Nunu Kumba	10,438	352	352	0.03	334,839	951.25	18
Wama Bonaya	15,680	868	868	0.06	515,606	594.02	6
Illibabor Zone	195,287	4,795	5,121	0.03	3,859,059	706.18	11
Darimu	22,324	126	126	0.01	*	*	*
Supena Sodo	13,139	432	479	0.04	328,697	618.13	12
Chora	19,554	671	671	0.03	462,166	688.77	8
Dega	10,191	517	603	0.06	418,093	613.00	11
Bedele	20,513	589	616	0.03	532,241	836.37	10
Gechi	10,893	330	343	0.03	228,959	642.06	6
Borecha Wereda	9,030	293	304	0.03	225,754	711.02	10
Dedesa	14,033	757	846	0.06	701,299	740.71	15
yayu	19,201	522	576	0.03	496,369	772.14	9
Metu	22,651	312	312	0.01	224,252	718.75	13

TABLE 8.30A:- Number of Holders Reporting Mule (For threshing/ transportation) Owned, Quantity Reported, Replacement Value and Average age of Mule, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Mules Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Mule (Birr)	Average Age of Mule (Years)
Illibabor Zone	17,356	*	*	-	79,153	*	*
Ale	11,992	*	*	-	*	*	*
Bure	4,411	43	43	0.01	34,256	796.64	5
Nono	443,315	21,831	22,398	0.05	17,281,269	754.18	11
Jimma Zone	29,245	1,049	1,049	0.04	873,496	832.69	8
Limu Seka	45,921	2,530	2,530	0.06	2,098,618	829.49	11
Limu Kosa	25,586	531	531	0.02	353,611	665.93	9
Sokoru	24,135	1,742	1,807	0.07	1,412,211	761.20	10
Tiro Afeta	29,474	2,397	2,437	0.08	2,044,645	818.53	14
Kersa	27,816	1,200	1,236	0.04	990,393	801.29	9
Mana	49,523	1,887	1,887	0.04	1,647,728	873.20	10
Goma	20,803	719	737	0.04	587,034	778.06	14
Gera	56,422	1,375	1,442	0.03	1,025,986	692.70	10
Seka chekorsa	54,035	2,622	2,622	0.05	1,710,683	652.43	14
Dedo	45,972	4,812	4,979	0.11	3,699,646	720.98	10
Omonada	16,132	208	208	0.01	134,673	647.47	8
Sigmo	18,249	761	934	0.05	702,547	589.52	10
Setema	502,591	8,842	8,997	0.02	9,091,284	983.02	12
West Shewa Zone	33,630	470	470	0.01	485,839	1,033.70	12
Ginde Beret	33,701	225	225	0.01	212,727	945.45	10
Jeldu	40,122	*	*	-	*	*	*
Ambo	37,011	1,408	1,493	0.04	1,351,830	837.27	11
Cheliya	19,389	298	322	0.02	257,322	720.71	13
Bako Tibe	15,544	591	591	0.04	431,217	729.64	12
Dano	23,140	482	482	0.02	385,779	800.37	13
Nono	12,596	*	*	-	*	*	*
Tikur	21,943	653	653	0.03	523,576	801.80	11
Amaya	17,405	343	343	0.02	*	*	*
Wonchi	37,106	*	*	-	*	*	*
Dendi	15,219	165	165	0.01	140,960	854.31	10
Ejerie	19,302	254	254	0.01	281,279	1,107.40	13
Adda Berga	17,073	*	*	-	*	*	*
Walmara	20,607	425	425	0.02	491,477	1,156.42	10
Alem Gana	22,051	1,091	1,091	0.05	1,153,169	1,056.98	12
Kersana Kondaltiti	10,401	1,020	1,020	0.10	1,311,562	1,285.85	11
Tole	10,354	104	104	0.01	205,696	1,977.85	19
Elu	13,068	318	318	0.02	338,488	1,064.43	14
Dawo	35,633	223	269	0.01	*	*	*
Walisona Goro	11,294	164	164	0.01	234,182	1,427.94	11
Becho	12,362	*	*	-	*	*	*
Kokir	23,639	171	171	0.01	*	*	16
Meta Robi	237,011	1,917	2,016	0.01	1,889,859	912.83	12
North Shewa(Oromia) Zone	25,009	*	*	-	*	*	*
Wara Jarso	35,035	444	444	0.01	381,872	860.07	*
Dera	15,884	171	171	0.01	170,555	997.40	12
Hidabu Abote	20,090	-	-	-	-	-	-
Kuyu	17,936	*	*	-	*	*	*
Degem	13,163	*	*	-	*	*	*
Gerar Jarso	16,566	219	219	0.01	201,180	918.63	14
Yaya Gulelena Debre Libano	22,017	315	343	0.02	345,882	959.98	8
Wuchalena Jido	11,868	*	*	-	*	*	*
Abichuna Gna'a	10,860	77	77	0.01	59,216	769.04	11
Kembibit	24,774	243	277	0.01	282,608	983.90	12
Berehna Aleltu	23,810	*	*	-	*	*	*
Mulona Sululta							

TABLE 8.30A:- Number of Holders Reporting Mule (For threshing/ transportation) Owned, Quantity Reported, Replacement Value and Average age of Mule, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Mules Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Mule (Birr)	Average Age of Mule (Years)
East Shewa Zone	314,966	4,490	4,562	0.01	5,654,615	1,196.99	11
Fentale	6,677	-	-	-	-	-	-
Boset	24,837	*	*	-	*	*	*
Adama	26,906	439	439	0.02	544,703	1,240.78	8
Lome	14,564	288	288	0.02	421,255	1,462.69	13
Gimbichu	15,569	276	276	0.02	411,572	1,491.20	12
Ada'a Liben Chukala	40,176	1,537	1,537	0.04	2,197,024	1,382.29	13
Dugda Bora	28,844	238	238	0.01	205,748	745.60	11
Adami Tullu Jido Kombolcha	23,794	*	*	-	*	*	*
Arsi Negele	26,584	*	*	-	*	*	*
Shashemene	46,108	*	*	-	*	*	*
Seraro	48,209	*	*	-	*	*	*
Akaki	12,696	644	673	0.05	796,386	1,099.77	7
Arsi Zone	493,007	14,579	15,235	0.03	13,951,154	884.32	10
Merti	22,750	1,217	1,363	0.06	1,194,308	820.37	13
Aseko	14,396	1,029	1,160	0.08	1,028,361	825.58	12
Gololcha	29,178	2,536	2,732	0.09	2,859,225	975.40	13
Jeju	22,217	436	436	0.02	359,686	824.97	9
Dodotana Sire	22,887	*	*	-	*	*	*
Zeway Dugda	21,200	410	410	0.02	408,769	997.00	13
Hitosa	39,229	*	*	-	*	*	*
Sude	25,501	1,120	1,120	0.04	1,032,799	941.15	11
Chole	15,918	1,693	1,851	0.12	1,702,433	830.08	11
Amigna	11,176	442	442	0.04	465,317	1,052.75	9
Seru	18,205	398	398	0.02	416,871	1,047.41	11
Robe	27,062	376	376	0.01	318,334	846.63	13
Tena	20,684	319	319	0.02	329,306	1,114.61	15
Sherka	26,405	1,901	1,901	0.07	1,605,314	844.46	5
Digeluna Tijo	22,181	242	269	0.01	193,828	650.63	11
Tiyo	15,978	*	*	-	*	*	*
Munesa	35,171	599	599	0.02	376,139	627.94	10
Bekoji	35,995	692	692	0.02	610,905	882.81	*
Gedeb	24,847	308	308	0.01	251,804	817.55	8
Kofele	42,028	449	449	0.01	373,755	832.42	*
West Harerge Zone	291,356	1,559	1,658	0.01	1,775,281	1,020.16	11
Mieso	16,400	*	*	-	*	*	*
Doba	22,768	*	*	-	*	*	*
Tulo	24,329	-	-	-	-	-	-
Mesela	25,840	*	*	-	*	*	*
Chiro	62,368	*	*	-	*	*	*
Goba Koricha	20,014	316	316	0.02	348,592	1,103.14	12
Anchar	13,430	186	186	0.01	192,882	1,037.00	7
Habro	30,386	*	*	-	*	*	*
Darolebu	26,978	269	269	0.01	*	*	13
Boke	22,144	*	*	-	*	*	*
Kuni	26,701	*	*	-	*	*	*
East Harerge Zone	387,193	656	708	0.00	561,776	735.03	10
Kombolcha	20,710	*	*	-	*	*	*
Jarso	17,052	*	*	-	*	*	*
Gursum	25,567	-	-	-	-	-	-
Babile	10,237	-	-	-	-	-	-
Fedis	24,565	-	-	-	-	-	-
Haro Maya	31,404	-	-	-	-	-	-
Kurfa Chele	7,122	-	-	-	-	-	-
Kersa	27,745	*	*	-	*	*	*

TABLE 8.30A:- Number of Holders Reporting Mule (For threshing/ transportation) Owned, Quantity Reported, Replacement Value and Average age of Mule, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Mules Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Mule (Birr)	Average Age of Mule (Years)
East Harerge Zone							
Meta	43,775	*	*	-	*	*	*
Goro Gutu	25,718	*	*	-	*	*	*
Deder	38,265	339	390	0.01	*	*	9
Malka Balo	24,930	*	*	-	*	*	*
Bedeno	43,356	-	-	-	-	-	-
Girawa	38,886	-	-	-	-	-	-
Gola Oda	7,861	-	-	-	-	-	-
Bale Zone	259,058	9,964	10,285	0.04	9,027,297	878.20	6
Kokosa	23,375	*	*	-	*	*	*
Dodola	23,650	158	158	0.01	*	*	*
Adaba	19,856	*	*	-	*	*	*
Agarfa	13,146	815	815	0.06	657,143	806.31	6
Gasera	12,088	588	621	0.05	477,611	738.07	5
Gololcha	14,914	394	394	0.03	363,034	921.41	9
Legehida	8,094	236	249	0.03	233,253	898.90	7
Ginir	21,653	529	542	0.03	*	*	6
Sinanana Dinsho	24,988	1,655	1,655	0.07	1,373,032	829.63	5
Goba	7,183	678	849	0.12	620,364	596.57	6
Mennana Arena Buluk	19,198	592	592	0.03	525,968	888.46	5
Nensebo	14,169	288	288	0.02	238,888	829.47	6
Meda Welabu	12,557	216	249	0.02	217,707	837.02	6
Berbere	10,213	1,286	1,344	0.13	1,096,365	794.46	7
Guradamole	4,160	295	295	0.07	282,772	958.55	6
Goro	15,934	1,841	1,841	0.12	1,723,760	1,042.84	5
Raytu	6,168	*	*	-	*	*	*
Seweyna	7,711	65	65	0.01	54,795	842.99	7
Borena Zone	283,104	7,299	7,651	0.03	6,582,756	815.04	13
Uraga	42,623	1,762	1,825	0.04	1,403,456	741.25	13
Bore	30,433	573	630	0.02	501,267	766.04	12
Adolana Wadera	22,616	701	760	0.03	798,756	891.54	11
Odo Shakiso	14,015	903	1,025	0.07	990,087	860.77	19
Hager Mariam	86,116	2,223	2,223	0.03	1,790,869	805.61	12
Yabelo	10,081	*	*	-	*	*	*
Arero	3,331	126	126	0.04	128,941	1,023.34	16
Liben	14,844	90	*	-	*	*	*
Moyale	10,736	*	*	-	*	*	*
Dire	13,719	292	306	0.02	257,473	806.57	12
Teltele	7,361	*	*	-	*	*	*
Gelana Abaya	27,229	441	441	0.02	394,879	895.42	8

TABLE 8.31A:- Number of Holders Reporting 'Debignit' Owned, Quantity Reported, Replacement Value and Storage Capacity of 'Debignit', for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Debignits' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Debignit' (Birr)	Average Storage Capacity of 'Debignit' (Quintal)
Oromia Region	3,981,704	962,633	1,898,703	0.48	13,276,313	3.63	3
West Welega Zone	313,923	42,220	61,465	0.20	485,360	5.53	4
Mana Sibu	27,022	4,832	6,837	0.25	56,518	6.10	4
Nejo	17,916	10,001	15,015	0.84	106,408	4.65	3
Gimbi	17,096	2,997	3,991	0.23	33,322	6.61	3
Lalo Asabi	10,906	1,462	1,906	0.17	16,713	7.00	6
Boji	15,188	5,188	8,465	0.56	60,288	4.35	3
Ayra Guliso	16,371	215	299	0.02	2,644	6.03	3
Jarso	16,190	8,411	12,948	0.80	82,173	4.07	4
Gidami	13,636	*	309	0.02	*	*	*
Jimma Horo	6,869	197	334	0.05	1,695	2.89	2
Hawa Welel	17,315	*	*	-	*	*	*
Gawo Dale	23,820	1,115	1,587	0.07	9,115	4.23	5
Dale Sadi	11,117	110	*	-	993	*	2
Yubdo	5,640	736	922	0.16	15,546	13.27	9
Ganji	9,611	1,047	1,300	0.14	18,808	11.78	9
Haru	11,508	1,812	2,344	0.20	25,645	8.44	4
Nole Kaba	23,388	2,034	2,422	0.10	17,711	6.27	3
Lalo Kilie	7,900	*	*	-	*	*	*
Sayo	19,844	*	*	-	*	*	*
Anfilo	11,848	146	*	-	*	*	*
Begi	30,734	1,050	1,528	0.05	19,192	8.87	4
East Welega Zone	260,893	128,321	233,833	0.90	2,134,365	4.86	4
Limu	20,690	9,767	14,519	0.70	91,530	4.25	3
Ibantu	5,087	4,160	7,454	1.47	51,063	3.91	3
Gida Kiremu	22,168	11,369	23,856	1.08	160,768	3.22	3
Jarte	7,363	4,683	9,906	1.35	99,855	4.56	4
Amuru	7,739	5,584	10,735	1.39	71,483	3.41	3
Abe Dongoro	9,470	3,447	6,824	0.72	36,288	2.68	*
Jimma Horo	24,023	14,220	30,259	1.26	393,281	6.03	6
Abay Chomen	4,715	4,117	9,471	2.01	153,992	6.92	6
Guduru	21,520	14,538	27,998	1.30	319,021	6.33	5
Jimma Rare	7,738	4,983	8,026	1.04	77,914	5.89	4
Bila Seyo	13,470	6,779	9,972	0.74	90,332	6.03	5
Sibu Sire	15,203	7,582	13,302	0.87	133,646	5.08	4
Guto Wayu	28,487	9,116	13,153	0.46	98,100	5.05	3
Sasiga	11,346	2,104	2,836	0.25	20,099	5.44	3
Leka Dulecha	10,555	6,848	11,123	1.05	104,279	5.31	4
Diga	11,868	5,619	9,218	0.78	79,727	5.07	4
Jimma Arjo	13,333	9,245	18,919	1.42	110,585	2.83	4
Nunu Kumba	10,438	3,578	5,589	0.54	39,103	4.37	3
Wama Bonaya	15,680	582	674	0.04	3,299	3.97	6
Illibabor Zone	195,287	10,978	16,300	0.08	100,860	4.04	3
Darimu	22,324	*	*	-	*	*	*
Supena Sodo	13,139	523	759	0.06	3,189	2.90	2
Chora	19,554	1,091	1,448	0.07	7,162	3.34	2
Dega	10,191	3,603	5,286	0.52	38,997	4.52	2
Bedele	20,513	3,683	5,472	0.27	34,657	4.49	3
Gechi	10,893	102	134	0.01	574	3.35	3
Borecha Wereda	9,030	373	630	0.07	1,229	1.14	2
Dedesa	14,033	*	*	-	*	*	*
yayu	19,201	*	*	-	*	*	*
Metu	22,651	*	*	-	*	*	*

TABLE 8.31A:- Number of Holders Reporting 'Debignit' Owned, Quantity Reported, Replacement Value and Storage Capacity of 'Debignit', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Debignits' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Debignit' (Birr)	Average Storage Capacity of 'Debignit' (Quintal)
Illibabor Zone	17,356	*	*	-	*	*	*
Ale	11,992	*	*	-	*	*	*
Bure	4,411	304	429	0.10	1,350	2.24	3
Nono	443,315	16,725	27,956	0.06	187,778	4.20	4
Jimma Zone	29,245	395	718	0.02	2,310	*	*
Limu Seka	45,921	*	*	-	*	*	*
Limu Kosa	25,586	*	*	-	*	*	*
Sokoru	24,135	690	*	-	9,961	*	*
Tiro Afeta	29,474	*	*	-	*	*	*
Kersa	27,816	*	*	-	*	*	*
Mana	49,523	*	*	-	*	*	*
Goma	20,803	*	*	-	*	*	*
Gera	56,422	5,758	9,216	0.16	*	*	3
Seka chekorsa	54,035	*	*	-	*	*	*
Dedo	45,972	1,911	2,673	0.06	31,883	*	*
Omonada	16,132	*	*	-	*	*	*
Sigmo	18,249	1,655	2,501	0.14	15,000	3.96	4
Setema	502,591	203,523	383,490	0.76	3,772,523	4.93	4
West Shewa Zone	33,630	6,675	10,353	0.31	39,959	2.37	2
Ginde Beret	33,701	9,212	15,494	0.46	50,584	2.03	2
Jeldu	40,122	16,206	27,627	0.69	302,412	6.13	4
Ambo	37,011	12,338	17,985	0.49	139,951	5.42	3
Cheliya	19,389	9,471	14,826	0.76	143,733	6.03	5
Bako Tibe	15,544	2,531	3,545	0.23	12,249	2.62	2
Dano	23,140	3,543	5,606	0.24	30,479	3.53	*
Nono	12,596	222	323	0.03	3,278	5.82	2
Tikur	21,943	11,023	18,480	0.84	178,008	5.71	5
Amaya	17,405	8,730	17,109	0.98	219,595	6.43	3
Wonchi	37,106	18,391	36,697	0.99	292,691	3.80	3
Dendi	15,219	8,062	16,848	1.11	106,975	2.81	3
Ejerie	19,302	8,135	15,910	0.82	69,604	2.34	2
Adda Berga	17,073	7,699	15,952	0.93	102,968	3.09	3
Walmara	20,607	10,493	20,413	0.99	267,660	6.64	4
Alem Gana	22,051	6,591	11,074	0.50	118,619	6.09	5
Kersana Kondaltiti	10,401	8,893	20,096	1.93	339,649	6.89	5
Tole	10,354	8,519	19,866	1.92	337,459	7.01	6
Elu	13,068	9,250	19,081	1.46	235,457	5.71	4
Dawo	35,633	16,934	34,944	0.98	359,934	4.86	3
Walisona Goro	11,294	9,316	20,393	1.81	327,934	7.19	5
Becho	12,362	2,736	4,641	0.38	46,206	5.68	6
Kokir	23,639	8,551	16,228	0.69	47,119	1.52	3
Meta Robi	237,011	140,951	327,209	1.38	1,940,154	2.46	3
North Shewa(Oromia) Zone	25,009	16,212	33,758	1.35	290,936	4.04	3
Wara Jarso	35,035	20,049	43,982	1.26	150,802	1.54	2
Dera	15,884	6,756	12,392	0.78	66,440	2.83	2
Hidabu Abote	20,090	11,619	21,620	1.08	78,677	2.01	2
Kuyu	17,936	9,257	18,450	1.03	127,652	3.40	4
Degem	13,163	7,997	19,159	1.46	142,924	2.92	3
Gerar Jarso	16,566	11,003	27,230	1.64	240,436	2.95	4
Yaya Gulelena Debre Libano	22,017	16,047	43,549	1.98	223,851	1.87	2
Wuchalena Jido	11,868	9,024	23,586	1.99	74,045	1.18	2
Abichuna Gna'a	10,860	6,768	16,729	1.54	91,990	2.29	3
Kembibit	24,774	14,574	38,445	1.55	292,940	2.80	4
Berehna Aleltu	23,810	11,645	28,309	1.19	159,461	2.43	3
Mulona Sululta							

TABLE 8.31A:- Number of Holders Reporting 'Debignit' Owned, Quantity Reported, Replacement Value and Storage Capacity of 'Debignit', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Debignits' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Debignit' (Birr)	Average Storage Capacity of 'Debignit' (Quintal)
East Shewa Zone	314,966	41,116	74,804	0.24	578,943	4.69	3
Fentale	6,677	*	*	-	*	*	*
Boset	24,837	8,728	17,245	0.69	90,113	2.62	3
Adama	26,906	4,210	8,520	0.32	59,085	3.47	3
Lome	14,564	1,706	3,120	0.21	24,586	4.43	2
Gimbichu	15,569	1,905	3,322	0.21	22,823	3.96	3
Ada'a Liben Chukala	40,176	9,785	17,241	0.43	111,131	3.83	2
Dugda Bora	28,844	4,954	8,700	0.30	32,924	2.14	2
Adami Tullu Jido Kombolcha	23,794	1,979	4,554	0.19	22,545	2.27	*
Arsi Negele	26,584	*	*	-	2,357	*	*
Shashemene	46,108	2,380	3,353	0.07	*	*	*
Seraro	48,209	1,881	1,945	0.04	41,154	20.85	8
Akaki	12,696	3,199	6,153	0.48	74,653	6.16	4
Arsi Zone	493,007	213,387	521,088	1.06	2,441,885	1.96	2
Merti	22,750	7,686	13,770	0.61	76,157	3.05	1
Aseko	14,396	4,979	8,493	0.59	34,158	2.38	5
Gololcha	29,178	5,662	8,907	0.31	45,983	3.38	2
Jeju	22,217	7,452	16,461	0.74	100,286	3.31	3
Dodotana Sire	22,887	7,904	16,616	0.73	92,053	2.69	2
Zeway Dugda	21,200	7,782	16,456	0.78	129,207	3.68	3
Hitosa	39,229	14,356	35,147	0.90	280,219	3.03	2
Sude	25,501	15,673	36,478	1.43	206,217	2.47	2
Chole	15,918	5,633	10,607	0.67	46,932	2.27	2
Amigna	11,176	3,938	7,890	0.71	43,385	2.60	2
Seru	18,205	3,690	6,844	0.38	29,882	2.45	2
Robe	27,062	10,211	21,193	0.78	122,963	2.72	2
Tena	20,684	11,740	28,334	1.37	108,021	1.59	2
Sherka	26,405	11,049	26,712	1.01	117,050	1.76	2
Digeluna Tijo	22,181	15,773	47,164	2.13	185,718	1.32	2
Tiyo	15,978	7,678	19,180	1.20	110,463	2.30	2
Munesa	35,171	19,886	56,359	1.60	229,850	1.43	2
Bekoji	35,995	25,272	70,894	1.97	272,853	1.32	1
Gedeb	24,847	12,220	32,449	1.31	93,571	1.17	2
Kofele	42,028	14,804	41,132	0.98	116,916	1.08	1
West Harerge Zone	291,356	64,687	85,436	0.29	690,961	6.25	2
Mieso	16,400	3,598	5,156	0.31	60,239	9.45	2
Doba	22,768	10,070	13,427	0.59	95,304	5.46	2
Tulo	24,329	5,934	7,987	0.33	54,741	3.86	2
Mesela	25,840	4,660	5,713	0.22	65,537	8.10	3
Chiro	62,368	15,593	18,466	0.30	96,451	4.38	2
Goba Koricha	20,014	5,024	8,431	0.42	58,906	5.43	2
Anchar	13,430	2,381	3,825	0.28	19,523	3.28	2
Habro	30,386	2,318	2,887	0.10	46,563	15.03	4
Darolebu	26,978	2,211	2,991	0.11	31,305	8.08	2
Boke	22,144	6,458	8,801	0.40	94,124	7.91	3
Kuni	26,701	6,439	7,751	0.29	68,269	7.57	2
East Harerge Zone	387,193	59,931	85,754	0.22	534,605	4.63	3
Kombolcha	20,710	*	*	-	20,082	*	*
Jarso	17,052	472	655	0.04	*	10.61	*
Gursum	25,567	1,324	1,491	0.06	25,239	15.18	4
Babile	10,237	*	*	-	*	*	*
Fedis	24,565	7,760	11,316	0.46	95,215	5.73	3
Haro Maya	31,404	*	*	-	*	*	*
Kurfa Chele	7,122	1,258	1,566	0.22	12,563	6.88	2
Kersa	27,745	5,821	8,727	0.31	90,422	7.16	5

TABLE 8.31A:- Number of Holders Reporting 'Debignit' Owned, Quantity Reported, Replacement Value and Storage Capacity of 'Debignit', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Debignits' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Debignit' (Birr)	Average Storage Capacity of 'Debignit' (Quintal)
East Harerge Zone	43,775	12,336	18,091	0.41	73,550	2.88	4
Meta	25,718	7,746	10,061	0.39	61,213	4.86	3
Goro Gutu	38,265	4,545	6,578	0.17	35,480	3.76	2
Deder	24,930	3,482	4,015	0.16	27,499	6.30	2
Malka Balo	43,356	1,859	2,352	0.05	12,332	4.31	3
Bedeno	38,886	10,611	17,046	0.44	46,489	1.98	3
Girawa	7,861	603	861	0.11	5,343	4.59	*
Gola Oda	259,058	34,697	73,251	0.28	319,036	2.17	2
Bale Zone	23,375	*	*	-	*	*	*
Kokosa	23,650	3,811	7,807	0.33	33,818	2.24	3
Dodola	19,856	9,999	24,879	1.25	97,927	1.59	2
Adaba	13,146	3,658	7,156	0.54	30,118	2.11	1
Agarfa	12,088	2,314	4,681	0.39	19,411	2.06	2
Gasera	14,914	3,052	6,491	0.44	30,201	2.15	3
Gololcha	8,094	256	514	0.06	10,196	9.69	3
Legehida	21,653	2,588	4,993	0.23	22,767	2.31	1
Ginir	24,988	4,735	9,477	0.38	26,491	1.46	2
Sinanana Dinsho	7,183	724	1,221	0.17	10,089	5.40	3
Goba	19,198	*	*	-	*	*	*
Mennana Arena Buluk	14,169	337	426	0.03	*	5.56	2
Nensebo	12,557	*	*	-	*	*	*
Meda Welabu	10,213	*	*	-	*	*	*
Berbere	4,160	57	57	0.01	1,908	33.48	1
Guradamole	15,934	1,663	3,232	0.20	17,214	2.82	2
Goro	6,168	*	*	-	*	*	*
Raytu	7,711	*	*	-	*	*	*
Seweyna	283,104	*	*	-	89,843	*	*
Borena Zone	42,623	-	-	-	-	-	-
Uraga	30,433	*	*	-	*	*	*
Bore	22,616	*	*	-	*	*	*
Adolana Wadera	14,015	18	18	0.00	3,520	195.56	20
Odo Shakiso	86,116	*	*	-	*	*	*
Hager Mariam	10,081	-	-	-	-	-	-
Yabelo	3,331	-	-	-	-	-	-
Arero	14,844	-	-	-	-	-	-
Liben	10,736	-	-	-	-	-	-
Moyale	13,719	-	-	-	-	-	-
Dire	7,361	892	1,161	0.16	22,439	15.62	4
Teltele	27,229	-	-	-	-	-	-
Gelana Abaya							

TABLE 8.32A:- Number of Holders Reporting 'Gottera' Owned, Quantity Reported, Replacement Value and Storage Capacity of 'Gottera', for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Gotteras' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Gottera' (Birr)	Average Storage Capacity of 'Gottera' (Quintal)
Oromia Region	3,981,704	1,947,637	3,198,187	0.80	66,981,781	13.16	11
West Welega Zone	313,923	158,386	248,479	0.79	4,235,499	10.65	10
Mana Sibu	27,022	6,908	9,273	0.34	130,983	11.49	10
Nejo	17,916	836	1,166	0.07	*	*	3
Gimbi	17,096	2,461	3,050	0.18	37,937	10.53	5
Lalo Asabi	10,906	1,120	1,236	0.11	16,552	11.77	7
Boji	15,188	1,207	1,490	0.10	18,598	10.68	10
Ayra Guliso	16,371	5,882	7,684	0.47	217,146	16.63	11
Jarso	16,190	7,296	10,932	0.68	124,989	7.46	11
Gidami	13,636	9,435	14,047	1.03	199,811	9.60	9
Jimma Horo	6,869	6,352	11,324	1.65	197,121	9.56	12
Hawa Welel	17,315	14,069	25,141	1.45	466,909	10.47	13
Gawo Dale	23,820	22,114	39,778	1.67	856,622	12.33	13
Dale Sadi	11,117	9,785	16,444	1.48	279,003	10.20	12
Yubdo	5,640	4,096	7,085	1.26	119,061	9.65	11
Ganji	9,611	2,434	3,201	0.33	49,492	11.86	7
Haru	11,508	2,851	3,481	0.30	55,801	12.93	7
Nole Kaba	23,388	15,822	23,836	1.02	270,073	7.59	9
Lalo Kilie	7,900	7,310	13,344	1.69	228,904	9.22	14
Sayo	19,844	14,648	22,598	1.14	414,344	11.36	9
Anfilo	11,848	4,924	6,336	0.53	120,922	14.80	9
Begi	30,734	18,835	27,034	0.88	413,175	10.53	8
East Welega Zone	260,893	143,301	269,371	1.03	5,155,433	11.99	9
Limu	20,690	9,915	16,195	0.78	154,214	5.91	8
Ibantu	5,087	1,640	2,463	0.48	25,720	6.87	4
Gida Kiremu	22,168	12,959	26,380	1.19	328,275	6.43	7
Jarte	7,363	5,334	11,228	1.52	163,207	6.94	6
Amuru	7,739	5,846	11,356	1.47	142,765	6.43	5
Abe Dongoro	9,470	7,293	15,331	1.62	224,637	6.92	8
Jimma Horo	24,023	14,538	34,360	1.43	875,958	9.53	7
Abay Chomen	4,715	1,205	1,702	0.36	64,378	29.21	14
Guduru	21,520	8,153	9,461	0.44	1,503,082	145.67	30
Jimma Rare	7,738	4,174	6,424	0.83	200,688	23.03	13
Bila Seyo	13,470	8,326	12,662	0.94	167,150	8.89	11
Sibu Sire	15,203	9,382	15,838	1.04	223,949	8.82	10
Guto Wayu	28,487	13,402	21,708	0.76	234,340	6.53	6
Sasiga	11,346	3,534	4,598	0.41	48,978	8.20	7
Leka Dulecha	10,555	5,301	6,477	0.61	52,542	6.66	7
Diga	11,868	4,333	5,736	0.48	50,253	6.70	10
Jimma Arjo	13,333	5,330	9,187	0.69	71,753	4.75	6
Nunu Kumba	10,438	8,073	17,461	1.67	179,415	4.39	8
Wama Bonaya	15,680	14,563	40,804	2.60	444,131	3.74	10
Illibabor Zone	195,287	151,604	257,127	1.32	2,542,654	5.67	8
Darimu	22,324	20,787	42,934	1.92	456,719	5.01	8
Supena Sodo	13,139	10,866	16,907	1.29	165,795	6.25	9
Chora	19,554	13,999	21,966	1.12	152,530	4.32	7
Dega	10,191	7,163	10,115	0.99	121,576	6.77	7
Bedele	20,513	16,251	32,321	1.58	258,196	3.92	6
Gechi	10,893	8,326	15,241	1.40	117,473	4.16	7
Borecha Wereda	9,030	7,054	15,930	1.76	103,848	2.89	7
Dedesa	14,033	9,727	16,609	1.18	149,805	5.09	11
yayu	19,201	14,146	21,057	1.10	204,463	5.78	10
Metu	22,651	18,009	25,774	1.14	401,718	10.24	10

TABLE 8.32A:- Number of Holders Reporting 'Gottera' Owned, Quantity Reported, Replacement Value and Storage Capacity of 'Gottera', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Gotteras' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Gottera' (Birr)	Average Storage Capacity of 'Gottera' (Quintal)
Illibabor Zone	17,356	11,356	15,159	0.87	181,702	8.85	8
Ale	11,992	10,431	18,121	1.51	186,330	5.69	9
Bure	4,411	3,490	4,992	1.13	42,501	6.05	6
Nono	443,315	333,136	590,897	1.33	10,964,388	10.67	13
Jimma Zone	29,245	27,184	66,253	2.27	541,547	3.41	8
Limu Seka	45,921	39,079	79,324	1.73	1,029,664	6.49	11
Limu Kosa	25,586	23,078	39,637	1.55	812,533	11.73	12
Sokoru	24,135	22,771	54,585	2.26	1,069,843	8.09	16
Tiro Afeta	29,474	27,161	52,770	1.79	1,406,540	13.93	19
Kersa	27,816	19,415	28,347	1.02	643,967	15.19	18
Mana	49,523	23,468	30,012	0.61	755,588	19.69	16
Goma	20,803	10,002	18,638	0.90	197,403	5.81	10
Gera	56,422	34,638	54,026	0.96	1,079,573	12.44	11
Seka chekorsa	54,035	43,057	68,921	1.28	1,283,198	11.65	13
Dedo	45,972	41,710	69,274	1.51	1,733,310	14.46	15
Omonada	16,132	10,626	14,246	0.88	177,412	9.43	6
Sigmo	18,249	10,947	14,864	0.81	233,809	12.10	11
Setema	502,591	261,549	475,574	0.95	6,852,608	7.91	8
West Shewa Zone	33,630	23,418	36,659	1.09	489,509	8.16	7
Ginde Beret	33,701	22,675	41,124	1.22	398,810	5.10	7
Jeldu	40,122	23,376	44,854	1.12	636,720	7.60	7
Ambo	37,011	28,880	55,147	1.49	692,326	6.59	9
Cheliya	19,389	12,483	18,337	0.95	305,311	11.02	12
Bako Tibe	15,544	13,815	30,162	1.94	226,277	3.45	8
Dano	23,140	20,162	48,672	2.10	650,546	4.81	7
Nono	12,596	10,164	16,760	1.33	153,563	5.28	6
Tikur	21,943	10,879	21,452	0.98	427,308	8.84	7
Amaya	17,405	3,576	4,670	0.27	67,999	11.11	4
Wonchi	37,106	19,696	36,008	0.97	421,207	6.35	5
Dendi	15,219	7,480	14,507	0.95	175,566	6.08	8
Ejerie	19,302	14,868	26,459	1.37	491,230	11.00	12
Adda Berga	17,073	5,402	7,647	0.45	238,139	26.14	13
Walmara	20,607	3,624	5,733	0.28	158,912	18.10	9
Alem Gana	22,051	12,814	21,656	0.98	716,245	18.33	9
Kersana Kondaltiti	10,401	1,018	1,838	0.18	45,154	14.21	8
Tole	10,354	195	375	0.04	*	9.95	9
Elu	13,068	3,660	7,880	0.60	121,343	7.51	6
Dawo	35,633	2,246	3,489	0.10	*	*	*
Walisona Goro	11,294	404	612	0.05	10,583	12.07	8
Becho	12,362	4,869	8,602	0.70	99,733	6.58	5
Kokir	23,639	15,843	22,932	0.97	257,997	7.75	8
Meta Robi	237,011	128,970	222,559	0.94	5,042,365	13.22	11
North Shewa(Oromia) Zone	25,009	17,025	28,490	1.14	791,530	16.41	12
Wara Jarso	35,035	30,520	55,706	1.59	930,755	8.61	10
Dera	15,884	11,373	20,420	1.29	483,586	13.49	10
Hidabu Abote	20,090	14,634	21,825	1.09	296,287	8,84	9
Kuyu	17,936	11,475	21,006	1.17	518,379	15.68	13
Degem	13,163	8,024	16,464	1.25	345,120	9.99	11
Gerar Jarso	16,566	6,838	13,182	0.80	256,564	9.95	9
Yaya Gulelena Debre Libano	22,017	5,789	9,214	0.42	237,746	16.05	11
Wuchalena Jido	11,868	4,013	5,571	0.47	178,398	26.94	16
Abichuna Gna'a	10,860	2,039	2,419	0.22	67,966	24.44	10
Kembibit	24,774	5,190	8,806	0.36	282,754	18.81	11
Berehna Aleltu	23,810	12,051	19,456	0.82	653,279	19.48	13
Mulona Sululta							

TABLE 8.32A:- Number of Holders Reporting 'Gottera' Owned, Quantity Reported, Replacement Value and Storage Capacity of 'Gottera', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Gotteras' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Gottera' (Birr)	Average Storage Capacity of 'Gottera' (Quintal)
East Shewa Zone	314,966	152,053	243,175	0.77	8,361,445	19.59	12
Fentale	6,677	4,537	5,092	0.76	177,303	31.62	15
Boset	24,837	16,709	30,237	1.22	1,246,073	23.19	17
Adama	26,906	12,123	21,765	0.81	986,336	24.41	13
Lome	14,564	5,995	12,509	0.86	552,100	20.43	14
Gimbichu	15,569	8,013	16,027	1.03	702,316	21.15	12
Ada'a Liben Chukala	40,176	16,475	37,086	0.92	1,618,904	19.19	12
Dugda Bora	28,844	15,455	29,055	1.01	692,035	13.18	13
Adami Tullu Jido Kombolcha	23,794	13,043	14,844	0.62	265,745	15.07	9
Arsi Negele	26,584	12,287	17,032	0.64	461,961	19.33	12
Shashemene	46,108	18,409	23,536	0.51	574,209	19.73	8
Seraro	48,209	25,434	29,181	0.61	690,875	16.34	10
Akaki	12,696	3,574	6,811	0.54	393,588	27.42	11
Arsi Zone	493,007	280,957	454,386	0.92	12,238,221	16.40	14
Merti	22,750	15,004	27,871	1.23	570,814	10.82	10
Aseko	14,396	9,520	15,529	1.08	265,074	10.54	9
Gololcha	29,178	10,523	11,768	0.40	208,629	15.89	7
Jeju	22,217	9,916	16,482	0.74	512,791	18.15	11
Dodotana Sire	22,887	12,047	20,628	0.90	817,782	21.49	13
Zeway Dugda	21,200	15,613	23,703	1.12	1,124,807	29.94	17
Hitosa	39,229	14,740	25,318	0.65	1,175,063	25.26	18
Sude	25,501	8,761	14,344	0.56	240,043	9.89	10
Chole	15,918	9,514	16,124	1.01	322,160	11.81	10
Amigna	11,176	4,756	8,432	0.75	182,701	12.50	13
Seru	18,205	11,886	19,695	1.08	348,318	10.72	12
Robe	27,062	10,740	16,454	0.61	382,464	14.96	12
Tena	20,684	10,450	17,514	0.85	337,625	10.75	11
Sherka	26,405	17,736	33,365	1.26	596,107	9.12	13
Digeluna Tijo	22,181	13,394	21,209	0.96	554,380	17.04	17
Tiyo	15,978	10,821	19,372	1.21	902,325	26.13	16
Munesa	35,171	26,033	46,608	1.33	1,363,388	17.26	15
Bekoji	35,995	22,487	33,833	0.94	735,473	14.53	16
Gedeb	24,847	17,428	24,998	1.01	836,658	22.54	23
Kofele	42,028	29,584	41,138	0.98	761,620	14.43	9
West Harerge Zone	291,356	75,377	88,731	0.30	1,900,467	18.55	6
Mieso	16,400	5,172	5,393	0.33	305,949	53.53	11
Doba	22,768	9,137	10,985	0.48	140,382	10.64	4
Tulo	24,329	8,096	9,416	0.39	111,113	10.13	5
Mesela	25,840	7,055	7,622	0.29	141,585	17.64	7
Chiro	62,368	20,556	24,587	0.39	524,308	17.72	7
Goba Koricha	20,014	7,236	9,871	0.49	190,390	14.35	5
Anchar	13,430	4,910	5,929	0.44	105,478	14.50	6
Habro	30,386	2,252	2,715	0.09	43,041	13.04	4
Darolebu	26,978	2,392	2,619	0.10	88,169	31.81	9
Boke	22,144	2,906	3,310	0.15	83,773	22.92	6
Kuni	26,701	5,663	6,283	0.24	166,279	24.24	6
East Harerge Zone	387,193	45,980	48,957	0.13	1,471,111	27.92	11
Kombolcha	20,710	*	*	-	*	*	*
Jarso	17,052	933	*	-	33,815	*	7
Gursum	25,567	*	*	-	*	*	*
Babile	10,237	-	-	-	-	-	-
Fedis	24,565	*	*	-	*	*	*
Haro Maya	31,404	-	-	-	-	-	-
Kurfa Chele	7,122	832	832	0.12	66,418	79.83	17
Kersa	27,745	1,916	1,916	0.07	157,704	82.31	20

TABLE 8.32A:- Number of Holders Reporting 'Gottera' Owned, Quantity Reported, Replacement Value and Storage Capacity of 'Gottera', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Gottera' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Gottera' (Birr)	Average Storage Capacity of 'Gottera' (Quintal)
East Harerge Zone	43,775	7,639	8,075	0.18	278,860	29.65	13
Meta	25,718	6,134	6,780	0.26	92,162	12.58	4
Goro Gutu	38,265	8,364	9,366	0.24	279,985	27.50	12
Deder	24,930	8,761	9,021	0.36	270,012	29.08	11
Malka Balo	43,356	6,635	6,739	0.16	196,442	28.64	12
Bedeno	38,886	3,158	3,328	0.09	*	13.48	8
Girawa	7,861	587	593	0.08	14,877	24.73	7
Gola Oda	259,058	119,154	188,559	0.73	3,430,423	11.49	14
Bale Zone	23,375	1,882	2,638	0.11	25,264	6.93	4
Kokosa	23,650	14,137	22,049	0.93	345,193	10.04	12
Dodola	19,856	11,527	16,780	0.85	287,378	11.61	13
Adaba	13,146	8,768	15,536	1.18	271,064	9.46	13
Agarfa	12,088	6,683	13,149	1.09	258,527	9.84	13
Gasera	14,914	9,137	18,522	1.24	312,072	8.07	11
Gololcha	8,094	737	809	0.10	13,018	14.21	9
Legehida	21,653	6,712	11,516	0.53	248,711	12.74	13
Ginir	24,988	15,793	32,876	1.32	546,487	7.52	12
Sinanana Dinsho	7,183	4,598	8,139	1.13	108,155	7.42	8
Goba	19,198	11,483	11,935	0.62	240,739	19.54	22
Mennana Arena Buluk	14,169	1,708	2,339	0.17	21,090	6.78	6
Nensebo	12,557	7,042	7,208	0.57	173,425	23.79	20
Meda Welabu	10,213	7,522	8,401	0.82	212,200	22.78	19
Berbere	4,160	1,533	1,602	0.39	29,383	17.61	11
Guradamole	15,934	5,754	10,688	0.67	257,925	11.56	13
Goro	6,168	2,294	2,426	0.39	58,859	23.25	16
Raytu	7,711	1,844	1,947	0.25	20,932	10.00	9
Seweyna	283,104	97,171	110,372	0.39	4,787,166	39.33	13
Borena Zone	42,623	6,608	7,473	0.18	79,843	9.70	5
Uraga	30,433	12,474	17,543	0.58	259,692	10.94	7
Bore	22,616	14,837	16,430	0.73	484,180	26.43	12
Adolana Wadera	14,015	6,639	6,716	0.48	525,740	77.20	11
Odo Shakiso	86,116	17,441	18,023	0.21	777,583	41.56	8
Hager Mariam	10,081	4,125	4,207	0.42	342,595	79.50	22
Yabelo	3,331	1,385	1,414	0.42	74,146	51.70	19
Arero	14,844	11,031	11,508	0.78	608,356	50.22	18
Liben	10,736	5,579	6,323	0.59	611,590	84.52	31
Moyale	13,719	7,009	7,646	0.56	452,055	54.91	28
Dire	7,361	6,411	9,259	1.26	408,482	30.11	10
Teltele	27,229	3,631	3,831	0.14	162,905	40.97	10
Gelana Abaya							

TABLE 8.33A:- Number of Holders Reporting 'Gudguad' Owned, Quantity Reported, Replacement Value and Storage Capacity of 'Gudguad', for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Gudguads' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Gudguad' (Birr)	Average Storage Capacity of 'Gudguad' (Quintal)
Oromia Region	3,981,704	677,191	786,932	0.20	16,974,914	19.72	8
West Welega Zone	313,923	648	1,249	0.00	18,163	11.30	4
Mana Sibu	27,022	*	*	-	*	*	*
Nejo	17,916	*	*	-	*	*	*
Gimbi	17,096	*	*	-	*	*	*
Lalo Asabi	10,906	50	*	-	*	*	*
Boji	15,188	*	*	-	*	*	*
Ayra Guliso	16,371	-	-	-	-	-	-
Jarso	16,190	*	*	-	*	*	*
Gidami	13,636	-	-	-	-	-	-
Jimma Horo	6,869	*	*	-	*	*	*
Hawa Welel	17,315	*	*	-	-	-	-
Gawo Dale	23,820	-	-	-	-	-	-
Dale Sadi	11,117	-	-	-	-	-	-
Yubdo	5,640	-	-	-	-	-	-
Ganji	9,611	*	*	-	*	*	*
Haru	11,508	-	-	-	-	-	-
Nole Kaba	23,388	-	-	-	-	-	-
Lalo Kilie	7,900	-	-	-	-	-	-
Sayo	19,844	-	-	-	-	-	-
Anfilo	11,848	*	*	-	*	*	*
Begi	30,734	*	*	-	*	*	*
East Welega Zone	260,893	553	890	0.00	*	*	3
Limu	20,690	*	*	-	*	*	*
Ibantu	5,087	26	46	0.01	451	5.62	*
Gida Kiremu	22,168	*	*	-	*	*	*
Jarte	7,363	*	*	-	*	*	*
Amuru	7,739	*	*	-	*	*	*
Abe Dongoro	9,470	*	*	-	*	*	*
Jimma Horo	24,023	145	209	0.01	*	*	*
Abay Chomen	4,715	*	*	-	*	*	*
Guduru	21,520	*	*	-	*	*	*
Jimma Rare	7,738	*	*	-	*	*	*
Bila Seyo	13,470	*	*	-	*	*	*
Sibu Sire	15,203	*	*	-	*	*	*
Guto Wayu	28,487	*	*	-	*	*	*
Sasiga	11,346	-	-	-	-	-	-
Leka Dulecha	10,555	*	*	-	*	*	*
Diga	11,868	*	*	-	*	*	*
Jimma Arjo	13,333	*	*	-	*	*	*
Nunu Kumba	10,438	-	-	-	-	-	-
Wama Bonaya	15,680	-	-	-	-	-	-
Illibabor Zone	195,287	459	487	0.00	1,359	2.51	2
Darimu	22,324	-	-	-	-	-	-
Supena Sodo	13,139	-	-	-	-	-	-
Chora	19,554	-	-	-	-	-	-
Dega	10,191	*	*	-	*	*	*
Bedele	20,513	-	-	-	-	-	-
Gechi	10,893	-	-	-	-	-	-
Borecha Wereda	9,030	-	-	-	-	-	-
Dedesa	14,033	-	-	-	-	-	-
yayu	19,201	-	-	-	-	-	-
Metu	22,651	-	-	-	-	-	-

TABLE 8.33A:- Number of Holders Reporting 'Gudguad' Owned, Quantity Reported, Replacement Value and Storage Capacity of 'Gudguad', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Gudguads' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Gudguad' (Birr)	Average Storage Capacity of 'Gudguad' (Quintal)
Illibabor Zone	17,356	-	-	-	-	-	-
Ale	11,992	-	-	-	-	-	-
Bure	4,411	304	310	0.07	541	1.73	2
Nono	443,315	82,558	125,293	0.28	433,081	2.12	3
Jimma Zone	29,245	-	-	-	-	-	-
Limu Seka	45,921	*	*	-	*	*	*
Limu Kosa	25,586	10,102	16,782	0.66	54,508	2.07	4
Sokoru	24,135	*	*	-	*	*	*
Tiro Afeta	29,474	1,975	*	-	14,986	*	*
Kersa	27,816	2,180	*	-	*	*	1
Mana	49,523	6,795	9,975	0.20	31,569	2.43	2
Goma	20,803	*	*	-	*	*	*
Gera	56,422	19,487	27,860	0.49	70,472	1.82	1
Seka chekorsa	54,035	26,282	36,377	0.67	91,735	1.84	4
Dedo	45,972	12,391	20,394	0.44	141,190	3.13	6
Omonada	16,132	1,686	2,043	0.13	3,264	1.35	1
Sigmo	18,249	*	*	-	*	*	*
Setema	502,591	34,392	54,574	0.11	184,674	2.20	3
West Shewa Zone	33,630	-	-	-	-	-	-
Ginde Beret	33,701	*	*	-	*	*	*
Jeldu	40,122	5,197	10,814	0.27	39,942	1.83	2
Ambo	37,011	-	-	-	-	-	-
Cheliya	19,389	-	-	-	-	-	-
Bako Tibe	15,544	-	-	-	-	-	-
Dano	23,140	604	656	0.03	2,255	3.23	2
Nono	12,596	10,062	16,697	1.33	41,487	1.46	3
Tikur	21,943	3,004	5,689	0.26	9,389	0.88	4
Amaya	17,405	*	*	-	3,171	*	*
Wonchi	37,106	*	*	-	*	*	*
Dendi	15,219	329	638	0.04	3,150	2.59	3
Ejerie	19,302	*	*	-	*	*	*
Adda Berga	17,073	*	*	-	*	*	*
Walmara	20,607	*	*	-	*	*	*
Alem Gana	22,051	*	*	-	*	*	*
Kersana Kondaltiti	10,401	*	*	-	*	*	*
Tole	10,354	*	*	-	*	*	*
Elu	13,068	*	*	-	*	*	*
Dawo	35,633	10,681	13,888	0.39	58,960	3.26	3
Walisona Goro	11,294	*	*	-	*	*	*
Becho	12,362	2,072	2,935	0.24	14,660	3.83	5
Kokir	23,639	*	*	-	*	*	*
Meta Robi	237,011	5,280	5,832	0.02	117,626	18.36	9
North Shewa(Oromia) Zone	25,009	1,844	2,146	0.09	71,993	29.40	10
Wara Jarso	35,035	3,163	3,206	0.09	30,888	9.50	9
Dera	15,884	*	*	-	*	*	*
Hidabu Abote	20,090	-	-	-	-	-	-
Kuyu	17,936	-	-	-	-	-	-
Degem	13,163	*	*	-	*	*	*
Gerar Jarso	16,566	-	-	-	-	-	-
Yaya Gulelena Debre Libano	22,017	*	*	-	*	*	*
Wuchalena Jido	11,868	-	-	-	-	-	-
Abichuna Gna'a	10,860	*	*	-	*	*	*
Kembibit	24,774	*	*	-	*	*	*
Berehna Aleltu	23,810	*	*	-	*	*	*
Mulona Sululta							

TABLE 8.33A:- Number of Holders Reporting 'Gudguad' Owned, Quantity Reported, Replacement Value and Storage Capacity of 'Gudguad', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Gudguads' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Gudguad' (Birr)	Average Storage Capacity of 'Gudguad' (Quintal)
East Shewa Zone	314,966	1,373	1,521	0.00	*	*	*
Fentale	6,677	-	-	-	-	-	-
Boset	24,837	*	*	-	*	*	*
Adama	26,906	*	*	-	*	*	*
Lome	14,564	-	-	-	-	-	-
Gimbichu	15,569	-	-	-	-	-	-
Ada'a Liben Chukala	40,176	-	-	-	-	-	-
Dugda Bora	28,844	*	*	-	*	*	*
Adami Tullu Jido Kombolcha	23,794	-	-	-	-	-	-
Arsi Negele	26,584	*	*	-	*	*	*
Shashemene	46,108	*	*	-	*	*	*
Seraro	48,209	-	-	-	-	-	-
Akaki	12,696	*	*	-	*	*	*
Arsi Zone	493,007	62,270	70,213	0.14	1,362,925	17.34	8
Merti	22,750	6,673	7,294	0.32	204,961	25.70	10
Aseko	14,396	8,092	10,687	0.74	236,808	16.98	12
Gololcha	29,178	16,739	17,925	0.61	289,531	15.18	7
Jeju	22,217	1,867	2,193	0.10	94,252	37.09	12
Dodotana Sire	22,887	*	*	-	*	*	*
Zeway Dugda	21,200	-	-	-	-	-	-
Hitosa	39,229	*	*	-	*	*	*
Sude	25,501	1,992	2,264	0.09	63,275	*	9
Chole	15,918	5,487	6,154	0.39	123,730	17.79	9
Amigna	11,176	2,081	2,184	0.20	58,432	25.66	7
Seru	18,205	2,247	2,297	0.13	74,584	31.81	9
Robe	27,062	*	*	-	*	*	*
Tena	20,684	635	793	0.04	17,304	18.84	12
Sherka	26,405	2,458	2,731	0.10	85,456	29.26	15
Digeluna Tijo	22,181	*	*	-	*	*	*
Tiyo	15,978	-	-	-	-	-	-
Munesa	35,171	*	*	-	*	*	*
Bekoji	35,995	*	*	-	*	*	*
Gedeb	24,847	*	*	-	*	*	*
Kofele	42,028	12,356	13,599	0.32	62,016	3.98	2
West Harerge Zone	291,356	239,616	262,393	0.90	8,648,532	30.00	11
Mieso	16,400	13,235	15,512	0.95	1,230,958	69.88	15
Doba	22,768	21,452	22,378	0.98	781,964	33.29	12
Tulo	24,329	19,230	20,151	0.83	451,559	21.65	9
Mesela	25,840	19,239	20,339	0.79	339,627	15.97	7
Chiro	62,368	47,430	48,676	0.78	1,512,640	30.25	11
Goba Koricha	20,014	18,397	20,609	1.03	1,172,265	51.16	14
Anchar	13,430	11,409	12,451	0.93	369,421	26.94	10
Habro	30,386	25,152	29,609	0.97	1,163,479	33.17	12
Darolebu	26,978	22,455	24,821	0.92	534,851	19.73	9
Boke	22,144	19,525	22,426	1.01	427,131	16.38	12
Kuni	26,701	22,092	25,421	0.95	664,638	22.83	11
East Harerge Zone	387,193	223,708	233,430	0.60	5,948,288	24.42	9
Kombolcha	20,710	10,632	11,555	0.56	533,216	42.80	10
Jarso	17,052	4,743	4,908	0.29	125,459	24.39	10
Gursum	25,567	7,076	7,328	0.29	184,725	23.93	6
Babile	10,237	6,535	6,666	0.65	315,433	46.65	9
Fedis	24,565	18,829	19,088	0.78	643,448	33.69	15
Haro Maya	31,404	24,558	27,166	0.87	894,222	29.13	13
Kurfa Chele	7,122	4,264	4,341	0.61	121,082	27.28	9
Kersa	27,745	17,917	20,265	0.73	553,301	25.70	10

TABLE 8.33A:- Number of Holders Reporting 'Gudguad' Owned, Quantity Reported, Replacement Value and Storage Capacity of 'Gudguad', for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of 'Gudguad' Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per 'Gudguad' (Birr)	Average Storage Capacity of 'Gudguad' (Quintal)
East Harerge Zone	43,775	28,157	28,866	0.66	576,846	19.49	7
Meta	25,718	18,006	18,168	0.71	447,987	24.40	7
Goro Gutu	38,265	18,580	19,099	0.50	420,689	21.39	7
Deder	24,930	14,516	15,066	0.60	244,598	15.65	7
Malka Balo	43,356	23,884	24,446	0.56	497,769	20.11	6
Bedeno	38,886	19,656	19,885	0.51	255,144	12.78	6
Girawa	7,861	6,355	6,584	0.84	134,372	19.78	8
Gola Oda	259,058	20,908	24,695	0.10	119,018	3.91	3
Bale Zone	23,375	16,297	19,115	0.82	67,276	2.88	2
Kokosa	23,650	*	*	-	*	*	*
Dodola	19,856	-	-	-	-	-	-
Adaba	13,146	*	*	-	*	*	*
Agarfa	12,088	*	*	-	*	*	*
Gasera	14,914	*	*	-	*	*	*
Gololcha	8,094	325	426	0.05	7,964	14.44	11
Legehida	21,653	-	-	-	-	-	-
Ginir	24,988	-	-	-	-	-	-
Sinanana Dinsho	7,183	-	-	-	-	-	-
Goba	19,198	-	-	-	-	-	-
Mennana Arena Buluk	14,169	2,913	3,544	0.25	30,558	6.49	4
Nensebo	12,557	-	-	-	-	-	-
Meda Welabu	10,213	*	*	-	*	*	*
Berbere	4,160	-	-	-	-	-	-
Guradamole	15,934	-	-	-	-	-	-
Goro	6,168	-	-	-	-	-	-
Raytu	7,711	*	*	-	*	*	*
Seweyna	283,104	5,425	6,355	0.02	58,510	7.79	5
Borena Zone	42,623	-	-	-	-	-	-
Uraga	30,433	4,105	5,028	0.17	40,010	6.20	5
Bore	22,616	-	-	-	-	-	-
Adolana Wadera	14,015	-	-	-	-	-	-
Odo Shakiso	86,116	*	*	-	*	*	*
Hager Mariam	10,081	-	-	-	-	-	-
Yabelo	3,331	-	-	-	-	-	-
Arero	14,844	-	-	-	-	-	-
Liben	10,736	-	-	-	-	-	-
Moyale	13,719	*	*	-	*	*	*
Dire	7,361	100	107	0.01	3,123	27.83	12
Teltele	27,229	-	-	-	-	-	-
Gelana Abaya							

TABLE 8. 34A - Number of Holders Reporting Modern Storage Facilities Owned, Quantity Reported, Replacement Value and Storage Capacity of Modern Storage, for Private Holdings.

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Modern Storages Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Modern Storage (Birr)	Average Storage Capacity of Modern Storage (Quintal)
Oromia Region	3,981,704	15,280	21,301	0.01	*	*	44
West Welega Zone	313,923	1,692	2,256	0.01	241,010	99.57	23
Mana Sibu	27,022	*	*	-	*	*	*
Nejo	17,916	*	*	-	*	*	*
Gimbi	17,096	*	*	-	*	*	*
Lalo Asabi	10,906	*	*	-	*	*	*
Boji	15,188	*	*	-	*	*	*
Ayra Guliso	16,371	78	98	0.01	*	*	*
Jarso	16,190	204	352	0.02	3,897	6.35	8
Gidami	13,636	*	*	-	*	*	*
Jimma Horo	6,869	34	43	0.01	*	*	15
Hawa Welel	17,315	*	*	-	*	*	*
Gawo Dale	23,820	187	409	0.02	*	*	*
Dale Sadi	11,117	*	*	-	*	*	*
Yubdo	5,640	*	*	-	*	*	*
Ganji	9,611	52	*	-	*	*	*
Haru	11,508	*	*	-	*	*	*
Nole Kaba	23,388	*	*	-	*	*	*
Lalo Kilie	7,900	*	*	-	*	*	*
Sayo	19,844	339	367	0.02	*	*	24
Anfilo	11,848	196	233	0.02	36,255	133.33	27
Begi	30,734	164	164	0.01	3,542	21.60	*
East Welega Zone	260,893	2,028	2,956	0.01	2,142,067	*	44
Limu	20,690	*	*	-	*	*	*
Ibantu	5,087	*	*	-	-	-	-
Gida Kiremu	22,168	*	*	-	*	*	*
Jarte	7,363	61	132	0.02	1,222	*	*
Amuru	7,739	76	160	0.02	2,185	*	8
Abe Dongoro	9,470	*	*	-	*	*	*
Jimma Horo	24,023	*	*	-	*	*	*
Abay Chomen	4,715	49	49	0.01	*	*	*
Guduru	21,520	*	*	-	*	*	*
Jimma Rare	7,738	*	*	-	*	*	*
Bila Seyo	13,470	129	129	0.01	*	*	*
Sibu Sire	15,203	126	213	0.01	*	*	*
Guto Wayu	28,487	*	*	-	*	*	*
Sasiga	11,346	-	-	-	-	-	-
Leka Dulecha	10,555	*	*	-	*	*	*
Diga	11,868	*	*	-	*	*	*
Jimma Arjo	13,333	*	*	-	*	*	*
Nunu Kumba	10,438	*	*	-	*	*	*
Wama Bonaya	15,680	212	568	0.04	6,589	3.84	7
Illibabor Zone	195,287	721	915	0.00	*	*	39
Darimu	22,324	*	*	-	*	*	*
Supena Sodo	13,139	*	*	-	*	*	*
Chora	19,554	*	*	-	*	*	*
Dega	10,191	*	*	-	*	*	*
Bedele	20,513	-	-	-	-	-	-
Gechi	10,893	*	*	-	*	*	*
Borecha Wereda	9,030	*	*	-	*	*	*
Dedesa	14,033	170	188	0.01	*	*	*
yayu	19,201	*	*	-	*	*	*
Metu	22,651	160	160	0.01	*	*	*

TABLE 8. 34A - Number of Holders Reporting Modern Storage Facilities Owned, Quantity Reported, Replacement Value and Storage Capacity of Modern Storage, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Modern Storages Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Modern Storage (Birr)	Average Storage Capacity of Modern Storage (Quintal)
Illibabor Zone	17,356	*	*	-	*	*	*
Ale	11,992	*	*	-	*	*	*
Bure	4,411	-	-	-	-	-	-
Nono	443,315	3,450	5,512	0.01	*	*	34
Jimma Zone	29,245	-	-	-	-	-	-
Limu Seka	45,921	387	430	0.01	*	*	*
Limu Kosa	25,586	*	*	-	*	*	*
Sokoru	24,135	*	*	-	*	*	*
Tiro Afeta	29,474	*	*	-	*	*	*
Kersa	27,816	465	503	0.02	*	*	*
Mana	49,523	782	*	-	*	*	*
Goma	20,803	*	*	-	*	*	*
Gera	56,422	*	*	-	*	*	*
Seka chekorsa	54,035	*	*	-	*	*	*
Dedo	45,972	327	511	0.01	*	*	*
Omonada	16,132	*	*	-	*	*	*
Sigmo	18,249	*	*	-	*	*	*
Setema	502,591	1,489	2,487	0.00	490,607	153.88	30
West Shewa Zone	33,630	*	*	-	*	*	*
Ginde Beret	33,701	176	221	0.01	*	*	*
Jeldu	40,122	*	*	-	*	*	*
Ambo	37,011	173	*	-	*	*	*
Cheliya	19,389	*	*	-	*	*	*
Bako Tibe	15,544	*	*	-	*	*	*
Dano	23,140	*	*	-	*	*	*
Nono	12,596	-	-	-	-	-	-
Tikur	21,943	-	-	-	-	-	-
Amaya	17,405	*	*	-	*	*	*
Wonchi	37,106	*	*	-	*	*	*
Dendi	15,219	-	-	-	-	-	-
Ejerie	19,302	154	359	0.02	*	*	18
Adda Berga	17,073	*	*	-	*	*	*
Walmara	20,607	-	-	-	-	-	-
Alem Gana	22,051	*	*	-	*	*	*
Kersana Kondaltiti	10,401	*	*	-	*	*	*
Tole	10,354	-	-	-	-	-	-
Elu	13,068	*	*	-	*	*	*
Dawo	35,633	*	*	-	*	*	*
Walisona Goro	11,294	*	*	-	*	*	*
Becho	12,362	*	*	-	*	*	*
Kokir	23,639	*	*	-	*	*	*
Meta Robi	237,011	731	1,107	0.00	69,644	54.76	20
North Shewa(Oromia) Zone	25,009	*	*	-	*	*	*
Wara Jarso	35,035	*	*	-	*	*	*
Dera	15,884	*	*	-	*	*	*
Hidabu Abote	20,090	262	340	0.02	25,474	69.21	26
Kuyu	17,936	*	*	-	*	*	*
Degem	13,163	*	*	-	*	*	*
Gerar Jarso	16,566	*	*	-	*	*	*
Yaya Gulelena Debre Libano	22,017	-	-	-	-	-	-
Wuchalena Jido	11,868	*	*	-	*	*	*
Abichuna Gna'a	10,860	-	-	-	-	-	-
Kembibit	24,774	-	-	-	-	-	-
Berehna Aleltu	23,810	*	*	-	*	*	*
Mulona Sululta							

TABLE 8. 34A - Number of Holders Reporting Modern Storage Facilities Owned, Quantity Reported, Replacement Value and Storage Capacity of Modern Storage, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Modern Storages Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Modern Storage (Birr)	Average Storage Capacity of Modern Storage (Quintal)
East Shewa Zone	314,966	994	1,218	0.00	596,075	*	*
Fentale	6,677	*	*	-	*	*	*
Boset	24,837	*	*	-	*	*	*
Adama	26,906	*	*	-	*	*	*
Lome	14,564	*	*	-	*	*	*
Gimbichu	15,569	*	*	-	*	*	*
Ada'a Liben Chukala	40,176	*	*	-	*	*	*
Dugda Bora	28,844	*	*	-	*	*	*
Adami Tullu Jido Kombolcha	23,794	-	-	-	-	-	-
Arsi Negele	26,584	*	*	-	*	*	*
Shashemene	46,108	397	448	0.01	*	*	*
Seraro	48,209	*	*	-	*	*	*
Akaki	12,696	*	*	-	*	*	*
Arsi Zone	493,007	1,818	2,241	0.00	3,186,321	1,416.86	87
Merti	22,750	-	-	-	-	-	-
Aseko	14,396	38	38	0.00	1,132	29.78	17
Gololcha	29,178	*	*	-	*	*	*
Jeju	22,217	130	*	-	*	*	9
Dodotana Sire	22,887	*	*	-	*	*	*
Zeway Dugda	21,200	*	*	-	*	*	*
Hitosa	39,229	527	611	0.02	*	*	121
Sude	25,501	*	*	-	*	*	*
Chole	15,918	*	*	-	*	*	*
Amigna	11,176	*	*	-	*	*	*
Seru	18,205	*	*	-	*	*	*
Robe	27,062	*	*	-	*	*	*
Tena	20,684	-	-	-	-	-	-
Sherka	26,405	*	*	-	*	*	*
Digeluna Tijo	22,181	*	*	-	*	*	*
Tiyo	15,978	134	249	0.02	*	*	*
Munesa	35,171	*	*	-	*	*	*
Bekoji	35,995	*	*	-	*	*	*
Gedeb	24,847	129	129	0.01	*	*	*
Kofele	42,028	-	-	-	-	-	-
West Harerge Zone	291,356	*	*	-	*	*	*
Mieso	16,400	*	*	-	*	*	*
Doba	22,768	*	*	-	*	*	*
Tulo	24,329	-	-	-	-	-	-
Mesela	25,840	*	*	-	*	*	*
Chiro	62,368	-	-	-	-	-	-
Goba Koricha	20,014	-	-	-	-	-	-
Anchar	13,430	*	*	-	*	*	*
Habro	30,386	-	-	-	-	-	-
Darolebu	26,978	-	-	-	-	-	-
Boke	22,144	-	-	-	-	-	-
Kuni	26,701	-	-	-	-	-	-
East Harerge Zone	387,193	126	126	0.00	*	*	*
Kombolcha	20,710	-	-	-	-	-	-
Jarso	17,052	-	-	-	-	-	-
Gursum	25,567	-	-	-	-	-	-
Babile	10,237	-	-	-	-	-	-
Fedis	24,565	-	-	-	-	-	-
Haro Maya	31,404	-	-	-	-	-	-
Kurfa Chele	7,122	-	-	-	-	-	-
Kersa	27,745	*	*	-	*	*	*

TABLE 8. 34A: - Number of Holders Reporting Modern Storage Facilities Owned, Quantity Reported, Replacement Value and Storage Capacity of Modern Storage, for Private Holdings. (Continued.)

Geographic Area	Total Number of Crop Holders	Number of Holders Reporting	Number of Modern Storages Reported	Average Number Per Holder	Total Value (Birr)	Average Replacement Value Per Modern Storage (Birr)	Average Storage Capacity of Modern Storage (Quintal)
East Harerge Zone	43,775	-	-	-	-	-	-
Meta	25,718	*	*	-	*	*	*
Goro Gutu	38,265	-	-	-	-	-	-
Deder	24,930	*	*	-	*	*	*
Malka Balo	43,356	-	-	-	-	-	-
Bedeno	38,886	-	-	-	-	-	-
Girawa	7,861	-	-	-	-	-	-
Gola Oda	259,058	539	672	0.00	*	*	112
Bale Zone	23,375	-	-	-	-	-	-
Kokosa	23,650	208	241	0.01	*	*	235
Dodola	19,856	*	*	-	*	*	*
Adaba	13,146	-	-	-	-	-	-
Agarfa	12,088	-	-	-	-	-	-
Gasera	14,914	*	*	-	*	*	*
Gololcha	8,094	77	77	0.01	864	11.22	16
Legehida	21,653	*	*	-	*	*	*
Ginir	24,988	*	*	-	*	*	*
Sinanana Dinsho	7,183	*	*	-	*	*	*
Goba	19,198	-	-	-	-	-	-
Mennana Arena Buluk	14,169	-	-	-	-	-	-
Nensebo	12,557	*	*	-	*	*	*
Meda Welabu	10,213	-	-	-	-	-	-
Berbere	4,160	15	15	0.00	*	*	*
Guradamole	15,934	*	*	-	*	*	*
Goro	6,168	-	-	-	-	-	-
Raytu	7,711	*	*	-	*	*	*
Seweyna	283,104	1,590	1,710	0.01	*	*	*
Borena Zone	42,623	*	*	-	*	*	*
Uraga	30,433	*	*	-	*	*	*
Bore	22,616	*	*	-	*	*	*
Adolana Wadera	14,015	121	121	0.01	12,707	105.02	13
Odo Shakiso	86,116	*	*	-	*	*	*
Hager Mariam	10,081	*	*	-	*	*	*
Yabelo	3,331	*	*	-	*	*	*
Arero	14,844	*	*	-	*	*	*
Liben	10,736	*	*	-	*	*	*
Moyale	13,719	*	*	-	*	*	*
Dire	7,361	*	*	-	*	*	*
Teltele	27,229	*	*	-	*	*	*
Gelana Abaya							

STATISTICAL TABLES PRESENTING THE CENSUS RESULTS AT ZONAL AND WOREDA LEVELS

Tables 8.1B - 8.34B

Table 8.1B:- Number of Crop Holders that Owned Axe by Geographic area.

Geographic Area	Number of Crop holders that owned											
	No Axe		One Axe		Two Axes		Three Axes		Four Axes		Five and above Axes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	800,934	20.12	1,823,684	45.80	993,135	24.94	265,113	6.66	68,777	1.73	30,061	0.75
West Welega Zone	35,997	11.47	144,904	46.16	102,937	32.79	24,040	7.66	4,569	1.46	1,476	0.47
Mana Sibu	2,478	9.17	10,260	37.97	9,551	35.35	3,494	12.93	856	3.17	383	1.42
Nejo	1,454	8.12	7,114	39.71	6,563	36.63	2,150	12.00	501	2.80	134	0.75
Gimbi	1,236	7.23	7,581	44.34	6,103	35.70	1,713	10.02	311	1.82	152	0.89
Lalo Asabi	996	9.13	3,927	36.01	4,267	39.13	1,412	12.95	215	1.97	89	0.82
Boji	1,069	7.04	6,178	40.68	6,223	40.97	1,427	9.40	217	1.43	74	0.49
Ayra Guliso	1,658	10.13	6,546	39.99	6,646	40.60	1,200	7.33	285	1.74	36	0.22
Jarso	1,199	7.41	6,841	42.25	5,982	36.95	1,894	11.70	194	1.20	80	0.49
Gidami	1,865	13.68	6,433	47.18	4,511	33.08	743	5.45	73	0.54	11	0.08
Jimma Horo	994	14.47	3,455	50.30	2,093	30.47	281	4.09	19	0.28	27	0.39
Hawa Welel	2,341	13.52	9,596	55.42	4,497	25.97	667	3.85	191	1.10	23	0.13
Gawo Dale	2,230	9.36	13,183	55.34	6,860	28.80	1,376	5.78	117	0.49	54	0.23
Dale Sadi	1,616	14.54	5,302	47.69	3,543	31.87	506	4.55	92	0.83	58	0.52
Yubdo	624	11.06	2,520	44.68	1,934	34.29	432	7.66	94	1.67	36	0.64
Ganji	1,456	15.15	3,264	33.96	3,546	36.90	1,038	10.80	277	2.88	30	0.31
Haru	993	8.63	4,151	36.07	4,651	40.42	1,333	11.58	262	2.28	118	1.03
Nole Kaba	2,841	12.15	10,432	44.60	8,266	35.34	1,475	6.31	306	1.31	68	0.29
Lalo Kilie	1,417	17.94	3,739	47.33	2,218	28.08	442	5.59	74	0.94	10	0.13
Sayo	4,586	23.11	11,627	58.59	3,221	16.23	385	1.94	25	0.13	-	-
Anfilo	1,884	15.90	6,369	53.76	2,892	24.41	601	5.07	102	0.86	-	-
Begi	3,056	9.94	16,387	53.32	9,371	30.49	1,470	4.78	356	1.16	94	0.31
East Welega Zone	21,768	8.34	113,739	43.60	93,154	35.71	24,707	9.47	5,500	2.11	2,025	0.78
Limu	1,706	8.25	10,835	52.37	6,231	30.12	1,601	7.74	160	0.77	157	0.76
Ibantu	52	1.02	2,482	48.79	2,094	41.16	406	7.98	40	0.79	13	0.26
Gida Kiremu	1,303	5.88	10,809	48.76	8,098	36.53	1,429	6.45	301	1.36	228	1.03
Jarte	575	7.81	3,005	40.81	2,844	38.63	716	9.72	151	2.05	72	0.98
Amuru	559	7.22	2,889	37.33	3,203	41.39	881	11.38	198	2.56	9	0.12
Abe Dongoro	1,087	11.48	4,058	42.85	3,083	32.56	932	9.84	214	2.26	96	1.01
Jimma Horo	1,682	7.00	10,574	44.02	8,520	35.47	2,429	10.11	674	2.81	144	0.60
Abay Chomen	274	5.81	1,554	32.96	1,837	38.96	769	16.31	206	4.37	75	1.59
Guduru	1,505	6.99	8,184	38.03	7,980	37.08	2,814	13.08	827	3.84	210	0.98
Jimma Rare	257	3.32	2,772	35.82	3,194	41.28	1,157	14.95	294	3.80	64	0.83
Bila Seyo	1,739	12.91	6,994	51.92	3,769	27.98	764	5.67	184	1.37	20	0.15
Sibu Sire	2,480	16.31	7,333	48.23	4,114	27.06	1,078	7.09	153	1.01	45	0.30
Guto Wayu	2,241	7.87	12,897	45.27	10,727	37.66	1,947	6.83	470	1.65	205	0.72
Sasiga	1,130	9.96	4,567	40.25	4,622	40.74	656	5.78	236	2.08	135	1.19
Leka Dulecha	523	4.95	3,724	35.28	4,550	43.11	1,442	13.66	241	2.28	75	0.71
Diga	978	8.24	5,246	44.20	4,067	34.27	1,123	9.46	311	2.62	143	1.20
Jimma Arjo	1,217	9.13	5,952	44.64	4,920	36.90	1,076	8.07	118	0.89	50	0.38
Nunu Kumba	887	8.50	3,798	36.39	3,766	36.08	1,528	14.64	315	3.02	144	1.38
Wama Bonaya	1,576	10.05	6,066	38.69	5,534	35.29	1,959	12.49	407	2.60	138	0.88
Illibabor Zone	40,752	20.87	90,201	46.19	47,714	24.43	11,903	6.10	3,302	1.69	1,415	0.72
Darimu	7,924	35.50	10,417	46.66	3,285	14.72	521	2.33	143	0.64	34	0.15
Supena Sodo	2,462	18.74	6,448	49.08	2,961	22.54	901	6.86	228	1.74	139	1.06
Chora	3,078	15.74	9,772	49.97	5,035	25.75	1,212	6.20	199	1.02	258	1.32
Dega	1,962	19.25	5,163	50.66	2,286	22.43	562	5.51	175	1.72	43	0.42
Bedele	3,993	19.47	9,905	48.29	5,390	26.28	1,060	5.17	139	0.68	26	0.13
Gechi	1,657	15.21	5,329	48.92	2,879	26.43	789	7.24	150	1.38	89	0.82
Borecha Wereda	1,854	20.53	4,553	50.42	2,058	22.79	441	4.88	113	1.25	11	0.12
Dedesa	2,306	16.43	6,514	46.42	3,814	27.18	937	6.68	346	2.47	116	0.83
yayu	3,163	16.47	7,460	38.85	5,977	31.13	1,898	9.88	485	2.53	218	1.14
Metu	5,359	23.66	10,050	44.37	5,620	24.81	1,000	4.41	505	2.23	117	0.52

Table 8.1B:- Number of Crop Holders that Owned Axe by Geographic area. (Continued.)

Geographic Area	Number of Crop holders that owned											
	No Axe		One Axe		Two Axes		Three Axes		Four Axes		Five and above Axes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	2,626	15.13	7,167	41.29	5,095	29.36	1,702	9.81	519	2.99	247	1.42
Bure	3,677	30.66	5,294	44.15	2,179	18.17	572	4.77	197	1.64	73	0.61
Nono	694	15.73	2,128	48.24	1,135	25.73	308	6.98	104	2.36	42	0.95
Jimma Zone	77,914	17.58	200,494	45.23	114,115	25.74	34,262	7.73	11,159	2.52	5,371	1.21
Limu Seka	4,257	14.56	15,050	51.46	7,871	26.91	1,657	5.67	328	1.12	82	0.28
Limu Kosa	13,384	29.15	22,597	49.21	7,890	17.18	1,699	3.70	301	0.66	50	0.11
Sokoru	2,823	11.03	7,900	30.88	8,348	32.63	4,265	16.67	1,471	5.75	779	3.04
Tiro Afeta	2,799	11.60	9,632	39.91	7,880	32.65	2,690	11.15	736	3.05	398	1.65
Kersa	5,112	17.34	12,791	43.40	8,386	28.45	2,515	8.53	465	1.58	205	0.70
Mana	4,937	17.75	13,270	47.71	7,684	27.62	1,383	4.97	308	1.11	234	0.84
Goma	8,664	17.49	27,605	55.74	10,220	20.64	1,811	3.66	813	1.64	410	0.83
Gera	1,614	7.76	10,589	50.90	5,934	28.52	1,770	8.51	616	2.96	280	1.35
Seka chekorsa	14,939	26.48	24,341	43.14	11,693	20.72	3,491	6.19	1,207	2.14	751	1.33
Dedo	9,657	17.87	23,835	44.11	13,206	24.44	4,269	7.90	2,224	4.12	844	1.56
Omonada	3,648	7.94	13,013	28.31	17,626	38.34	8,017	17.44	2,446	5.32	1,222	2.66
Sigmo	2,088	12.94	9,509	58.94	3,973	24.63	310	1.92	213	1.32	39	0.24
Setema	3,991	21.87	10,361	56.78	3,404	18.65	386	2.12	30	0.16	77	0.42
West Shewa Zone	68,691	13.67	203,500	40.49	163,933	32.62	47,904	9.53	12,393	2.47	6,170	1.23
Ginde Beret	3,075	9.14	13,019	38.71	12,240	36.40	3,717	11.05	926	2.75	653	1.94
Jeldu	4,396	13.04	12,494	37.07	12,307	36.52	3,607	10.70	446	1.32	451	1.34
Ambo	5,455	13.60	13,916	34.68	13,735	34.23	4,843	12.07	1,529	3.81	644	1.61
Cheliya	2,357	6.37	9,808	26.50	14,999	40.53	6,792	18.35	1,946	5.26	1,109	3.00
Bako Tibe	2,353	12.14	6,545	33.76	7,669	39.55	2,196	11.33	501	2.58	125	0.64
Dano	1,389	8.94	5,963	38.36	4,969	31.97	2,411	15.51	573	3.69	239	1.54
Nono	1,939	8.38	8,738	37.76	7,597	32.83	3,447	14.90	924	3.99	495	2.14
Tikur	2,081	16.52	5,727	45.47	3,705	29.41	884	7.02	185	1.47	14	0.11
Amaya	2,077	9.47	6,698	30.52	7,985	36.39	3,488	15.90	1,162	5.30	533	2.43
Wonchi	2,241	12.88	7,213	41.44	6,068	34.86	1,242	7.14	301	1.73	340	1.95
Dendi	4,906	13.22	13,401	36.12	13,987	37.69	3,300	8.89	1,172	3.16	340	0.92
Ejerie	2,907	19.10	6,244	41.03	4,315	28.35	1,254	8.24	351	2.31	148	0.97
Adda Berga	2,905	15.05	9,055	46.91	5,523	28.61	1,377	7.13	442	2.29	-	-
Walmara	1,952	11.43	8,390	49.14	5,512	32.28	996	5.83	154	0.90	69	0.40
Alem Gana	4,017	19.49	9,415	45.69	5,814	28.21	1,030	5.00	234	1.14	97	0.47
Kersana Kondaltiti	2,261	10.25	10,726	48.64	7,191	32.61	1,641	7.44	208	0.94	24	0.11
Tole	2,376	22.84	5,159	49.60	2,178	20.94	485	4.66	93	0.89	110	1.06
Elu	2,778	26.83	4,510	43.56	2,552	24.65	393	3.80	95	0.92	26	0.25
Dawo	2,566	19.64	6,160	47.14	3,489	26.70	592	4.53	195	1.49	66	0.51
Walisona Goro	5,392	15.13	16,623	46.65	10,444	29.31	2,135	5.99	639	1.79	400	1.12
Becho	3,060	27.09	5,819	51.52	1,906	16.88	338	2.99	65	0.58	106	0.94
Kokir	2,969	24.02	6,212	50.25	2,768	22.39	287	2.32	96	0.78	30	0.24
Meta Robi	3,238	13.70	11,665	49.35	6,979	29.52	1,447	6.12	156	0.66	154	0.65
North Shewa(Oromia) Zone	35,792	15.10	107,317	45.28	72,398	30.55	16,518	6.97	3,709	1.56	1,277	0.54
Wara Jarso	1,972	7.89	12,332	49.31	8,197	32.78	1,892	7.57	409	1.64	207	0.83
Dera	1,720	4.91	13,548	38.67	14,447	41.24	4,200	11.99	920	2.63	200	0.57
Hidabu Abote	2,210	13.91	8,282	52.14	4,307	27.12	755	4.75	280	1.76	50	0.31
Kuyu	2,141	10.66	9,061	45.10	6,792	33.81	1,583	7.88	332	1.65	181	0.90
Degem	2,079	11.59	9,481	52.86	5,361	29.89	713	3.98	262	1.46	40	0.22
Gerar Jarso	1,280	9.72	5,813	44.16	4,666	35.45	1,002	7.61	246	1.87	156	1.19
Yaya Gulelena Debre	2,646	15.97	7,604	45.90	4,639	28.00	1,173	7.08	378	2.28	126	0.76
Wuchalena Jido	5,205	23.64	11,039	50.14	4,593	20.86	984	4.47	169	0.77	27	0.12
Abichuna Gna'a	3,287	27.70	5,121	43.15	2,763	23.28	613	5.17	53	0.45	31	0.26
Kembibit	3,424	31.53	4,807	44.26	2,311	21.28	289	2.66	15	0.14	14	0.13
Berehna Aleltu	6,249	25.22	10,284	41.51	6,584	26.58	1,195	4.82	278	1.12	184	0.74
Mulona Sululta	3,580	15.04	9,945	41.77	7,737	32.49	2,119	8.90	366	1.54	63	0.26

Table 8.1B:- Number of Crop Holders that Owned Axe by Geographic area. (Continued.)

Geographic Area	Number of Crop holders that owned											
	No Axe		One Axe		Two Axes		Three Axes		Four Axes		Five and above Axes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	74,040	23.51	126,589	40.19	77,067	24.47	25,206	8.00	8,294	2.63	3,770	1.20
Fentale	842	12.61	3,511	52.58	1,828	27.38	429	6.43	43	0.64	24	0.36
Boset	4,274	17.21	7,418	29.87	8,632	34.75	3,304	13.30	867	3.49	342	1.38
Adama	5,967	22.18	10,962	40.74	7,362	27.36	1,996	7.42	457	1.70	162	0.60
Lome	3,517	24.15	4,796	32.93	4,714	32.37	1,106	7.59	360	2.47	71	0.49
Gimbichu	4,488	28.83	6,704	43.06	3,240	20.81	930	5.97	152	0.98	55	0.35
Ada'a Liben Chukala	9,249	23.02	13,523	33.66	12,781	31.81	3,179	7.91	1,132	2.82	312	0.78
Dugda Bora	5,203	18.04	12,558	43.54	7,640	26.49	2,452	8.50	753	2.61	238	0.83
Adami Tullu Jido	8,934	37.55	9,799	41.18	3,040	12.78	1,382	5.81	371	1.56	268	1.13
Arsi Negele	8,619	32.42	9,370	35.25	4,450	16.74	2,387	8.98	919	3.46	839	3.16
Shashemene	9,785	21.22	19,421	42.12	10,018	21.73	4,197	9.10	1,749	3.79	938	2.03
Seraro	10,624	22.04	23,148	48.02	9,744	20.21	2,959	6.14	1,279	2.65	455	0.94
Akaki	2,536	19.97	5,379	42.37	3,618	28.50	885	6.97	211	1.66	67	0.53
Arsi Zone	103,271	20.95	196,006	39.76	131,371	26.65	45,235	9.18	12,589	2.55	4,535	0.92
Merti	2,661	11.70	7,166	31.50	7,761	34.11	3,728	16.39	1,100	4.84	334	1.47
Aseko	2,546	17.69	5,222	36.27	4,584	31.84	1,550	10.77	388	2.70	106	0.74
Gololcha	6,009	20.59	15,436	52.90	6,278	21.52	984	3.37	362	1.24	109	0.37
Jeju	3,837	17.27	8,623	38.81	6,812	30.66	2,289	10.30	610	2.75	46	0.21
Dodotana Sire	3,859	16.86	7,744	33.84	6,904	30.17	2,984	13.04	891	3.89	505	2.21
Zeway Dugda	4,273	20.16	7,004	33.04	6,895	32.52	2,393	11.29	533	2.51	102	0.48
Hitosa	8,794	22.42	16,320	41.60	9,409	23.98	3,039	7.75	1,101	2.81	566	1.44
Sude	5,637	22.11	11,168	43.79	6,563	25.74	1,439	5.64	406	1.59	288	1.13
Chole	1,903	11.96	5,465	34.33	5,325	33.45	2,461	15.46	612	3.84	152	0.95
Amigna	2,055	18.39	5,258	47.05	2,659	23.79	891	7.97	209	1.87	104	0.93
Seru	3,414	18.75	7,997	43.93	5,105	28.04	1,144	6.28	433	2.38	112	0.62
Robe	5,291	19.55	12,007	44.37	7,051	26.05	1,923	7.11	605	2.24	185	0.68
Tena	3,493	16.89	8,572	41.44	5,866	28.36	2,004	9.69	572	2.77	177	0.86
Sherka	3,585	13.58	8,313	31.48	8,318	31.50	4,794	18.16	1,170	4.43	225	0.85
Digeluna Tijo	4,582	20.66	9,022	40.67	6,023	27.15	2,002	9.03	392	1.77	160	0.72
Tiyo	3,399	21.27	5,150	32.23	4,735	29.63	2,058	12.88	461	2.89	175	1.10
Munesa	7,143	20.31	11,229	31.93	10,885	30.95	4,243	12.06	1,245	3.54	426	1.21
Bekoji	10,703	29.73	14,965	41.58	7,568	21.03	2,158	6.00	392	1.09	209	0.58
Gedeb	10,283	41.39	9,501	38.24	4,044	16.28	754	3.03	155	0.62	110	0.44
Kofele	9,810	23.34	19,845	47.22	8,584	20.42	2,395	5.70	952	2.27	442	1.05
West Harerge Zone	90,409	31.03	150,816	51.76	41,519	14.25	7,049	2.42	932	0.32	631	0.22
Mieso	6,539	39.87	7,801	47.57	1,714	10.45	290	1.77	26	0.16	30	0.18
Doba	4,443	19.51	11,603	50.96	5,328	23.40	1,021	4.48	213	0.94	160	0.70
Tulo	6,127	25.18	13,186	54.20	4,350	17.88	529	2.17	71	0.29	66	0.27
Mesela	7,985	30.90	12,175	47.12	5,110	19.78	496	1.92	74	0.29	-	-
Chiro	22,326	35.80	32,183	51.60	7,000	11.22	786	1.26	-	-	73	0.12
Goba Koricha	5,971	29.83	9,913	49.53	3,347	16.72	655	3.27	128	0.64	-	-
Anchar	2,701	20.11	7,695	57.30	2,286	17.02	637	4.74	82	0.61	29	0.22
Habro	11,484	37.79	13,657	44.95	3,911	12.87	1,074	3.53	138	0.45	122	0.40
Darolebu	4,798	17.78	17,126	63.48	4,105	15.22	796	2.95	107	0.40	46	0.17
Boke	7,805	35.25	11,829	53.42	1,954	8.82	482	2.18	45	0.20	29	0.13
Kuni	10,233	38.32	13,647	51.11	2,415	9.04	282	1.06	48	0.18	76	0.28
East Harerge Zone	106,268	27.45	197,785	51.08	66,515	17.18	12,833	3.31	2,748	0.71	1,044	0.27
Kombolcha	5,374	25.95	11,395	55.02	3,103	14.98	580	2.80	232	1.12	26	0.13
Jarso	4,182	24.52	8,681	50.91	3,238	18.99	677	3.97	232	1.36	42	0.25
Gursum	3,971	15.53	13,297	52.01	6,141	24.02	1,675	6.55	411	1.61	72	0.28
Babile	1,490	14.56	4,698	45.89	2,882	28.15	935	9.13	211	2.06	21	0.21
Fedis	5,015	20.42	13,937	56.74	4,275	17.40	1,039	4.23	172	0.70	127	0.52
Haro Maya	10,663	33.95	13,989	44.55	5,152	16.41	1,369	4.36	185	0.59	46	0.15
Kurfa Chele	2,003	28.12	3,470	48.72	1,347	18.91	261	3.66	22	0.31	19	0.27
Kersa	9,520	34.31	13,379	48.22	4,070	14.67	622	2.24	113	0.41	41	0.15

Table 8.1B:- Number of Crop Holders that Owned Axe by Geographic area. (Continued.)

Geographic Area	Number of Crop holders that owned											
	No Axe		One Axe		Two Axes		Three Axes		Four Axes		Five and above Axes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	13,541	30.93	20,117	45.96	8,945	20.43	881	2.01	235	0.54	56	0.13
Goro Gutu	7,904	30.73	13,155	51.15	3,763	14.63	545	2.12	232	0.90	119	0.46
Deder	12,002	31.37	18,803	49.14	6,781	17.72	485	1.27	96	0.25	98	0.26
Malka Balo	8,998	36.09	11,941	47.90	3,291	13.20	604	2.42	66	0.26	30	0.12
Bedeno	9,898	22.83	26,210	60.45	5,718	13.19	1,173	2.71	156	0.36	201	0.46
Girawa	10,525	27.07	20,513	52.75	6,069	15.61	1,552	3.99	227	0.58	-	-
Gola Oda	1,181	15.02	4,200	53.43	1,739	22.12	435	5.53	159	2.02	147	1.87
Bale Zone	71,027	27.42	132,222	51.04	43,175	16.67	9,493	3.66	2,215	0.86	926	0.36
Kokosa	6,401	27.38	14,579	62.37	2,233	9.55	136	0.58	-	-	26	0.11
Dodola	6,689	28.28	12,267	51.87	3,825	16.17	734	3.10	109	0.46	26	0.11
Adaba	5,334	26.86	8,474	42.68	4,560	22.97	1,184	5.96	233	1.17	71	0.36
Agarfa	3,352	25.50	5,941	45.19	2,835	21.57	716	5.45	246	1.87	56	0.43
Gasera	4,391	36.33	5,132	42.46	1,959	16.21	448	3.71	108	0.89	50	0.41
Gololcha	2,713	18.19	6,639	44.52	3,909	26.21	1,257	8.43	298	2.00	98	0.66
Legehida	1,174	14.50	5,712	70.57	1,020	12.60	135	1.67	40	0.49	13	0.16
Ginir	3,874	17.89	10,718	49.50	4,840	22.35	1,607	7.42	371	1.71	243	1.12
Sinanana Dinsho	6,477	25.92	12,672	50.71	5,037	20.16	680	2.72	65	0.26	57	0.23
Goba	2,602	36.22	3,314	46.14	1,065	14.83	175	2.44	27	0.38	-	-
Mennana Arena Buluk	8,407	43.79	8,831	46.00	1,545	8.05	267	1.39	148	0.77	-	-
Nensebo	3,987	28.14	7,511	53.01	2,187	15.44	375	2.65	78	0.55	31	0.22
Meda Welabu	4,251	33.85	6,878	54.77	1,187	9.45	169	1.35	-	-	72	0.57
Berbere	3,423	33.52	5,708	55.89	867	8.49	162	1.59	39	0.38	14	0.14
Guradamole	1,308	31.44	2,281	54.83	473	11.37	83	2.00	6	0.14	9	0.22
Goro	4,944	31.03	7,370	46.25	2,736	17.17	612	3.84	205	1.29	67	0.42
Raytu	654	10.60	3,138	50.88	1,616	26.20	498	8.07	183	2.97	79	1.28
Seweyna	1,042	13.51	5,058	65.59	1,282	16.63	258	3.35	60	0.78	11	0.14
Borena Zone	75,006	26.49	160,111	56.56	39,237	13.86	5,962	2.11	1,366	0.48	1,422	0.50
Uraga	12,704	29.81	25,122	58.94	4,014	9.42	732	1.72	51	0.12	-	-
Bore	7,322	24.06	19,475	63.99	3,432	11.28	67	0.22	68	0.22	69	0.23
Adolana Wadera	2,414	10.67	16,872	74.60	2,995	13.24	335	1.48	-	-	-	-
Odo Shakiso	281	2.00	9,422	67.23	3,822	27.27	446	3.18	24	0.17	20	0.14
Hager Mariam	35,308	41.00	37,514	43.56	9,921	11.52	1,882	2.19	590	0.69	901	1.05
Yabelo	1,335	13.24	5,800	57.53	2,437	24.17	327	3.24	138	1.37	44	0.44
Arero	451	13.54	2,020	60.64	768	23.06	47	1.41	45	1.35	-	-
Liben	2,474	16.67	10,183	68.60	1,965	13.24	177	1.19	20	0.13	25	0.17
Moyale	2,904	27.05	6,352	59.17	1,284	11.96	89	0.83	11	0.10	96	0.89
Dire	1,457	10.62	8,126	59.23	3,041	22.17	835	6.09	102	0.74	158	1.15
Teltele	652	8.86	4,662	63.33	1,464	19.89	333	4.52	141	1.92	109	1.48
Gelana Abaya	7,705	28.30	14,563	53.48	4,095	15.04	691	2.54	175	0.64	-	-

Table 8.2B:- Number of Crop Holders that Owned 'Gejera' by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'Gejera'		One 'Gejera'		Two 'Gejeras'		Three 'Gejeras'		Four 'Gejeras'		Five and above 'Gejeras'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	2,648,565	66.52	1,021,818	25.66	244,063	6.13	45,412	1.14	14,392	0.36	7,454	0.19
West Welega Zone	87,629	27.91	146,962	46.81	59,175	18.85	13,727	4.37	4,000	1.27	2,430	0.77
Mana Sibu	12,233	45.27	12,867	47.62	1,649	6.10	177	0.66	31	0.11	65	0.24
Nejo	6,042	33.72	10,004	55.84	1,438	8.03	385	2.15	23	0.13	24	0.13
Gimbi	9,627	56.31	5,691	33.29	1,511	8.84	227	1.33	20	0.12	20	0.12
Lalo Asabi	3,190	29.25	5,131	47.05	2,165	19.85	345	3.16	47	0.43	28	0.26
Boji	4,210	27.72	7,724	50.86	2,727	17.95	353	2.32	90	0.59	84	0.55
Ayra Guliso	5,017	30.65	8,376	51.16	2,489	15.20	409	2.50	39	0.24	41	0.25
Jarso	5,968	36.86	8,709	53.79	1,295	8.00	88	0.54	87	0.54	43	0.27
Gidami	764	5.60	6,352	46.58	4,548	33.35	1,213	8.90	521	3.82	238	1.75
Jimma Horo	1,807	26.31	3,238	47.14	1,480	21.55	226	3.29	94	1.37	24	0.35
Hawa Welel	2,963	17.11	9,690	55.96	3,799	21.94	652	3.77	169	0.98	42	0.24
Gawo Dale	3,472	14.58	12,401	52.06	5,811	24.40	1,471	6.18	416	1.75	249	1.05
Dale Sadi	2,410	21.68	5,778	51.97	2,271	20.43	344	3.09	249	2.24	65	0.58
Yubdo	731	12.96	2,936	52.06	1,511	26.79	304	5.39	85	1.51	73	1.29
Ganji	2,729	28.39	4,361	45.38	1,993	20.74	419	4.36	82	0.85	27	0.28
Haru	7,417	64.45	3,485	30.28	490	4.26	116	1.01	-	-	-	-
Nole Kaba	6,896	29.49	12,095	51.71	3,734	15.97	604	2.58	26	0.11	33	0.14
Lalo Kilie	1,638	20.73	4,501	56.97	1,499	18.97	193	2.44	59	0.75	10	0.13
Sayo	2,578	12.99	9,503	47.89	5,623	28.34	1,553	7.83	333	1.68	254	1.28
Anfilo	1,949	16.45	2,321	19.59	4,129	34.85	1,663	14.04	977	8.25	809	6.83
Begi	5,984	19.47	11,801	38.40	9,013	29.33	2,986	9.72	650	2.11	300	0.98
East Welega Zone	132,277	50.70	103,616	39.72	20,917	8.02	3,295	1.26	585	0.22	203	0.08
Limu	4,849	23.44	12,203	58.98	2,925	14.14	556	2.69	112	0.54	45	0.22
Ibantu	1,066	20.96	2,951	58.01	874	17.18	169	3.32	20	0.39	7	0.14
Gida Kiremu	7,016	31.65	12,217	55.11	2,366	10.67	373	1.68	139	0.63	57	0.26
Jarte	4,082	55.44	3,036	41.23	185	2.51	60	0.81	-	-	-	-
Amuru	3,465	44.77	3,735	48.26	506	6.54	33	0.43	-	-	-	-
Abe Dongoro	2,488	26.27	5,227	55.20	1,522	16.07	213	2.25	11	0.12	9	0.10
Jimma Horo	11,899	49.53	11,408	47.49	692	2.88	24	0.10	-	-	-	-
Abay Chomen	3,423	72.60	1,189	25.22	103	2.18	-	-	-	-	-	-
Guduru	19,273	89.56	2,093	9.73	154	0.72	-	-	-	-	-	-
Jimma Rare	5,738	74.15	1,864	24.09	126	1.63	10	0.13	-	-	-	-
Bila Seyo	5,016	37.24	6,978	51.80	1,264	9.38	195	1.45	-	-	17	0.13
Sibu Sire	4,037	26.55	8,518	56.03	2,358	15.51	260	1.71	30	0.20	-	-
Guto Wayu	10,088	35.41	13,341	46.83	4,271	14.99	657	2.31	103	0.36	27	0.09
Sasiga	3,347	29.50	5,418	47.75	2,057	18.13	408	3.60	103	0.91	13	0.11
Leka Dulecha	8,979	85.07	1,311	12.42	182	1.72	83	0.79	-	-	-	-
Diga	6,920	58.31	3,921	33.04	756	6.37	206	1.74	50	0.42	15	0.13
Jimma Arjo	11,380	85.35	1,721	12.91	232	1.74	-	-	-	-	-	-
Nunu Kumba	9,493	90.95	851	8.15	68	0.65	13	0.12	-	-	13	0.12
Wama Bonaya	9,713	61.95	5,635	35.94	277	1.77	36	0.23	19	0.12	-	-
Illibabor Zone	31,847	16.31	110,413	56.54	43,398	22.22	7,201	3.69	1,543	0.79	885	0.45
Darimu	4,350	19.49	13,816	61.89	3,734	16.73	336	1.51	27	0.12	61	0.27
Supena Sodo	1,379	10.50	7,894	60.08	3,219	24.50	494	3.76	84	0.64	69	0.53
Chora	2,012	10.29	11,421	58.41	4,843	24.77	997	5.10	151	0.77	130	0.66
Dega	3,048	29.91	6,064	59.50	903	8.86	147	1.44	15	0.15	14	0.14
Bedele	5,545	27.03	11,345	55.31	3,168	15.44	394	1.92	61	0.30	-	-
Gechi	1,897	17.41	6,477	59.46	2,246	20.62	231	2.12	28	0.26	14	0.13
Borecha Wereda	1,726	19.11	5,390	59.69	1,623	17.97	207	2.29	59	0.65	25	0.28
Dedesa	2,986	21.28	8,271	58.94	2,230	15.89	384	2.74	79	0.56	83	0.59
yayu	2,034	10.59	9,245	48.15	6,093	31.73	1,420	7.40	187	0.97	222	1.16
Metu	2,211	9.76	12,027	53.10	6,807	30.05	1,018	4.49	433	1.91	155	0.68

Table 8.2B:- Number of Crop Holders that Owned 'Gejera' by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No 'Gejera'		One 'Gejera'		Two 'Gejeras'		Three 'Gejeras'		Four 'Gejeras'		Five and above 'Gejeras'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	2,188	12.61	10,027	57.77	4,195	24.17	716	4.13	212	1.22	18	0.10
Bure	1,602	13.36	6,361	53.04	3,162	26.37	601	5.01	190	1.58	76	0.63
Nono	870	19.72	2,075	47.04	1,175	26.64	255	5.78	18	0.41	18	0.41
Jimma Zone	182,912	41.26	223,571	50.43	32,341	7.30	3,185	0.72	856	0.19	450	0.10
Limu Seka	11,147	38.12	15,179	51.90	2,750	9.40	125	0.43	44	0.15	-	-
Limu Kosa	11,280	24.56	26,394	57.48	6,259	13.63	1,431	3.12	448	0.98	109	0.24
Sokoru	20,122	78.64	5,073	19.83	324	1.27	67	0.26	-	-	-	-
Tiro Afeta	13,128	54.39	10,426	43.20	386	1.60	162	0.67	33	0.14	-	-
Kersa	12,496	42.40	14,782	50.15	1,921	6.52	125	0.42	110	0.37	40	0.14
Mana	8,721	31.35	16,168	58.12	2,600	9.35	289	1.04	38	0.14	-	-
Goma	10,407	21.01	30,919	62.43	7,368	14.88	664	1.34	41	0.08	124	0.25
Gera	2,971	14.28	15,314	73.61	2,306	11.08	48	0.23	53	0.25	111	0.53
Seka chekorsa	19,741	34.99	32,637	57.84	3,696	6.55	216	0.38	66	0.12	66	0.12
Dedo	24,650	45.62	26,984	49.94	2,401	4.44	-	-	-	-	-	-
Omonada	33,793	73.51	10,858	23.62	1,262	2.75	59	0.13	-	-	-	-
Sigmo	6,423	39.82	9,264	57.43	445	2.76	-	-	-	-	-	-
Setema	8,027	43.99	9,574	52.46	624	3.42	-	-	24	0.13	-	-
West Shewa Zone	419,055	83.38	77,397	15.40	5,641	1.12	266	0.05	106	0.02	126	0.03
Ginde Beret	33,361	99.20	269	0.80	-	-	-	-	-	-	-	-
Jeldu	30,663	90.99	2,808	8.33	135	0.40	45	0.13	-	-	50	0.15
Ambo	29,000	72.28	10,603	26.43	519	1.29	-	-	-	-	-	-
Cheliya	26,299	71.06	9,318	25.18	1,308	3.53	43	0.12	43	0.12	-	-
Bako Tibe	12,605	65.01	5,911	30.49	730	3.77	72	0.37	47	0.24	24	0.12
Dano	6,587	42.38	7,910	50.89	994	6.39	37	0.24	16	0.10	-	-
Nono	12,317	53.23	9,864	42.63	904	3.91	55	0.24	-	-	-	-
Tikur	6,299	50.01	6,093	48.37	190	1.51	14	0.11	-	-	-	-
Amaya	15,715	71.62	5,969	27.20	259	1.18	-	-	-	-	-	-
Wonchi	15,119	86.87	2,264	13.01	22	0.13	-	-	-	-	-	-
Dendi	30,326	81.73	6,521	17.57	259	0.70	-	-	-	-	-	-
Ejerie	14,912	97.98	289	1.90	18	0.12	-	-	-	-	-	-
Adda Berga	18,649	96.62	653	3.38	-	-	-	-	-	-	-	-
Walmara	16,373	95.90	674	3.95	26	0.15	-	-	-	-	-	-
Alem Gana	19,687	95.54	920	4.46	-	-	-	-	-	-	-	-
Kersana Kondaltiti	20,712	93.93	1,339	6.07	-	-	-	-	-	-	-	-
Tole	10,234	98.39	155	1.49	12	0.12	-	-	-	-	-	-
Elu	10,196	98.47	158	1.53	-	-	-	-	-	-	-	-
Dawo	12,593	96.37	475	3.63	-	-	-	-	-	-	-	-
Walisona Goro	32,579	91.43	2,866	8.04	136	0.38	-	-	-	-	52	0.15
Becho	10,960	97.04	320	2.83	14	0.12	-	-	-	-	-	-
Kokir	10,569	85.50	1,677	13.57	116	0.94	-	-	-	-	-	-
Meta Robi	23,296	98.55	343	1.45	-	-	-	-	-	-	-	-
North Shewa(Oromia) Zone	235,012	99.16	1,759	0.74	240	0.10	-	-	-	-	-	-
Wara Jarso	24,853	99.38	122	0.49	34	0.14	-	-	-	-	-	-
Dera	34,905	99.63	130	0.37	-	-	-	-	-	-	-	-
Hidabu Abote	15,606	98.25	243	1.53	35	0.22	-	-	-	-	-	-
Kuyu	20,038	99.74	52	0.26	-	-	-	-	-	-	-	-
Degem	17,692	98.64	196	1.09	48	0.27	-	-	-	-	-	-
Gerar Jarso	13,097	99.50	66	0.50	-	-	-	-	-	-	-	-
Yaya Gulelena Debre	16,350	98.70	216	1.30	-	-	-	-	-	-	-	-
Wuchalena Jido	21,899	99.46	59	0.27	59	0.27	-	-	-	-	-	-
Abichuna Gna'a	11,768	99.16	100	0.84	-	-	-	-	-	-	-	-
Kembibit	10,730	98.80	130	1.20	-	-	-	-	-	-	-	-
Berehna Aleltu	24,586	99.24	161	0.65	27	0.11	-	-	-	-	-	-
Mulona Sululta	23,489	98.65	285	1.20	36	0.15	-	-	-	-	-	-

Table 8.2B:- Number of Crop Holders that Owned 'Gejera' by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No 'Gejera'		One 'Gejera'		Two 'Gejeras'		Three 'Gejeras'		Four 'Gejeras'		Five and above 'Gejeras'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	270,583	85.91	42,502	13.49	1,802	0.57	33	0.01	-	-	46	0.01
Fentale	5,351	80.14	1,197	17.93	129	1.93	-	-	-	-	-	-
Boset	23,651	95.22	1,186	4.78	-	-	-	-	-	-	-	-
Adama	23,019	85.55	3,806	14.15	81	0.30	-	-	-	-	-	-
Lome	13,949	95.78	615	4.22	-	-	-	-	-	-	-	-
Gimbichu	15,536	99.79	33	0.21	-	-	-	-	-	-	-	-
Ada'a Liben Chukala	38,778	96.52	1,398	3.48	-	-	-	-	-	-	-	-
Dugda Bora	23,078	80.01	5,458	18.92	229	0.79	33	0.11	-	-	46	0.16
Adami Tullu Jido	21,265	89.37	2,480	10.42	49	0.21	-	-	-	-	-	-
Arsi Negele	21,107	79.40	5,362	20.17	115	0.43	-	-	-	-	-	-
Shashemene	31,375	68.05	13,774	29.87	959	2.08	-	-	-	-	-	-
Seraro	40,937	84.92	7,030	14.58	242	0.50	-	-	-	-	-	-
Akaki	12,536	98.74	160	1.26	-	-	-	-	-	-	-	-
Arsi Zone	414,683	84.11	74,051	15.02	3,953	0.80	241	0.05	36	0.01	43	0.01
Merti	17,521	77.02	4,920	21.63	252	1.11	57	0.25	-	-	-	-
Aseko	13,036	90.55	1,229	8.54	131	0.91	-	-	-	-	-	-
Gololcha	19,629	67.27	8,369	28.68	1,032	3.54	112	0.38	36	0.12	-	-
Jeju	19,975	89.91	2,242	10.09	-	-	-	-	-	-	-	-
Dodotana Sire	21,283	92.99	1,513	6.61	91	0.40	-	-	-	-	-	-
Zeway Dugda	17,344	81.81	3,710	17.50	146	0.69	-	-	-	-	-	-
Hitosa	35,330	90.06	3,790	9.66	73	0.19	36	0.09	-	-	-	-
Sude	22,694	88.99	2,679	10.51	128	0.50	-	-	-	-	-	-
Chole	10,692	67.17	5,014	31.50	212	1.33	-	-	-	-	-	-
Amigna	8,286	74.14	2,605	23.31	273	2.44	12	0.11	-	-	-	-
Seru	13,104	71.98	4,824	26.50	254	1.40	23	0.13	-	-	-	-
Robe	25,279	93.41	1,783	6.59	-	-	-	-	-	-	-	-
Tena	18,319	88.57	2,241	10.83	124	0.60	-	-	-	-	-	-
Sherka	19,918	75.43	6,260	23.71	227	0.86	-	-	-	-	-	-
Digeluna Tijo	21,805	98.30	376	1.70	-	-	-	-	-	-	-	-
Tiyo	14,627	91.54	1,298	8.12	53	0.33	-	-	-	-	-	-
Munesa	31,192	88.69	3,935	11.19	44	0.13	-	-	-	-	-	-
Bekoji	32,670	90.76	3,147	8.74	178	0.49	-	-	-	-	-	-
Gedeb	24,063	96.84	744	2.99	40	0.16	-	-	-	-	-	-
Kofele	27,916	66.42	13,374	31.82	695	1.65	-	-	-	-	43	0.10
West Harerge Zone	273,399	93.84	16,392	5.63	1,526	0.52	10	0.00	29	0.01	-	-
Mieso	15,540	94.76	850	5.18	-	-	10	0.06	-	-	-	-
Doba	22,439	98.55	299	1.31	30	0.13	-	-	-	-	-	-
Tulo	24,186	99.41	143	0.59	-	-	-	-	-	-	-	-
Mesela	23,739	91.87	1,589	6.15	512	1.98	-	-	-	-	-	-
Chiro	61,194	98.12	1,104	1.77	70	0.11	-	-	-	-	-	-
Goba Koricha	18,199	90.93	1,563	7.81	223	1.11	-	-	29	0.14	-	-
Anchar	10,942	81.47	2,422	18.03	66	0.49	-	-	-	-	-	-
Habro	28,644	94.27	1,664	5.48	78	0.26	-	-	-	-	-	-
Darolebu	23,297	86.36	3,517	13.04	164	0.61	-	-	-	-	-	-
Boke	21,958	99.16	186	0.84	-	-	-	-	-	-	-	-
Kuni	23,263	87.12	3,056	11.45	382	1.43	-	-	-	-	-	-
East Harerge Zone	382,197	98.71	4,586	1.18	410	0.11	-	-	-	-	-	-
Kombolcha	20,364	98.33	346	1.67	-	-	-	-	-	-	-	-
Jarso	16,866	98.91	164	0.96	22	0.13	-	-	-	-	-	-
Gursum	25,503	99.75	64	0.25	-	-	-	-	-	-	-	-
Babile	10,002	97.70	214	2.09	21	0.21	-	-	-	-	-	-
Fedis	24,542	99.91	-	-	23	0.09	-	-	-	-	-	-
Haro Maya	31,309	99.70	95	0.30	-	-	-	-	-	-	-	-
Kurfa Chele	7,081	99.42	32	0.45	9	0.13	-	-	-	-	-	-
Kersa	27,189	98.00	518	1.87	38	0.14	-	-	-	-	-	-

Table 8.2B:- Number of Crop Holders that Owned 'Gejera' by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No 'Gejera'		One 'Gejera'		Two 'Gejeras'		Three 'Gejeras'		Four 'Gejeras'		Five and above 'Gejeras'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	43,136	98.54	639	1.46	-	-	-	-	-	-	-	-
Goro Gutu	25,342	98.54	376	1.46	-	-	-	-	-	-	-	-
Deder	37,635	98.35	537	1.40	93	0.24	-	-	-	-	-	-
Malka Balo	24,626	98.78	274	1.10	30	0.12	-	-	-	-	-	-
Bedeno	42,979	99.13	252	0.58	125	0.29	-	-	-	-	-	-
Girawa	37,774	97.14	1,074	2.76	38	0.10	-	-	-	-	-	-
Gola Oda	7,850	99.86	-	-	11	0.14	-	-	-	-	-	-
Bale Zone	129,310	49.92	115,258	44.49	12,602	4.86	1,348	0.52	379	0.15	161	0.06
Kokosa	7,483	32.01	13,684	58.54	2,054	8.79	110	0.47	-	-	44	0.19
Dodola	16,160	68.33	7,083	29.95	407	1.72	-	-	-	-	-	-
Adaba	16,805	84.63	2,867	14.44	184	0.93	-	-	-	-	-	-
Agarfa	7,494	57.01	5,419	41.22	233	1.77	-	-	-	-	-	-
Gasera	7,661	63.38	4,225	34.95	202	1.67	-	-	-	-	-	-
Gololcha	8,421	56.46	6,311	42.32	182	1.22	-	-	-	-	-	-
Legehida	6,408	79.17	1,618	19.99	47	0.58	10	0.12	11	0.14	-	-
Ginir	10,538	48.67	10,659	49.23	429	1.98	-	-	27	0.12	-	-
Sinanana Dinsho	17,560	70.27	7,330	29.33	98	0.39	-	-	-	-	-	-
Goba	2,602	36.22	4,278	59.56	303	4.22	-	-	-	-	-	-
Mennana Arena Buluk	4,642	24.18	12,928	67.34	1,474	7.68	129	0.67	25	0.13	-	-
Nensebo	1,073	7.57	6,934	48.94	4,820	34.02	926	6.54	306	2.16	110	0.78
Meda Welabu	4,311	34.33	7,762	61.81	443	3.53	41	0.33	-	-	-	-
Berbere	3,939	38.57	5,286	51.76	881	8.63	98	0.96	9	0.09	-	-
Guradamole	1,030	24.76	3,024	72.69	94	2.26	12	0.29	-	-	-	-
Goro	4,322	27.12	10,997	69.02	593	3.72	22	0.14	-	-	-	-
Raytu	3,776	61.22	2,319	37.60	65	1.05	-	-	-	-	8	0.13
Seweyna	5,085	65.94	2,533	32.85	93	1.21	-	-	-	-	-	-
Borena Zone	89,660	31.67	105,311	37.20	62,060	21.92	16,106	5.69	6,858	2.42	3,109	1.10
Uraga	2,186	5.13	19,542	45.85	15,940	37.40	2,945	6.91	1,304	3.06	706	1.66
Bore	4,693	15.42	17,551	57.67	6,877	22.60	950	3.12	310	1.02	52	0.17
Adolana Wadera	3,147	13.91	14,398	63.66	4,073	18.01	706	3.12	240	1.06	52	0.23
Odo Shakiso	575	4.10	6,308	45.01	4,764	33.99	1,493	10.65	539	3.85	336	2.40
Hager Mariam	28,922	33.58	21,411	24.86	22,122	25.69	8,103	9.41	3,817	4.43	1,741	2.02
Yabelo	7,721	76.59	2,143	21.26	217	2.15	-	-	-	-	-	-
Arero	2,519	75.62	725	21.77	71	2.13	16	0.48	-	-	-	-
Liben	10,881	73.30	3,579	24.11	337	2.27	47	0.32	-	-	-	-
Moyale	4,625	43.08	5,227	48.69	765	7.13	119	1.11	-	-	-	-
Dire	9,244	67.38	4,105	29.92	275	2.00	95	0.69	-	-	-	-
Teltele	6,987	94.92	374	5.08	-	-	-	-	-	-	-	-
Gelana Abaya	8,161	29.97	9,948	36.53	6,619	24.31	1,632	5.99	647	2.38	222	0.82

Table 8.3B:- Number of Crop Holders that Owned Shovel by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No Shovel		One Shovel		Two Shovels		Three Shovels		Four Shovels		Five and above Shovels	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	2,767,025	69.49	1,058,593	26.59	135,557	3.40	16,079	0.40	3,012	0.08	1,438	0.04
West Welega Zone	266,531	84.90	46,174	14.71	1,148	0.37	45	0.01	25	0.01	-	-
Mana Sibu	21,339	78.97	5,527	20.45	156	0.58	-	-	-	-	-	-
Nejo	14,874	83.02	3,042	16.98	-	-	-	-	-	-	-	-
Gimbi	15,103	88.34	1,947	11.39	46	0.27	-	-	-	-	-	-
Lalo Asabi	9,481	86.93	1,340	12.29	85	0.78	-	-	-	-	-	-
Boji	12,087	79.58	3,009	19.81	92	0.61	-	-	-	-	-	-
Ayra Guliso	13,924	85.05	2,386	14.57	40	0.24	-	-	21	0.13	-	-
Jarso	12,876	79.53	3,292	20.33	22	0.14	-	-	-	-	-	-
Gidami	11,414	83.70	2,195	16.10	27	0.20	-	-	-	-	-	-
Jimma Horo	5,881	85.62	977	14.22	11	0.16	-	-	-	-	-	-
Hawa Welel	14,811	85.54	2,456	14.18	48	0.28	-	-	-	-	-	-
Gawo Dale	19,587	82.23	4,064	17.06	169	0.71	-	-	-	-	-	-
Dale Sadi	9,890	88.96	1,193	10.73	34	0.31	-	-	-	-	-	-
Yubdo	4,867	86.29	737	13.07	36	0.64	-	-	-	-	-	-
Ganji	8,523	88.68	1,041	10.83	31	0.32	16	0.17	-	-	-	-
Haru	10,439	90.71	1,054	9.16	-	-	15	0.13	-	-	-	-
Nole Kaba	21,286	91.01	2,012	8.60	90	0.38	-	-	-	-	-	-
Lalo Kilie	7,030	88.99	860	10.89	10	0.13	-	-	-	-	-	-
Sayo	16,849	84.91	2,946	14.85	49	0.25	-	-	-	-	-	-
Anfilo	9,178	77.46	2,554	21.56	97	0.82	14	0.12	5	0.04	-	-
Begi	27,089	88.14	3,542	11.52	103	0.34	-	-	-	-	-	-
East Welega Zone	222,814	85.40	37,280	14.29	679	0.26	52	0.02	37	0.01	31	0.01
Limu	17,850	86.27	2,840	13.73	-	-	-	-	-	-	-	-
Ibantu	4,333	85.18	714	14.04	33	0.65	7	0.14	-	-	-	-
Gida Kiremu	19,308	87.10	2,832	12.78	-	-	28	0.13	-	-	-	-
Jarte	6,335	86.04	1,028	13.96	-	-	-	-	-	-	-	-
Amuru	6,656	86.01	1,061	13.71	22	0.28	-	-	-	-	-	-
Abe Dongoro	8,118	85.72	1,339	14.14	13	0.14	-	-	-	-	-	-
Jimma Horo	20,218	84.16	3,729	15.52	76	0.32	-	-	-	-	-	-
Abay Chomen	3,881	82.31	795	16.86	39	0.83	-	-	-	-	-	-
Guduru	18,845	87.57	2,617	12.16	58	0.27	-	-	-	-	-	-
Jimma Rare	6,377	82.41	1,350	17.45	11	0.14	-	-	-	-	-	-
Bila Seyo	11,502	85.39	1,909	14.17	59	0.44	-	-	37	0.24	18	0.12
Sibu Sire	12,912	84.93	2,152	14.16	84	0.55	-	-	-	-	-	-
Guto Wayu	23,321	81.87	5,046	17.71	120	0.42	-	-	-	-	-	-
Sasiga	9,272	81.72	2,033	17.92	23	0.20	18	0.16	-	-	-	-
Leka Dulecha	8,912	84.43	1,617	15.32	26	0.25	-	-	-	-	13	0.11
Diga	9,488	79.95	2,276	19.18	91	0.77	-	-	-	-	-	-
Jimma Arjo	11,989	89.92	1,344	10.08	-	-	-	-	-	-	-	-
Nunu Kumba	9,646	92.41	766	7.34	26	0.25	-	-	-	-	-	-
Wama Bonaya	13,849	88.32	1,831	11.68	-	-	-	-	-	-	-	-
Illibabor Zone	163,447	83.70	30,597	15.67	1,159	0.59	84	0.04	-	-	-	-
Darimu	20,339	91.11	1,894	8.48	91	0.41	-	-	-	-	-	-
Supena Sodo	11,453	87.17	1,666	12.68	-	-	20	0.15	-	-	-	-
Chora	16,905	86.45	2,551	13.05	75	0.38	23	0.12	-	-	-	-
Dega	8,885	87.18	1,295	12.71	11	0.11	-	-	-	-	-	-
Bedele	18,031	87.90	2,408	11.74	74	0.36	-	-	-	-	-	-
Gechi	9,786	89.84	1,107	10.16	-	-	-	-	-	-	-	-
Borecha Wereda	8,418	93.22	586	6.49	26	0.29	-	-	-	-	-	-
Dedesa	11,556	82.35	2,416	17.22	61	0.43	-	-	-	-	-	-
yayu	14,634	76.21	4,230	22.03	310	1.61	27	0.14	-	-	-	-
Metu	16,572	73.16	5,733	25.31	346	1.53	-	-	-	-	-	-

Table 8.3B:- Number of Crop Holders that Owned Shovel by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No Shovel		One Shovel		Two Shovels		Three Shovels		Four Shovels		Five and above Shovels	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	13,492	77.74	3,825	22.04	39	0.22	-	-	-	-	-	-
Bure	9,411	78.48	2,440	20.35	126	1.05	15	0.13	-	-	-	-
Nono	3,964	89.87	447	10.13	-	-	-	-	-	-	-	-
Jimma Zone	384,268	86.68	57,289	12.92	1,425	0.32	239	0.05	-	-	94	0.02
Limu Seka	27,720	94.79	1,525	5.21	-	-	-	-	-	-	-	-
Limu Kosa	40,378	87.93	5,493	11.96	-	-	50	0.11	-	-	-	-
Sokoru	21,489	83.99	3,992	15.60	105	0.41	-	-	-	-	-	-
Tiro Afeta	21,053	87.23	2,962	12.27	90	0.37	30	0.12	-	-	-	-
Kersa	25,475	86.43	3,881	13.17	118	0.40	-	-	-	-	-	-
Mana	23,243	83.56	4,464	16.05	109	0.39	-	-	-	-	-	-
Goma	40,435	81.65	8,903	17.98	185	0.37	-	-	-	-	-	-
Gera	17,708	85.12	2,971	14.28	98	0.47	-	-	-	-	26	0.12
Seka chekorsa	49,856	88.36	6,146	10.89	279	0.49	73	0.13	-	-	68	0.12
Dedo	44,911	83.11	8,822	16.33	242	0.45	60	0.11	-	-	-	-
Omonada	40,540	88.18	5,272	11.47	134	0.29	26	0.06	-	-	-	-
Sigmo	14,863	92.13	1,269	7.87	-	-	-	-	-	-	-	-
Setema	16,594	90.93	1,589	8.71	66	0.36	-	-	-	-	-	-
West Shewa Zone	397,061	79.00	103,070	20.51	2,344	0.47	72	0.01	23	0.00	21	0.00
Ginde Beret	28,807	85.66	4,646	13.82	177	0.53	-	-	-	-	-	-
Jeldu	28,801	85.46	4,811	14.28	89	0.26	-	-	-	-	-	-
Ambo	29,835	74.36	10,057	25.07	230	0.57	-	-	-	-	-	-
Cheliya	31,215	84.34	5,661	15.30	135	0.36	-	-	-	-	-	-
Bako Tibe	15,730	81.13	3,490	18.00	148	0.76	-	-	-	-	21	0.11
Dano	13,867	89.21	1,601	10.30	76	0.49	-	-	-	-	-	-
Nono	18,322	79.18	4,687	20.25	131	0.57	-	-	-	-	-	-
Tikur	8,217	65.23	4,317	34.27	62	0.49	-	-	-	-	-	-
Amaya	18,015	82.10	3,873	17.65	55	0.25	-	-	-	-	-	-
Wonchi	10,705	61.51	6,637	38.13	63	0.36	-	-	-	-	-	-
Dendi	29,507	79.52	7,599	20.48	-	-	-	-	-	-	-	-
Ejerie	12,509	82.19	2,710	17.81	-	-	-	-	-	-	-	-
Adda Berga	16,321	84.56	2,981	15.44	-	-	-	-	-	-	-	-
Walmara	12,088	70.80	4,885	28.61	100	0.59	-	-	-	-	-	-
Alem Gana	15,382	74.64	4,911	23.83	288	1.40	26	0.13	-	-	-	-
Kersana Kondaltiti	17,029	77.23	4,934	22.38	88	0.40	-	-	-	-	-	-
Tole	9,186	88.32	1,215	11.68	-	-	-	-	-	-	-	-
Elu	8,937	86.31	1,405	13.57	12	0.12	-	-	-	-	-	-
Dawo	11,830	90.53	1,238	9.47	-	-	-	-	-	-	-	-
Walisona Goro	22,138	62.13	12,968	36.39	481	1.35	46	0.13	-	-	-	-
Becho	9,492	84.04	1,733	15.34	69	0.61	-	-	-	-	-	-
Kokir	8,426	68.16	3,827	30.96	86	0.70	-	-	23	0.19	-	-
Meta Robi	20,701	87.57	2,883	12.20	55	0.23	-	-	-	-	-	-
North Shewa(Oromia) Zone	191,927	80.98	43,932	18.54	1,074	0.45	64	0.03	-	-	14	0.01
Wara Jarso	22,657	90.60	2,173	8.69	145	0.58	34	0.14	-	-	-	-
Dera	32,222	91.97	2,691	7.68	122	0.35	-	-	-	-	-	-
Hidabu Abote	15,040	94.69	826	5.20	18	0.11	-	-	-	-	-	-
Kuyu	18,749	93.33	1,341	6.67	-	-	-	-	-	-	-	-
Degem	15,602	86.99	2,310	12.88	24	0.13	-	-	-	-	-	-
Gerar Jarso	10,139	77.03	2,978	22.62	32	0.24	-	-	-	-	14	0.11
Yaya Gulelena Debre	13,920	84.03	2,554	15.42	92	0.56	-	-	-	-	-	-
Wuchalena Jido	16,366	74.33	5,590	25.39	61	0.28	-	-	-	-	-	-
Abichuna Gna'a	8,723	73.50	3,070	25.87	75	0.63	-	-	-	-	-	-
Kembibit	7,130	65.65	3,599	33.14	101	0.93	30	0.28	-	-	-	-
Berehna Aleltu	16,350	66.00	8,195	33.08	229	0.92	-	-	-	-	-	-
Mulona Sululta	15,030	63.12	8,606	36.14	174	0.73	-	-	-	-	-	-

Table 8.3B:- Number of Crop Holders that Owned Shovel by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No Shovel		One Shovel		Two Shovels		Three Shovels		Four Shovels		Five and above Shovels	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	250,237	79.45	61,315	19.47	3,121	0.99	266	0.08	27	0.01	-	-
Fentale	5,156	77.22	1,230	18.42	229	3.43	62	0.93	-	-	-	-
Boset	19,431	78.23	5,217	21.00	166	0.67	23	0.09	-	-	-	-
Adama	17,466	64.91	8,862	32.94	555	2.06	23	0.09	-	-	-	-
Lome	7,893	54.20	6,441	44.23	212	1.46	18	0.12	-	-	-	-
Gimbichu	11,756	75.51	3,744	24.05	69	0.44	-	-	-	-	-	-
Ada'a Liben Chukala	29,469	73.35	10,172	25.32	535	1.33	-	-	-	-	-	-
Dugda Bora	23,585	81.77	5,001	17.34	198	0.69	33	0.11	27	0.09	-	-
Adami Tullu Jido	19,502	81.96	3,958	16.63	278	1.17	56	0.24	-	-	-	-
Arsi Negele	23,162	87.13	3,316	12.47	106	0.40	-	-	-	-	-	-
Shashemene	40,450	87.73	5,283	11.46	324	0.70	51	0.11	-	-	-	-
Seraro	43,435	90.10	4,476	9.28	298	0.62	-	-	-	-	-	-
Akaki	8,930	70.34	3,617	28.49	149	1.17	-	-	-	-	-	-
Arsi Zone	383,299	77.75	100,165	20.32	8,358	1.70	983	0.20	36	0.01	166	0.03
Merti	14,169	62.28	6,889	30.28	1,292	5.68	303	1.33	-	-	97	0.43
Aseko	7,541	52.38	5,533	38.43	1,063	7.38	202	1.40	36	0.25	21	0.15
Gololcha	6,168	21.14	19,445	66.64	3,240	11.10	325	1.11	-	-	-	-
Jeju	17,430	78.45	4,437	19.97	326	1.47	-	-	-	-	24	0.11
Dodotana Sire	18,700	81.71	4,042	17.66	120	0.52	25	0.11	-	-	-	-
Zeway Dugda	17,523	82.66	3,490	16.46	162	0.76	-	-	-	-	25	0.12
Hitosa	30,907	78.79	7,785	19.85	494	1.26	43	0.11	-	-	-	-
Sude	24,109	94.54	1,344	5.27	48	0.19	-	-	-	-	-	-
Chole	11,180	70.23	4,521	28.40	202	1.27	15	0.09	-	-	-	-
Amigna	9,081	81.25	1,920	17.18	137	1.23	38	0.34	-	-	-	-
Seru	15,530	85.31	2,451	13.46	224	1.23	-	-	-	-	-	-
Robe	25,664	94.83	1,269	4.69	129	0.48	-	-	-	-	-	-
Tena	18,199	87.99	2,356	11.39	129	0.62	-	-	-	-	-	-
Sherka	23,822	90.22	2,439	9.24	112	0.42	32	0.12	-	-	-	-
Digeluna Tijo	18,054	81.39	4,069	18.34	58	0.26	-	-	-	-	-	-
Tiyo	12,180	76.23	3,719	23.28	79	0.49	-	-	-	-	-	-
Munesa	30,246	86.00	4,806	13.66	119	0.34	-	-	-	-	-	-
Bekoji	29,636	82.33	6,282	17.45	77	0.21	-	-	-	-	-	-
Gedeb	18,617	74.93	6,129	24.67	101	0.41	-	-	-	-	-	-
Kofele	34,542	82.19	7,241	17.23	245	0.58	-	-	-	-	-	-
West Harerge Zone	40,718	13.98	196,051	67.29	46,802	16.06	5,849	2.01	1,424	0.49	512	0.18
Mieso	6,821	41.59	8,646	52.72	814	4.96	119	0.73	-	-	-	-
Doba	1,871	8.22	15,279	67.11	4,654	20.44	682	3.00	121	0.53	161	0.71
Tulo	2,001	8.22	17,982	73.91	3,787	15.57	489	2.01	36	0.15	34	0.14
Mesela	2,270	8.78	16,494	63.83	6,121	23.69	685	2.65	205	0.79	65	0.25
Chiro	6,909	11.08	42,728	68.51	11,238	18.02	938	1.50	555	0.89	-	-
Goba Koricha	3,735	18.66	12,171	60.81	3,398	16.98	560	2.80	150	0.75	-	-
Anchar	4,957	36.91	7,144	53.19	1,051	7.83	236	1.76	12	0.09	30	0.22
Habro	3,231	10.63	20,289	66.77	5,447	17.93	1,076	3.54	236	0.78	107	0.35
Darolebu	3,302	12.24	20,448	75.80	2,747	10.18	402	1.49	-	-	79	0.29
Boke	3,507	15.84	15,968	72.11	2,310	10.43	307	1.39	52	0.23	-	-
Kuni	2,116	7.92	18,902	70.79	5,234	19.60	355	1.33	57	0.21	37	0.14
East Harerge Zone	46,583	12.03	271,875	70.22	59,441	15.35	7,366	1.90	1,375	0.36	553	0.14
Kombolcha	998	4.82	14,512	70.07	4,311	20.82	729	3.52	47	0.23	113	0.55
Jarso	2,065	12.11	11,325	66.41	2,890	16.95	576	3.38	136	0.80	60	0.35
Gursum	2,383	9.32	18,284	71.51	4,105	16.06	619	2.42	131	0.51	45	0.18
Babile	2,846	27.80	5,515	53.87	1,568	15.32	295	2.88	13	0.13	-	-
Fedis	3,213	13.08	16,636	67.72	3,898	15.87	613	2.50	103	0.42	102	0.42
Haro Maya	993	3.16	18,674	59.46	9,194	29.28	1,822	5.80	620	1.97	101	0.32
Kurfa Chele	1,595	22.40	5,058	71.02	429	6.02	20	0.28	20	0.28	-	-
Kersa	2,070	7.46	21,224	76.50	3,943	14.21	389	1.40	89	0.32	30	0.11

Table 8.3B:- Number of Crop Holders that Owned Shovel by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No Shovel		One Shovel		Two Shovels		Three Shovels		Four Shovels		Five and above Shovels	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	7,893	18.03	31,530	72.03	4,104	9.38	195	0.45	53	0.12	-	-
Goro Gutu	3,281	12.76	15,728	61.16	6,121	23.80	417	1.62	69	0.27	102	0.40
Deder	3,043	7.95	29,445	76.95	5,322	13.91	455	1.19	-	-	-	-
Malka Balo	2,102	8.43	17,800	71.40	4,384	17.59	587	2.35	57	0.23	-	-
Bedeno	6,151	14.19	31,180	71.92	5,609	12.94	416	0.96	-	-	-	-
Girawa	6,441	16.56	29,501	75.87	2,770	7.12	174	0.45	-	-	-	-
Gola Oda	1,509	19.20	5,463	69.49	794	10.10	59	0.75	36	0.46	-	-
Bale Zone	203,578	78.58	50,370	19.44	4,578	1.77	494	0.19	38	0.01	-	-
Kokosa	21,939	93.86	1,404	6.01	32	0.14	-	-	-	-	-	-
Dodola	19,793	83.69	3,808	16.10	49	0.21	-	-	-	-	-	-
Adaba	17,583	88.55	2,168	10.92	105	0.53	-	-	-	-	-	-
Agarfa	10,755	81.81	2,195	16.70	180	1.37	16	0.12	-	-	-	-
Gasera	8,913	73.73	2,851	23.59	324	2.68	-	-	-	-	-	-
Gololcha	7,071	47.41	6,716	45.03	1,020	6.84	107	0.72	-	-	-	-
Legehida	6,242	77.12	1,623	20.05	205	2.53	24	0.30	-	-	-	-
Ginir	13,175	60.85	7,726	35.68	620	2.86	132	0.61	-	-	-	-
Sinanana Dinsho	21,688	86.79	3,236	12.95	35	0.14	29	0.12	-	-	-	-
Goba	6,288	87.54	875	12.18	20	0.28	-	-	-	-	-	-
Mennana Arena Buluk	15,273	79.56	3,383	17.62	482	2.51	30	0.16	30	0.16	-	-
Nensebo	13,263	93.61	862	6.08	12	0.08	32	0.23	-	-	-	-
Meda Welabu	10,260	81.71	2,210	17.60	53	0.42	34	0.27	-	-	-	-
Berbere	8,179	80.08	1,734	16.98	300	2.94	-	-	-	-	-	-
Guradamole	3,997	96.08	134	3.22	29	0.70	-	-	-	-	-	-
Goro	14,423	90.52	1,489	9.34	22	0.14	-	-	-	-	-	-
Raytu	1,860	30.16	3,575	57.96	668	10.83	56	0.91	9	0.15	-	-
Seweyna	2,874	37.27	4,379	56.79	422	5.47	36	0.47	-	-	-	-
Borena Zone	216,563	76.50	60,475	21.36	5,428	1.92	564	0.20	27	0.01	47	0.02
Uraga	35,852	84.11	6,561	15.39	210	0.49	-	-	-	-	-	-
Bore	25,758	84.64	4,280	14.06	379	1.25	16	0.05	-	-	-	-
Adolana Wadera	14,453	63.91	7,587	33.55	535	2.37	41	0.18	-	-	-	-
Odo Shakiso	8,811	62.87	4,842	34.55	312	2.23	30	0.21	20	0.14	-	-
Hager Mariam	69,958	81.24	14,445	16.77	1,522	1.77	191	0.22	-	-	-	-
Yabelo	6,247	61.97	3,282	32.56	531	5.27	21	0.21	-	-	-	-
Arero	2,000	60.04	1,064	31.94	242	7.27	11	0.33	7	0.21	7	0.21
Liben	9,876	66.53	4,750	32.00	162	1.09	56	0.38	-	-	-	-
Moyale	5,608	52.24	4,291	39.97	713	6.64	124	1.15	-	-	-	-
Dire	9,120	66.48	3,975	28.97	583	4.25	41	0.30	-	-	-	-
Teltele	6,494	88.22	846	11.49	21	0.29	-	-	-	-	-	-
Gelana Abaya	22,385	82.21	4,551	16.71	218	0.80	35	0.13	-	-	40	0.15

Table 8.4B: - Number of Crop Holders that Owned Hoe by Geographic area

Geographic area	Number of Crop holders that owned											
	No Hoe		One Hoe		Two Hoes		Three Hoes		Four Hoes		Five and above Hoes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	2,182,613	54.82	1,337,905	33.60	353,522	8.88	75,026	1.88	22,840	0.57	9,798	0.25
West Welega Zone	62,916	20.04	123,165	39.23	90,955	28.97	26,286	8.37	7,750	2.47	2,851	0.91
Mana Sibu	6,584	24.37	9,553	35.35	7,418	27.45	2,267	8.39	862	3.19	338	1.25
Nejo	1,629	9.09	8,634	48.19	5,607	31.30	1,631	9.10	345	1.93	70	0.39
Gimbi	3,120	18.25	5,594	32.72	6,043	35.35	1,729	10.11	430	2.52	180	1.05
Lalo Asabi	1,547	14.18	2,650	24.30	4,076	37.37	1,746	16.01	664	6.09	223	2.04
Boji	2,390	15.74	4,748	31.26	5,729	37.72	1,782	11.73	397	2.61	142	0.93
Ayra Guliso	2,069	12.64	5,619	34.32	6,214	37.96	1,633	9.97	620	3.79	216	1.32
Jarso	3,800	23.47	7,796	48.15	3,492	21.57	789	4.87	253	1.56	60	0.37
Gidami	787	5.77	5,028	36.87	5,553	40.72	1,556	11.41	493	3.62	219	1.61
Jimma Horo	1,314	19.13	3,061	44.56	2,015	29.33	313	4.56	141	2.05	25	0.36
Hawa Welel	6,226	35.96	7,968	46.02	2,573	14.86	462	2.67	20	0.12	66	0.38
Gawo Dale	10,226	42.93	11,432	47.99	1,779	7.47	295	1.24	32	0.13	56	0.24
Dale Sadi	3,370	30.31	5,909	53.15	1,521	13.68	215	1.93	92	0.83	10	0.09
Yubdo	528	9.36	2,107	37.36	2,262	40.11	543	9.63	176	3.12	24	0.43
Ganji	1,750	18.21	3,016	31.38	3,045	31.68	1,149	11.96	443	4.61	208	2.16
Haru	936	8.13	3,684	32.01	4,376	38.03	1,879	16.33	402	3.49	231	2.01
Nole Kaba	4,022	17.20	8,177	34.96	8,361	35.75	1,859	7.95	813	3.48	156	0.67
Lalo Kilie	760	9.62	4,027	50.97	2,533	32.06	471	5.96	80	1.01	29	0.37
Sayo	4,442	22.38	9,214	46.43	4,527	22.81	1,344	6.77	163	0.82	154	0.78
Anfilo	3,834	32.36	5,109	43.12	2,240	18.91	472	3.98	162	1.37	31	0.26
Begi	3,580	11.65	9,837	32.01	11,593	37.72	4,150	13.50	1,162	3.78	412	1.34
East Welega Zone	99,077	37.98	100,499	38.52	44,437	17.03	12,227	4.69	3,414	1.31	1,239	0.47
Limu	8,530	41.23	8,357	40.39	3,016	14.58	644	3.11	143	0.69	-	-
Ibantu	888	17.46	1,923	37.80	1,626	31.96	501	9.85	128	2.52	21	0.41
Gida Kiremu	10,172	45.89	5,830	26.30	4,312	19.45	1,092	4.93	608	2.74	154	0.69
Jarte	2,186	29.69	3,069	41.68	1,485	20.17	457	6.21	120	1.63	46	0.62
Amuru	1,381	17.84	2,597	33.56	2,449	31.64	909	11.75	309	3.99	94	1.21
Abe Dongoro	3,494	36.90	3,512	37.09	1,428	15.08	544	5.74	379	4.00	113	1.19
Jimma Horo	9,312	38.76	9,097	37.87	4,265	17.75	1,115	4.64	175	0.73	59	0.25
Abay Chomen	2,775	58.85	1,334	28.29	462	9.80	113	2.40	24	0.51	7	0.15
Guduru	13,297	61.79	4,852	22.55	2,100	9.76	972	4.52	238	1.11	61	0.28
Jimma Rare	3,827	49.46	2,176	28.12	1,355	17.51	248	3.20	87	1.12	45	0.58
Bila Seyo	3,723	27.64	5,137	38.14	3,387	25.14	975	7.24	136	1.01	112	0.83
Sibu Sire	6,351	41.77	7,078	46.56	1,084	7.13	392	2.58	168	1.11	130	0.86
Guto Wayu	8,229	28.89	14,236	49.97	4,880	17.13	1,026	3.60	116	0.41	-	-
Sasiga	1,409	12.42	5,249	46.26	3,487	30.73	849	7.48	296	2.61	56	0.49
Leka Dulecha	3,485	33.02	5,760	54.57	1,134	10.74	120	1.14	56	0.53	-	-
Diga	1,609	13.56	4,903	41.31	3,658	30.82	1,331	11.22	203	1.71	164	1.38
Jimma Arjo	6,711	50.33	5,146	38.60	1,226	9.20	250	1.88	-	-	-	-
Nunu Kumba	5,048	48.36	4,702	45.05	591	5.66	68	0.65	29	0.28	-	-
Wama Bonaya	6,646	42.39	5,542	35.34	2,493	15.90	622	3.97	201	1.28	176	1.12
Illibabor Zone	39,395	20.17	105,304	53.92	39,732	20.35	7,784	3.99	2,279	1.17	793	0.41
Darimu	2,848	12.76	10,616	47.55	6,768	30.32	1,500	6.72	442	1.98	150	0.67
Supena Sodo	1,228	9.35	5,817	44.27	4,541	34.56	1,074	8.17	375	2.85	104	0.79
Chora	3,460	17.69	11,774	60.21	3,571	18.26	586	3.00	135	0.69	28	0.14
Dega	1,817	17.83	5,266	51.67	2,493	24.46	418	4.10	153	1.50	44	0.43
Bedele	4,735	23.08	11,337	55.27	3,473	16.93	690	3.36	250	1.22	28	0.14
Gechi	2,448	22.47	6,701	61.52	1,605	14.73	125	1.15	14	0.13	-	-
Borecha Wereda	2,524	27.95	5,521	61.14	876	9.70	86	0.95	23	0.25	-	-
Dedesa	4,997	35.61	7,420	52.88	1,225	8.73	284	2.02	74	0.53	33	0.24
yayu	2,800	14.58	9,446	49.20	5,071	26.41	1,316	6.85	369	1.92	199	1.04
Metu	3,088	13.63	12,392	54.71	5,585	24.66	1,100	4.86	302	1.33	184	0.81

Table 8.4B: - Number of Crop Holders that Owned Hoe by Geographic area

Geographic area	Number of Crop holders that owned											
	No Hoe		One Hoe		Two Hoes		Three Hoes		Four Hoes		Five and above Hoes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	5,348	30.81	9,689	55.83	1,955	11.26	332	1.91	32	0.18	-	-
Bure	2,921	24.36	6,804	56.74	1,938	16.16	220	1.83	86	0.72	23	0.19
Nono	1,180	26.75	2,521	57.15	632	14.33	54	1.22	24	0.54	-	-
Jimma Zone	307,725	69.41	111,022	25.04	19,784	4.46	3,531	0.80	975	0.22	278	0.06
Limu Seka	15,968	54.60	12,087	41.33	805	2.75	385	1.32	-	-	-	-
Limu Kosa	31,504	68.60	9,532	20.76	3,765	8.20	929	2.02	191	0.42	-	-
Sokoru	14,659	57.29	9,518	37.20	1,152	4.50	184	0.72	73	0.29	-	-
Tiro Afeta	16,682	69.12	5,618	23.28	1,541	6.38	199	0.82	-	-	95	0.39
Kersa	22,582	76.62	5,401	18.32	1,178	4.00	275	0.93	38	0.13	-	-
Mana	24,533	88.20	2,778	9.99	440	1.58	65	0.23	-	-	-	-
Goma	32,602	65.83	14,703	29.69	1,829	3.69	328	0.66	61	0.12	-	-
Gera	14,316	68.82	5,568	26.77	649	3.12	159	0.76	-	-	111	0.53
Seka chekorsa	48,877	86.63	6,621	11.73	649	1.15	75	0.13	128	0.23	72	0.13
Dedo	40,519	74.99	10,469	19.37	2,653	4.91	291	0.54	103	0.19	-	-
Omonada	33,891	73.72	8,598	18.70	2,729	5.94	425	0.92	329	0.72	-	-
Sigmo	4,761	29.51	9,853	61.08	1,476	9.15	42	0.26	-	-	-	-
Setema	6,830	37.43	10,276	56.31	918	5.03	173	0.95	52	0.28	-	-
West Shewa Zone	307,764	61.24	140,338	27.92	39,146	7.79	9,776	1.95	3,706	0.74	1,861	0.37
Ginde Beret	29,077	86.46	3,177	9.45	1,338	3.98	38	0.11	-	-	-	-
Jeldu	20,720	61.48	9,962	29.56	2,224	6.60	373	1.11	281	0.83	141	0.42
Ambo	23,180	57.77	11,513	28.69	4,415	11.00	650	1.62	259	0.65	105	0.26
Cheliya	22,882	61.82	5,892	15.92	5,009	13.53	2,212	5.98	750	2.03	266	0.72
Bako Tibe	2,433	12.55	3,445	17.77	7,442	38.38	3,587	18.50	1,490	7.68	992	5.12
Dano	9,683	62.29	3,937	25.33	1,588	10.22	273	1.76	63	0.41	-	-
Nono	16,785	72.54	4,012	17.34	1,654	7.15	497	2.15	163	0.70	29	0.13
Tikur	6,599	52.39	4,995	39.66	932	7.40	51	0.40	19	0.15	-	-
Amaya	14,846	67.66	5,264	23.99	1,331	6.07	359	1.64	115	0.52	28	0.13
Wonchi	5,955	34.21	10,371	59.59	800	4.60	151	0.87	64	0.37	64	0.37
Dendi	22,015	59.33	11,276	30.39	3,213	8.66	406	1.09	98	0.26	98	0.26
Ejerie	11,606	76.26	2,787	18.31	679	4.46	129	0.85	18	0.12	-	-
Adda Berga	14,077	72.93	4,384	22.71	732	3.79	86	0.45	23	0.12	-	-
Walmara	11,326	66.34	5,357	31.38	370	2.17	20	0.12	-	-	-	-
Alem Gana	15,367	74.57	4,884	23.70	330	1.60	-	-	26	0.13	-	-
Kersana Kondaltiti	13,203	59.87	8,088	36.68	731	3.32	29	0.13	-	-	-	-
Tole	8,261	79.43	2,040	19.61	88	0.85	12	0.12	-	-	-	-
Elu	7,836	75.68	2,365	22.84	142	1.37	-	-	-	-	11	0.11
Dawo	9,393	71.88	3,040	23.26	587	4.49	17	0.13	-	-	31	0.24
Walisona Goro	12,205	34.25	19,389	54.41	3,366	9.45	500	1.40	133	0.37	40	0.11
Becho	8,229	72.86	2,666	23.61	310	2.74	39	0.35	50	0.44	-	-
Kokir	4,248	34.36	6,735	54.48	1,125	9.10	168	1.36	63	0.51	23	0.19
Meta Robi	17,833	75.44	4,762	20.14	740	3.13	179	0.76	92	0.39	33	0.14
North Shewa(Oromia) Zone	207,756	87.66	25,131	10.60	3,231	1.36	597	0.25	142	0.06	154	0.06
Wara Jarso	21,768	87.04	2,740	10.96	393	1.57	36	0.14	36	0.14	36	0.14
Dera	31,610	90.22	2,228	6.36	924	2.64	185	0.53	39	0.11	49	0.14
Hidabu Abote	13,143	82.74	2,059	12.96	536	3.37	102	0.64	22	0.14	22	0.14
Kuyu	17,363	86.43	2,165	10.78	381	1.90	156	0.78	-	-	25	0.12
Degem	13,533	75.45	4,031	22.47	251	1.40	54	0.30	45	0.25	22	0.12
Gerar Jarso	11,202	85.10	1,944	14.77	17	0.13	-	-	-	-	-	-
Yaya Gulelena Debre	14,920	90.06	1,337	8.07	245	1.48	64	0.39	-	-	-	-
Wuchalena Jido	21,110	95.88	799	3.63	108	0.49	-	-	-	-	-	-
Abichuna Gna'a	11,252	94.81	570	4.80	46	0.39	-	-	-	-	-	-
Kembibit	10,260	94.48	582	5.36	18	0.17	-	-	-	-	-	-
Berehna Aleltu	21,542	86.95	3,030	12.23	202	0.82	-	-	-	-	-	-
Mulona Sululta	20,054	84.23	3,646	15.31	110	0.46	-	-	-	-	-	-

Table 8.4B: - Number of Crop Holders that Owned Hoe by Geographic area

Geographic area	Number of Crop holders that owned											
	No Hoe		One Hoe		Two Hoes		Three Hoes		Four Hoes		Five and above Hoes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	245,541	77.96	58,765	18.66	7,894	2.51	1,626	0.52	775	0.25	365	0.12
Fentale	6,328	94.77	306	4.58	24	0.36	19	0.28	-	-	-	-
Boset	23,988	96.58	825	3.32	24	0.10	-	-	-	-	-	-
Adama	23,526	87.44	3,091	11.49	289	1.07	-	-	-	-	-	-
Lome	12,030	82.60	2,282	15.67	252	1.73	-	-	-	-	-	-
Gimbichu	14,537	93.37	1,016	6.53	16	0.10	-	-	-	-	-	-
Ada'a Liben Chukala	34,020	84.68	4,962	12.35	882	2.20	223	0.56	89	0.22	-	-
Dugda Bora	21,883	75.87	6,699	23.22	262	0.91	-	-	-	-	-	-
Adami Tullu Jido	16,573	69.65	6,031	25.35	840	3.53	318	1.34	32	0.13	-	-
Arsi Negele	17,799	66.95	6,742	25.36	1,501	5.65	387	1.46	75	0.28	80	0.30
Shashemene	31,773	68.91	11,213	24.32	1,988	4.31	549	1.19	365	0.79	220	0.48
Seraro	32,920	68.29	13,143	27.26	1,737	3.60	130	0.27	214	0.44	65	0.13
Akaki	10,162	80.04	2,455	19.34	79	0.62	-	-	-	-	-	-
Arsi Zone	363,074	73.64	117,403	23.81	10,141	2.06	1,588	0.32	466	0.09	335	0.07
Merti	20,471	89.98	2,150	9.45	129	0.57	-	-	-	-	-	-
Aseko	9,367	65.07	4,559	31.67	441	3.06	29	0.20	-	-	-	-
Gololcha	19,009	65.15	9,474	32.47	695	2.38	-	-	-	-	-	-
Jeju	18,681	84.08	3,103	13.97	433	1.95	-	-	-	-	-	-
Dodotana Sire	18,479	80.74	4,008.	17.51	376	1.64	24	0.10	-	-	-	-
Zeway Dugda	14,468	68.25	6,423	30.30	309	1.46	-	-	-	-	-	-
Hitosa	27,252	69.47	10,992	28.02	985	2.51	-	-	-	-	-	-
Sude	21,425	84.02	4,018	15.76	58	0.23	-	-	-	-	-	-
Chole	12,282	77.16	3,510	22.05	126	0.79	-	-	-	-	-	-
Amigna	8,095	72.43	2,783	24.90	226	2.02	42	0.38	13	0.12	17	0.15
Seru	14,610	80.25	3,353	18.42	215	1.18	27	0.15	-	-	-	-
Robe	23,142	85.51	3,697	13.66	223	0.82	-	-	-	-	-	-
Tena	18,738	90.59	1,871	9.05	75	0.36	-	-	-	-	-	-
Sherka	23,126	87.58	3,075	11.65	204	0.77	-	-	-	-	-	-
Digeluna Tijo	15,800	71.23	6,222	28.05	130	0.59	-	-	-	-	29	0.13
Tiyo	11,385	71.25	4,356	27.26	237	1.48	-	-	-	-	-	-
Munesa	24,508	69.68	9,642	27.41	852	2.42	80	0.23	49	0.14	40	0.11
Bekoji	26,547	73.75	9,054	25.15	302	0.84	35	0.10	57	0.16	-	-
Gedeb	13,497	54.32	9,733	39.17	1,282	5.16	263	1.06	36	0.14	36	0.14
Kofele	22,191	52.80	15,380	36.59	2,845	6.77	1,089	2.59	310	0.74	213	0.51
West Harerge Zone	77,797	26.70	185,626	63.71	24,947	8.56	2,126	0.73	682	0.23	178	0.06
Mieso	9,162	55.87	6,671	40.68	411	2.51	146	0.89	-	-	10	0.06
Doba	2,515	11.05	16,852	74.02	3,007	13.21	214	0.94	118	0.52	62	0.27
Tulo	5,390	22.15	15,878	65.26	2,799	11.50	228	0.94	34	0.14	-	-
Mesela	3,718	14.39	18,531	71.71	3,045	11.78	377	1.46	136	0.53	33	0.13
Chiro	14,636	23.47	41,831	67.07	5,703	9.14	144	0.23	54	0.09	-	-
Goba Koricha	3,624	18.11	13,542	67.66	2,177	10.88	497	2.48	174	0.87	-	-
Anchar	5,796	43.16	6,474	48.21	1,019	7.59	69	0.51	72	0.54	-	-
Habro	10,741	35.35	17,324	57.01	1,972	6.49	238	0.78	74	0.24	37	0.12
Darolebu	11,951	44.30	14,258	52.85	725	2.69	44	0.16	-	-	-	-
Boke	6,227	28.12	14,476	65.37	1,277	5.77	143	0.65	21	0.09	-	-
Kuni	4,037	15.12	19,788	74.11	2,811	10.53	28	0.10	-	-	37	0.14
East Harerge Zone	89,543	23.13	240,155	62.02	51,027	13.18	4,919	1.27	1,399	0.36	150	0.04
Kombolcha	5,616	27.12	12,386	59.81	2,423	11.70	174	0.84	111	0.54	-	-
Jarso	4,286	25.13	11,105	65.12	1,501	8.80	160	0.94	-	-	-	-
Gursum	13,010	50.89	11,521	45.06	964	3.77	36	0.14	36	0.14	-	-
Babile	5,628	54.98	4,124	40.29	398	3.89	65	0.63	22	0.21	-	-
Fedis	5,627	22.91	16,120	65.62	2,376	9.67	335	1.36	107	0.44	-	-
Haro Maya	3,384	10.78	21,434	68.25	5,407	17.22	731	2.33	399	1.27	49	0.16
Kurfa Chele	1,590	22.33	3,766	52.88	1,524	21.40	139	1.95	63	0.88	40	0.56
Kersa	9,217	33.22	16,119	58.10	2,084	7.51	254	0.92	71	0.26	-	-

Table 8.4B: - Number of Crop Holders that Owned Hoe by Geographic area

Geographic area	Number of Crop holders that owned											
	No Hoe		One Hoe		Two Hoes		Three Hoes		Four Hoes		Five and above Hoes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	7,199	16.45	25,698	58.70	9,774	22.33	709	1.62	334	0.76	61	0.14
Goro Gutu	4,609	17.92	19,480	75.74	1,554	6.04	75	0.29	-	-	-	-
Deder	10,988	28.72	24,674	64.48	2,550	6.66	53	0.14	-	-	-	-
Malka Balo	4,555	18.27	17,908	71.83	2,359	9.46	108	0.43	-	-	-	-
Bedeno	7,767	17.91	26,829	61.88	7,879	18.17	819	1.89	62	0.14	-	-
Girawa	4,326	11.12	23,567	60.61	9,601	24.69	1,226	3.15	166	0.43	-	-
Gola Oda	1,740	22.13	5,427	69.04	634	8.07	33	0.42	27	0.34	-	-
Bale Zone	181,835	70.19	69,924	26.99	6,340	2.45	755	0.29	120	0.05	84	0.03
Kokosa	9,067	38.79	11,265	48.19	2,545	10.89	375	1.60	62	0.27	61	0.26
Dodola	12,536	53.01	9,930	41.99	1,084	4.58	100	0.42	-	-	-	-
Adaba	14,675	73.91	4,978	25.07	203	1.02	-	-	-	-	-	-
Agarfa	9,008	68.52	3,960	30.12	178	1.35	-	-	-	-	-	-
Gasera	7,562	62.56	4,381	36.24	124	1.03	21	0.17	-	-	-	-
Gololcha	10,254	68.75	4,425	29.67	235	1.58	-	-	-	-	-	-
Legehida	5,622	69.46	2,428	30.00	44	0.54	-	-	-	-	-	-
Ginir	18,824	86.93	2,649	12.23	153	0.71	27	0.12	-	-	-	-
Sinanana Dinsho	15,462	61.88	9,359	37.45	132	0.53	-	-	35	0.14	-	-
Goba	5,179	72.10	1,922	26.76	74	1.03	8	0.11	-	-	-	-
Mennana Arena Buluk	16,568	86.30	2,530	13.18	100	0.52	-	-	-	-	-	-
Nensebo	7,861	55.48	5,258	37.11	818	5.77	187	1.32	23	0.16	22	0.16
Meda Welabu	10,384	82.69	1,980	15.77	193	1.54	-	-	-	-	-	-
Berbere	8,674	84.93	1,313	12.86	209	2.05	17	0.17	-	-	-	-
Guradamole	3,960	95.19	200	4.81	-	-	-	-	-	-	-	-
Goro	13,774	86.44	1,942	12.19	198	1.24	20	0.13	-	-	-	-
Raytu	5,737	93.01	415	6.73	16	0.26	-	-	-	-	-	-
Seweyna	6,686	86.71	990	12.84	35	0.45	-	-	-	-	-	-
Borena Zone	200,194	70.71	60,573	21.40	15,885	5.61	3,810	1.35	1,132	0.40	1,510	0.53
Uraga	32,924	77.24	8,197	19.23	1,235	2.90	216	0.51	51	0.12	-	-
Bore	22,324	73.35	5,384	17.69	2,225	7.31	355	1.17	37	0.12	108	0.35
Adolana Wadera	11,667	51.59	9,202	40.69	1,408	6.23	309	1.37	30	0.13	-	-
Odo Shakiso	6,511	46.46	5,426	38.72	1,687	12.04	263	1.88	80	0.57	48	0.34
Hager Mariam	56,775	65.93	18,915	21.96	6,295	7.31	2,145	2.49	839	0.97	1,147	1.33
Yabelo	6,899	68.44	2,364	23.45	673	6.68	80	0.79	15	0.15	50	0.50
Arero	2,890	86.76	353	10.60	88	2.64	-	-	-	-	-	-
Liben	13,957	94.02	842	5.67	25	0.17	-	-	-	-	20	0.13
Moyale	8,066	75.13	1,887	17.58	566	5.27	96	0.89	-	-	121	1.13
Dire	10,830	78.94	2,668	19.45	131	0.95	66	0.48	24	0.17	-	-
Teltele	4,891	66.44	2,054	27.90	290	3.94	87	1.18	23	0.31	16	0.22
Gelana Abaya	22,463	82.50	3,281	12.05	1,261	4.63	192	0.71	32	0.12	-	-

Table 8.5B: - Number of Crop Holders that Owned 'Mekeskesha' by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'Mekeskesha'		One 'Mekeskesha'		Two 'Mekeskeshas'		Three 'Mekeskeshas'		Four 'Mekeskeshas'		Five and above 'Mekeskeshas'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	3,772,000	94.73	143,579	3.61	48,797	1.23	10,745	0.27	4,829	0.12	1,754	0.04
West Welega Zone	289,904	92.35	16,356	5.21	5,482	1.75	882	0.28	1,012	0.32	287	0.09
Mana Sibu	23,138	85.63	1,931	7.15	1,542	5.71	147	0.54	173	0.64	91	0.34
Nejo	17,613	98.31	256	1.43	47	0.26	-	-	-	-	-	-
Gimbi	14,703	86.00	1,865	10.91	318	1.86	168	0.98	-	-	42	0.25
Lalo Asabi	9,668	88.65	986	9.04	214	1.96	24	0.22	14	0.13	-	-
Boji	13,792	90.81	1,230	8.10	151	0.99	-	-	15	0.10	-	-
Ayra Guliso	15,777	96.37	471	2.88	106	0.65	17	0.10	-	-	-	-
Jarso	16,072	99.27	98	0.61	-	-	20	0.12	-	-	-	-
Gidami	13,585	99.63	51	0.37	-	-	-	-	-	-	-	-
Jimma Horo	6,670	97.10	199	2.90	-	-	-	-	-	-	-	-
Hawa Welel	14,525	83.89	1,581	9.13	1,000	5.78	139	0.80	26	0.15	44	0.25
Gawo Dale	20,779	87.23	1,848	7.76	412	1.73	100	0.42	650	2.73	31	0.13
Dale Sadi	10,098	90.83	691	6.22	269	2.42	44	0.40	15	0.13	-	-
Yubdo	5,448	96.60	170	3.01	22	0.39	-	-	-	-	-	-
Ganji	9,209	95.82	362	3.77	40	0.42	-	-	-	-	-	-
Haru	10,287	89.39	963	8.37	186	1.62	31	0.27	13	0.11	28	0.24
Nole Kaba	21,887	93.58	909	3.89	515	2.20	-	-	77	0.33	-	-
Lalo Kilie	7,495	94.87	348	4.41	57	0.72	-	-	-	-	-	-
Sayo	18,136	91.39	876	4.41	559	2.82	193	0.97	28	0.14	52	0.26
Anfilo	11,629	98.15	208	1.76	11	0.09	-	-	-	-	-	-
Begi	29,387	95.62	1,313	4.27	34	0.11	-	-	-	-	-	-
East Welega Zone	244,990	93.90	8,467	3.25	5,193	1.99	1,406	0.54	656	0.25	181	0.07
Limu	20,597	99.55	62	0.30	31	0.15	-	-	-	-	-	-
Ibantu	5,073	99.72	7	0.14	7	0.14	-	-	-	-	-	-
Gida Kiremu	21,966	99.09	166	0.75	36	0.16	-	-	-	-	-	-
Jarte	7,304	99.20	50	0.68	-	-	9	0.12	-	-	-	-
Amuru	7,441	96.15	269	3.48	20	0.26	9	0.12	-	-	-	-
Abe Dongoro	9,348	98.71	103	1.09	19	0.20	-	-	-	-	-	-
Jimma Horo	22,450	93.45	698	2.91	538	2.24	153	0.64	184	0.77	-	-
Abay Chomen	4,326	91.75	232	4.92	148	3.14	9	0.19	-	-	-	-
Guduru	21,278	98.88	86	0.40	96	0.45	60	0.28	-	-	-	-
Jimma Rare	7,618	98.45	76	0.98	33	0.43	11	0.14	-	-	-	-
Bila Seyo	13,141	97.56	214	1.59	58	0.43	38	0.28	19	0.14	-	-
Sibu Sire	15,030	98.86	100	0.66	50	0.33	-	-	23	0.15	-	-
Guto Wayu	26,198	91.96	2,127	7.47	108	0.38	25	0.09	-	-	29	0.10
Sasiga	11,023	97.15	279	2.46	44	0.39	-	-	-	-	-	-
Leka Dulecha	9,561	90.58	683	6.47	224	2.12	63	0.60	12	0.11	12	0.11
Diga	11,742	98.94	113	0.95	13	0.11	-	-	-	-	-	-
Jimma Arjo	12,435	93.26	748	5.61	134	1.01	16	0.12	-	-	-	-
Nunu Kumba	5,796	55.53	1,515	14.51	2,121	20.32	667	6.39	287	2.75	52	0.50
Wama Bonaya	12,662	80.75	940	5.99	1,514	9.66	345	2.20	131	0.84	88	0.56
Illibabor Zone	189,709	97.14	4,485	2.30	964	0.49	117	0.06	12	0.01	-	-
Darimu	22,238	99.61	86	0.39	-	-	-	-	-	-	-	-
Supena Sodo	12,697	96.64	359	2.73	83	0.63	-	-	-	-	-	-
Chora	19,424	99.34	130	0.66	-	-	-	-	-	-	-	-
Dega	9,521	93.43	611	6.00	59	0.58	-	-	-	-	-	-
Bedele	19,371	94.43	863	4.21	279	1.36	-	-	-	-	-	-
Gechi	10,311	94.66	417	3.83	165	1.51	-	-	-	-	-	-
Borecha Wereda	8,450	93.58	294	3.26	183	2.03	91	1.01	12	0.13	-	-
Dedesa	13,685	97.52	312	2.22	36	0.26	-	-	-	-	-	-
yayu	18,934	98.61	267	1.39	-	-	-	-	-	-	-	-
Metu	22,097	97.55	387	1.71	141	0.62	26	0.11	-	-	-	-

Table 8.5B: - Number of Crop Holders that Owned 'Mekeskesha' by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'Mekeskesha'		One 'Mekeskesha'		Two 'Mekeskeshas'		Three 'Mekeskeshas'		Four 'Mekeskeshas'		Five and above 'Mekeskeshas'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	16,991	97.90	365	2.10	-	-	-	-	-	-	-	-
Bure	11,595	96.69	381	3.18	16	0.13	-	-	-	-	-	-
Nono	4,400	99.75	11	0.25	-	-	-	-	-	-	-	-
Jimma Zone	386,560	87.20	39,471	8.90	12,921	2.91	3,255	0.73	705	0.16	403	0.09
Limu Seka	25,585	87.49	1,303	4.46	1,805	6.17	441	1.51	78	0.27	33	0.11
Limu Kosa	42,216	91.93	3,290	7.16	415	0.90	-	-	-	-	-	-
Sokoru	16,846	65.84	4,990	19.50	2,421	9.46	921	3.60	352	1.38	56	0.22
Tiro Afeta	18,994	78.70	4,123	17.08	872	3.61	115	0.48	31	0.13	-	-
Kersa	24,184	82.05	3,955	13.42	975	3.31	318	1.08	42	0.14	-	-
Mana	26,582	95.56	1,087	3.91	111	0.40	36	0.13	-	-	-	-
Goma	44,321	89.50	4,621	9.33	581	1.17	-	-	-	-	-	-
Gera	18,520	89.03	1,783	8.57	479	2.30	21	0.10	-	-	-	-
Seka chekorsa	53,276	94.42	2,337	4.14	477	0.85	133	0.24	133	0.24	66	0.12
Dedo	46,381	85.84	5,730	10.60	1,391	2.57	423	0.78	-	-	110	0.20
Omonada	35,931	78.16	5,633	12.25	3,367	7.32	835	1.82	69	0.15	137	0.30
Sigmo	15,926	98.72	206	1.28	-	-	-	-	-	-	-	-
Setema	17,794	97.51	413	2.26	28	0.15	14	0.08	-	-	-	-
West Shewa Zone	436,408	86.83	40,330	8.02	18,753	3.73	4,481	0.89	1,853	0.37	766	0.15
Ginde Beret	31,882	94.80	678	2.02	669	1.99	179	0.53	178	0.53	44	0.13
Jeldu	26,846	79.66	4,527	13.43	1,583	4.70	385	1.14	199	0.59	161	0.48
Ambo	34,292	85.47	3,300	8.22	1,366	3.40	695	1.73	375	0.93	94	0.23
Cheliya	34,369	92.86	1,716	4.64	739	2.00	140	0.38	47	0.13	-	-
Bako Tibe	19,270	99.39	71	0.37	48	0.25	-	-	-	-	-	-
Dano	11,169	71.85	2,048	13.18	1,658	10.67	457	2.94	161	1.04	51	0.33
Nono	20,116	86.93	1,381	5.97	1,179	5.10	345	1.49	119	0.51	-	-
Tikur	11,117	88.26	1,273	10.11	188	1.49	-	-	18	0.14	-	-
Amaya	15,818	72.09	3,288	14.98	2,146	9.78	496	2.26	136	0.62	59	0.27
Wonchi	9,890	56.82	4,013	23.06	2,476	14.23	604	3.47	314	1.80	108	0.62
Dendi	29,832	80.40	3,896	10.50	2,485	6.70	590	1.59	154	0.42	149	0.40
Ejerie	15,067	99.00	152	1.00	-	-	-	-	-	-	-	-
Adda Berga	18,928	98.06	310	1.61	21	0.11	43	0.22	-	-	-	-
Walmara	16,214	94.97	774	4.53	85	0.50	-	-	-	-	-	-
Alem Gana	19,205	93.20	1,051	5.10	299	1.45	52	0.25	-	-	-	-
Kersana Kondaltiti	17,695	80.25	2,844	12.90	1,324	6.00	106	0.48	53	0.24	29	0.13
Tole	9,169	88.15	1,045	10.05	187	1.80	-	-	-	-	-	-
Elu	9,930	95.90	361	3.49	63	0.61	-	-	-	-	-	-
Dawo	12,271	93.90	676	5.17	52	0.40	69	0.53	-	-	-	-
Walisona Goro	29,216	81.99	4,470	12.54	1,681	4.72	179	0.50	44	0.12	43	0.12
Becho	9,652	85.46	1,117	9.89	316	2.80	125	1.11	56	0.50	28	0.25
Kokir	11,315	91.53	916	7.41	115	0.93	16	0.13	-	-	-	-
Meta Robi	23,142	97.90	425	1.80	72	0.30	-	-	-	-	-	-
North Shewa(Oromia) Zone	228,662	96.48	6,720	2.84	1,388	0.59	178	0.08	63	0.03	-	-
Wara Jarso	23,857	95.39	653	2.61	384	1.54	68	0.27	47	0.19	-	-
Dera	34,631	98.85	310	0.88	94	0.27	-	-	-	-	-	-
Hidabu Abote	15,884	100.00	-	-	-	-	-	-	-	-	-	-
Kuyu	18,800	93.58	1,002	4.99	260	1.29	28	0.14	-	-	-	-
Degem	17,815	99.33	44	0.25	77	0.43	-	-	-	-	-	-
Gerar Jarso	12,997	98.74	150	1.14	16	0.12	-	-	-	-	-	-
Yaya Gulelena Debre	16,142	97.44	348	2.10	38	0.23	38	0.23	-	-	-	-
Wuchalena Jido	21,423	97.30	511	2.32	83	0.38	-	-	-	-	-	-
Abichuna Gna'a	10,045	84.64	1,518	12.79	245	2.06	44	0.37	16	0.13	-	-
Kembibit	9,904	91.20	941	8.66	15	0.14	-	-	-	-	-	-
Berehna Aleltu	24,018	96.95	668	2.70	88	0.36	-	-	-	-	-	-
Mulona Sululta	23,146	97.21	575	2.41	89	0.37	-	-	-	-	-	-

Table 8.5B: - Number of Crop Holders that Owned 'Mekeskesha' by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'Mekeskesha'		One 'Mekeskesha'		Two 'Mekeskeshas'		Three 'Mekeskeshas'		Four 'Mekeskeshas'		Five and above 'Mekeskeshas'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	311,474	98.89	3,116	0.99	177	0.06	56	0.02	48	0.02	95	0.03
Fentale	6,566	98.34	92	1.38	-	-	19	0.28	-	-	-	-
Boset	24,702	99.46	135	0.54	-	-	-	-	-	-	-	-
Adama	26,862	99.84	44	0.16	-	-	-	-	-	-	-	-
Lome	14,514	99.66	35	0.24	15	0.10	-	-	-	-	-	-
Gimbichu	15,511	99.63	39	0.25	19	0.12	-	-	-	-	-	-
Ada'a Liben Chukala	40,176	100.00	-	-	-	-	-	-	-	-	-	-
Dugda Bora	28,349	98.28	462	1.60	-	-	-	-	-	-	33	0.11
Adami Tullu Jido Kombolcha	23,434	98.49	360	1.51	-	-	-	-	-	-	-	-
Arsi Negele	26,429	99.42	155	0.58	-	-	-	-	-	-	-	-
Shashemene	45,146	97.91	709	1.54	143	0.31	-	-	48	0.10	62	0.13
Seraro	47,116	97.73	1,056	2.19	-	-	37	0.08	-	-	-	-
Akaki	12,666	99.76	30	0.24	-	-	-	-	-	-	-	-
Arsi Zone	489,560	99.30	3,346	0.68	89	0.02	12	0.00	-	-	-	-
Merti	22,696	99.76	33	0.15	21	0.09	-	-	-	-	-	-
Aseko	14,372	99.83	24	0.17	-	-	-	-	-	-	-	-
Gololcha	29,112	99.77	66	0.23	-	-	-	-	-	-	-	-
Jeju	22,166	99.77	51	0.23	-	-	-	-	-	-	-	-
Dodotana Sire	22,781	99.54	106	0.46	-	-	-	-	-	-	-	-
Zeway Dugda	21,175	99.88	25	0.12	-	-	-	-	-	-	-	-
Hitosa	39,144	99.78	85	0.22	-	-	-	-	-	-	-	-
Sude	25,440	99.76	61	0.24	-	-	-	-	-	-	-	-
Chole	15,872	99.71	46	0.29	-	-	-	-	-	-	-	-
Amigna	11,116	99.46	48	0.43	-	-	12	0.11	-	-	-	-
Seru	18,157	99.74	48	0.26	-	-	-	-	-	-	-	-
Robe	26,932	99.52	130	0.48	-	-	-	-	-	-	-	-
Tena	20,633	99.75	51	0.25	-	-	-	-	-	-	-	-
Sherka	26,006	98.49	399	1.51	-	-	-	-	-	-	-	-
Digeluna Tijo	22,150	99.86	31	0.14	-	-	-	-	-	-	-	-
Tiyo	15,901	99.52	77	0.48	-	-	-	-	-	-	-	-
Munesa	35,086	99.76	85	0.24	-	-	-	-	-	-	-	-
Bekoji	35,906	99.75	89	0.25	-	-	-	-	-	-	-	-
Gedeb	24,786	99.75	61	0.25	-	-	-	-	-	-	-	-
Kofele	40,131	95.49	1,829	4.35	68	0.16	-	-	-	-	-	-
West Harerge Zone	287,101	98.54	3,594	1.23	607	0.21	54	0.02	-	-	-	-
Mieso	16,371	99.82	29	0.18	-	-	-	-	-	-	-	-
Doba	21,772	95.63	558	2.45	404	1.77	34	0.15	-	-	-	-
Tulo	23,669	97.29	660	2.71	-	-	-	-	-	-	-	-
Mesela	25,279	97.83	439	1.70	122	0.47	-	-	-	-	-	-
Chiro	62,002	99.41	366	0.59	-	-	-	-	-	-	-	-
Goba Koricha	19,400	96.93	566	2.83	48	0.24	-	-	-	-	-	-
Anchar	13,010	96.87	420	3.13	-	-	-	-	-	-	-	-
Habro	30,175	99.31	211	0.69	-	-	-	-	-	-	-	-
Darolebu	26,777	99.25	201	0.75	-	-	-	-	-	-	-	-
Boke	22,063	99.63	61	0.28	-	-	20	0.09	-	-	-	-
Kuni	26,586	99.57	82	0.31	33	0.12	-	-	-	-	-	-
East Harerge Zone	379,655	98.05	6,832	1.76	531	0.14	113	0.03	62	0.02	-	-
Kombolcha	20,625	99.59	85	0.41	-	-	-	-	-	-	-	-
Jarso	14,679	86.08	1,858	10.90	360	2.11	113	0.66	42	0.25	-	-
Gursum	24,660	96.45	824	3.22	83	0.32	-	-	-	-	-	-
Babile	10,057	98.24	160	1.56	-	-	-	-	20	0.20	-	-
Fedis	24,565	100.00	-	-	-	-	-	-	-	-	-	-
Haro Maya	31,307	99.69	97	0.31	-	-	-	-	-	-	-	-
Kurfa Chele	7,113	99.87	9	0.13	-	-	-	-	-	-	-	-
Kersa	27,687	99.79	58	0.21	-	-	-	-	-	-	-	-

Table 8.5B: - Number of Crop Holders that Owned 'Mekeskesha' by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'Mekeskesha'		One 'Mekeskesha'		Two 'Mekeskeshas'		Three 'Mekeskeshas'		Four 'Mekeskeshas'		Five and above 'Mekeskeshas'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	40,361	92.20	3,326	7.60	88	0.20	-	-	-	-	-	-
Goro Gutu	25,690	99.89	28	0.11	-	-	-	-	-	-	-	-
Deder	38,219	99.88	46	0.12	-	-	-	-	-	-	-	-
Malka Balo	24,898	99.87	32	0.13	-	-	-	-	-	-	-	-
Bedeno	43,132	99.48	224	0.52	-	-	-	-	-	-	-	-
Girawa	38,886	100.00	-	-	-	-	-	-	-	-	-	-
Gola Oda	7,777	98.93	84	1.07	-	-	-	-	-	-	-	-
Bale Zone	250,400	96.66	7,705	2.97	773	0.30	126	0.05	34	0.01	20	0.01
Kokosa	23,081	98.74	256	1.10	38	0.16	-	-	-	-	-	-
Dodola	23,251	98.31	228	0.96	103	0.44	34	0.14	34	0.14	-	-
Adaba	19,462	98.02	372	1.87	-	-	22	0.11	-	-	-	-
Agarfa	12,667	96.36	416	3.16	63	0.48	-	-	-	-	-	-
Gasera	12,038	99.59	50	0.41	-	-	-	-	-	-	-	-
Gololcha	14,629	98.09	257	1.72	-	-	28	0.19	-	-	-	-
Legehida	8,094	100.00	-	-	-	-	-	-	-	-	-	-
Ginir	21,569	99.61	84	0.39	-	-	-	-	-	-	-	-
Sinanana Dinsho	23,695	94.83	1,241	4.97	52	0.21	-	-	-	-	-	-
Goba	6,827	95.04	346	4.82	10	0.14	-	-	-	-	-	-
Mennana Arena Buluk	18,782	97.83	392	2.04	-	-	24	0.13	-	-	-	-
Nensebo	13,254	93.54	684	4.83	231	1.63	-	-	-	-	-	-
Meda Welabu	8,961	71.36	3,280	26.12	277	2.21	19	0.15	-	-	20	0.16
Berbere	10,146	99.34	67	0.66	-	-	-	-	-	-	-	-
Guradamole	4,160	100.00	-	-	-	-	-	-	-	-	-	-
Goro	15,911	99.86	23	0.14	-	-	-	-	-	-	-	-
Raytu	6,160	99.87	8	0.13	-	-	-	-	-	-	-	-
Seweyna	7,711	100.00	-	-	-	-	-	-	-	-	-	-
Borena Zone	277,582	98.05	3,156	1.11	1,919	0.68	63	0.02	384	0.14	-	-
Uraga	41,951	98.42	510	1.20	162	0.38	-	-	-	-	-	-
Bore	29,612	97.30	821	2.70	-	-	-	-	-	-	-	-
Adolana Wadera	22,413	99.10	74	0.33	129	0.57	-	-	-	-	-	-
Odo Shakiso	13,676	97.58	339	2.42	-	-	-	-	-	-	-	-
Hager Mariam	86,031	99.90	85	0.10	-	-	-	-	-	-	-	-
Yabelo	9,874	97.95	152	1.51	47	0.47	8	0.08	-	-	-	-
Arero	3,267	98.08	30	0.90	34	1.02	-	-	-	-	-	-
Liben	14,394	96.97	369	2.49	50	0.34	31	0.21	-	-	-	-
Moyale	8,883	82.74	82	0.76	1,387	12.92	-	-	384	3.58	-	-
Dire	13,568	98.90	128	0.93	-	-	23	0.17	-	-	-	-
Teltele	7,223	98.13	138	1.87	-	-	-	-	-	-	-	-
Gelana Abaya	26,690	98.02	428	1.57	111	0.41	-	-	-	-	-	-

Table 8.6B:- Number of Crop Holders that Owned Pick-Axe by Geographic area

Geographic area	Number of Crop holders that owned											
	No Pick-Axe		One Pick-Axe		Two Pick-Axes		Three Pick-Axes		Four Pick-Axes		Five and above Pick-Axes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	3,255,007	81.75	526,557	13.22	145,324	3.65	36,230	0.91	12,047	0.30	6,539	0.16
West Welega Zone	276,826	88.18	24,017	7.65	9,464	3.01	2,337	0.74	787	0.25	492	0.16
Mana Sibu	20,249	74.94	3,943	14.59	1,528	5.65	537	1.99	397	1.47	368	1.36
Nejo	17,009	94.94	714	3.99	172	0.96	21	0.12	-	-	-	-
Gimbi	13,901	81.31	1,887	11.04	1,130	6.61	158	0.92	20	0.12	-	-
Lalo Asabi	9,760	89.49	645	5.91	382	3.50	80	0.73	27	0.25	12	0.11
Boji	12,986	85.50	821	5.41	865	5.70	386	2.54	115	0.76	15	0.10
Ayra Guliso	15,445	94.34	464	2.83	336	2.05	126	0.77	-	-	-	-
Jarso	14,892	91.98	1,259	7.78	39	0.24	-	-	-	-	-	-
Gidami	13,265	97.28	314	2.30	35	0.26	22	0.16	-	-	-	-
Jimma Horo	5,654	82.31	868	12.64	258	3.76	52	0.76	37	0.54	-	-
Hawa Welel	15,117	87.31	1,646	9.51	471	2.72	81	0.47	-	-	-	-
Gawo Dale	19,816	83.19	3,382	14.20	524	2.20	98	0.41	-	-	-	-
Dale Sadi	9,766	87.85	1,044	9.39	256	2.30	51	0.46	-	-	-	-
Yubdo	5,257	93.21	259	4.59	91	1.61	26	0.46	7	0.12	-	-
Ganji	7,723	80.36	986	10.26	685	7.13	172	1.79	-	-	45	0.47
Haru	9,935	86.33	1,072	9.32	390	3.39	97	0.84	14	0.12	-	-
Nole Kaba	20,502	87.66	1,644	7.03	1,037	4.43	86	0.37	119	0.51	-	-
Lalo Kilie	7,758	98.20	128	1.62	-	-	14	0.18	-	-	-	-
Sayo	18,578	93.62	950	4.79	216	1.09	100	0.50	-	-	-	-
Anfilo	11,467	96.78	253	2.14	68	0.57	32	0.27	14	0.12	14	0.12
Begi	27,744	90.27	1,737	5.65	979	3.19	200	0.65	37	0.12	37	0.12
East Welega Zone	223,157	85.54	26,898	10.31	8,405	3.22	1,679	0.64	536	0.21	218	0.08
Limu	14,659	70.85	3,978	19.23	1,571	7.59	434	2.10	20	0.10	28	0.14
Ibantu	4,345	85.41	492	9.67	174	3.42	68	1.34	8	0.16	-	-
Gida Kiremu	13,959	62.97	4,907	22.14	2,550	11.50	562	2.54	190	0.86	-	-
Jarte	6,671	90.60	468	6.36	213	2.89	-	-	-	-	11	0.15
Amuru	6,977	90.15	441	5.70	194	2.51	82	1.06	34	0.44	11	0.14
Abe Dongoro	6,838	72.21	2,154	22.75	436	4.60	31	0.33	-	-	11	0.12
Jimma Horo	22,811	94.95	1,154	4.80	58	0.24	-	-	-	-	-	-
Abay Chomen	4,192	88.91	493	10.46	22	0.47	8	0.17	-	-	-	-
Guduru	20,545	95.47	818	3.80	107	0.50	25	0.12	25	0.12	-	-
Jimma Rare	7,438	96.12	277	3.58	23	0.30	-	-	-	-	-	-
Bila Seyo	12,304	91.34	802	5.95	219	1.63	93	0.69	35	0.26	17	0.13
Sibu Sire	13,156	86.54	1,500	9.87	377	2.48	124	0.82	23	0.15	23	0.15
Guto Wayu	24,245	85.11	2,883	10.12	1,050	3.69	103	0.36	103	0.36	103	0.36
Sasiga	10,244	90.29	910	8.02	154	1.36	38	0.33	-	-	-	-
Leka Dulecha	9,607	91.02	596	5.65	196	1.86	57	0.54	85	0.81	14	0.13
Diga	10,465	88.18	1,276	10.75	93	0.78	34	0.29	-	-	-	-
Jimma Arjo	12,093	90.70	1,024	7.68	216	1.62	-	-	-	-	-	-
Nunu Kumba	9,322	89.31	968	9.27	135	1.29	-	-	13	0.12	-	-
Wama Bonaya	13,285	84.73	1,757	11.21	617	3.93	21	0.13	-	-	-	-
Illibabor Zone	182,991	93.70	9,399	4.81	1,749	0.90	821	0.42	245	0.13	82	0.04
Darimu	20,945	93.82	945	4.23	299	1.34	108	0.48	-	-	27	0.12
Supena Sodo	12,930	98.41	193	1.47	-	-	16	0.12	-	-	-	-
Chora	18,419	94.20	975	4.99	80	0.41	80	0.41	-	-	-	-
Dega	9,914	97.28	264	2.59	13	0.13	-	-	-	-	-	-
Bedele	17,863	87.08	1,721	8.39	318	1.55	373	1.82	184	0.90	54	0.26
Gechi	10,108	92.79	437	4.01	242	2.22	106	0.97	-	-	-	-
Borecha Wereda	8,492	94.04	446	4.94	92	1.02	-	-	-	-	-	-
Dedesa	12,602	89.80	764	5.44	494	3.52	112	0.80	61	0.43	-	-
yayu	17,972	93.60	1,130	5.89	99	0.52	-	-	-	-	-	-
Metu	21,582	95.28	991	4.38	52	0.23	26	0.11	-	-	-	-

Table 8.6B:- Number of Crop Holders that Owned Pick-Axe by Geographic area

Geographic area	Number of Crop holders that owned											
	No Pick-Axe		One Pick-Axe		Two Pick-Axes		Three Pick-Axes		Four Pick-Axes		Five and above Pick-Axes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	16,606	95.68	750	4.32	-	-	-	-	-	-	-	-
Bure	11,322	94.41	640	5.34	30	0.25	-	-	-	-	-	-
Nono	4,237	96.06	142	3.22	32	0.73	-	-	-	-	-	-
Jimma Zone	394,930	89.09	40,186	9.06	6,019	1.36	1,487	0.34	453	0.10	240	0.05
Limu Seka	26,764	91.52	1,503	5.14	639	2.18	265	0.91	74	0.25	-	-
Limu Kosa	42,446	92.43	2,962	6.45	513	1.12	-	-	-	-	-	-
Sokoru	24,030	93.92	1,527	5.97	29	0.11	-	-	-	-	-	-
Tiro Afeta	21,607	89.53	1,503	6.23	695	2.88	210	0.87	90	0.37	30	0.12
Kersa	23,982	81.37	4,923	16.70	569	1.93	-	-	-	-	-	-
Mana	24,990	89.84	2,594	9.33	232	0.83	-	-	-	-	-	-
Goma	42,742	86.31	6,321	12.76	460	0.93	-	-	-	-	-	-
Gera	18,032	86.68	2,483	11.94	177	0.85	111	0.53	-	-	-	-
Seka chekorsa	46,962	83.23	6,243	11.06	2,072	3.67	710	1.26	289	0.51	146	0.26
Dedo	49,026	90.73	4,949	9.16	60	0.11	-	-	-	-	-	-
Omonada	43,248	94.07	2,027	4.41	444	0.97	190	0.41	-	-	63	0.14
Sigmo	13,339	82.69	2,664	16.51	129	0.80	-	-	-	-	-	-
Setema	17,764	97.34	485	2.66	-	-	-	-	-	-	-	-
West Shewa Zone	402,573	80.10	77,146	15.35	17,284	3.44	3,587	0.71	1,392	0.28	609	0.12
Ginde Beret	26,396	78.49	4,270	12.70	2,273	6.76	490	1.46	162	0.48	39	0.12
Jeldu	27,010	80.15	5,376	15.95	1,098	3.26	172	0.51	-	-	45	0.13
Ambo	33,556	83.63	5,997	14.95	491	1.22	78	0.19	-	-	-	-
Cheliya	33,889	91.56	2,550	6.89	572	1.55	-	-	-	-	-	-
Bako Tibe	18,383	94.81	848	4.37	115	0.59	43	0.22	-	-	-	-
Dano	13,402	86.22	1,896	12.20	213	1.37	17	0.11	-	-	16	0.10
Nono	19,757	85.38	2,662	11.50	612	2.64	109	0.47	-	-	-	-
Tikur	12,052	95.68	527	4.18	17	0.13	-	-	-	-	-	-
Amaya	19,597	89.31	1,856	8.46	322	1.47	56	0.26	112	0.51	-	-
Wonchi	14,390	82.68	2,575	14.79	369	2.12	71	0.41	-	-	-	-
Dendi	27,231	73.39	7,692	20.73	1,647	4.44	342	0.92	46	0.12	148	0.40
Ejerie	10,904	71.65	3,742	24.59	514	3.38	38	0.25	21	0.14	-	-
Adda Berga	11,694	60.58	4,117	21.33	2,277	11.80	722	3.74	413	2.14	79	0.41
Walmara	9,716	56.91	5,995	35.11	1,070	6.27	212	1.24	40	0.23	40	0.23
Alem Gana	12,169	59.05	6,683	32.43	1,385	6.72	234	1.14	79	0.38	57	0.28
Kersana Kondaltiti	17,518	79.44	3,847	17.45	581	2.63	78	0.35	27	0.12	-	-
Tole	8,616	82.84	1,626	15.63	130	1.25	29	0.28	-	-	-	-
Elu	9,100	87.89	1,227	11.85	27	0.26	-	-	-	-	-	-
Dawo	11,022	84.34	1,349	10.32	580	4.44	50	0.38	50	0.38	17	0.13
Walisona Goro	30,583	85.83	4,657	13.07	311	0.87	82	0.23	-	-	-	-
Becho	9,846	87.18	1,421	12.58	27	0.24	-	-	-	-	-	-
Kokir	11,254	91.04	943	7.63	165	1.33	-	-	-	-	-	-
Meta Robi	14,490	61.30	5,288	22.37	2,488	10.52	765	3.24	441	1.87	167	0.71
North Shewa(Oromia) Zone	141,152	59.56	66,746	28.16	22,085	9.32	4,691	1.98	1,638	0.69	699	0.29
Wara Jarso	15,723	62.87	2,262	9.04	4,790	19.15	1,365	5.46	726	2.90	143	0.57
Dera	18,704	53.39	10,874	31.04	4,778	13.64	378	1.08	105	0.30	196	0.56
Hidabu Abote	11,757	74.02	1,870	11.77	1,867	11.75	313	1.97	77	0.48	-	-
Kuyu	14,044	69.91	1,870	9.31	2,548	12.68	1,133	5.64	337	1.68	158	0.79
Degem	9,303	51.87	5,285	29.47	2,588	14.43	517	2.88	197	1.10	46	0.26
Gerar Jarso	4,602	34.96	5,887	44.72	2,285	17.36	317	2.41	72	0.55	-	-
Yaya Gulelena Debre	10,942	66.05	3,763	22.72	1,527	9.22	178	1.07	61	0.37	95	0.57
Wuchalena Jido	13,944	63.33	7,482	33.98	336	1.53	191	0.87	64	0.29	-	-
Abichuna Gna'a	7,893	66.51	3,728	31.41	231	1.95	16	0.13	-	-	-	-
Kembibit	7,367	67.84	3,377	31.10	101	0.93	15	0.14	-	-	-	-
Berehna Aleltu	13,550	54.69	10,244	41.35	758	3.06	196	0.79	-	-	26	0.10
Mulona Sululta	13,327	55.97	10,102	42.43	275	1.15	72	0.30	-	-	34	0.14

Table 8.6B:- Number of Crop Holders that Owned Pick-Axe by Geographic area

Geographic area	Number of Crop holders that owned											
	No Pick-Axe		One Pick-Axe		Two Pick-Axes		Three Pick-Axes		Four Pick-Axes		Five and above Pick-Axes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	256,902	81.56	46,470	14.75	8,363	2.66	2,260	0.72	731	0.23	240	0.08
Fentale	5,830	87.31	380	5.69	320	4.79	49	0.73	98	1.47	-	-
Boset	21,498	86.56	2,492	10.03	545	2.19	236	0.95	31	0.12	35	0.14
Adama	19,181	71.29	6,873	25.54	559	2.08	162	0.60	63	0.23	68	0.25
Lome	7,894	54.20	5,852	40.18	604	4.15	71	0.49	107	0.73	36	0.25
Gimbichu	7,618	48.93	6,080	39.05	1,357	8.72	359	2.31	86	0.55	69	0.44
Ada'a Liben Chukala	29,230	72.75	9,129	22.72	1,415	3.52	317	0.79	85	0.21	-	-
Dugda Bora	27,239	94.44	1,482	5.14	46	0.16	77	0.27	-	-	-	-
Adami Tullu Jido	22,361	93.98	1,192	5.01	179	0.75	31	0.13	31	0.13	-	-
Arsi Negele	23,972	90.17	1,632	6.14	575	2.16	347	1.31	26	0.10	32	0.12
Shashemene	43,489	94.32	2,068	4.49	504	1.09	47	0.10	-	-	-	-
Seraro	41,847	86.80	3,976	8.25	1,688	3.50	534	1.11	164	0.34	-	-
Akaki	6,744	53.12	5,314	41.86	570	4.49	29	0.23	39	0.31	-	-
Arsi Zone	335,146	67.98	100,786	20.44	37,025	7.51	12,370	2.51	4,556	0.92	3,124	0.63
Merti	15,977	70.23	5,320	23.38	678	2.98	52	0.23	-	-	723	3.18
Aseko	10,915	75.82	3,055	21.22	390	2.71	18	0.13	18	0.13	-	-
Gololcha	27,052	92.71	1,868	6.40	222	0.76	36	0.12	-	-	-	-
Jeju	14,527	65.39	6,988	31.45	416	1.87	286	1.29	-	-	-	-
Dodotana Sire	12,263	53.58	4,675	20.43	3,669	16.03	1,264	5.52	602	2.63	414	1.81
Zeway Dugda	19,225	90.68	1,623	7.66	277	1.31	75	0.35	-	-	-	-
Hitosa	17,177	43.79	12,242	31.21	6,056	15.44	1,993	5.08	1,034	2.64	727	1.85
Sude	18,500	72.55	4,477	17.56	1,988	7.80	373	1.46	163	0.64	-	-
Chole	7,020	44.10	4,947	31.08	2,526	15.87	953	5.99	379	2.38	93	0.58
Amigna	9,512	85.11	1,333	11.93	223	2.00	77	0.69	-	-	31	0.28
Seru	14,434	79.29	3,034	16.67	541	2.97	171	0.94	25	0.14	-	-
Robe	18,704	69.12	4,700	17.37	2,806	10.37	507	1.87	203	0.75	142	0.52
Tena	8,782	42.46	5,154	24.92	4,192	20.27	1,660	8.03	580	2.80	316	1.53
Sherka	14,275	54.06	4,519	17.11	4,121	15.61	2,306	8.73	740	2.80	444	1.68
Digeluna Tijo	14,463	65.20	6,445	29.06	1,071	4.83	131	0.59	42	0.19	29	0.13
Tiyo	8,473	53.03	5,422	33.93	1,364	8.54	440	2.75	164	1.03	115	0.72
Munesa	22,116	62.88	9,206	26.17	2,751	7.82	689	1.96	320	0.91	89	0.25
Bekoji	23,942	66.51	8,276	22.99	2,709	7.53	886	2.46	182	0.51	-	-
Gedeb	22,545	90.74	2,072	8.34	212	0.85	18	0.07	-	-	-	-
Kofele	35,244	83.86	5,431	12.92	813	1.93	434	1.03	106	0.25	-	-
West Harerge Zone	281,652	96.67	8,311	2.85	1,244	0.43	75	0.03	74	0.03	-	-
Mieso	15,740	95.98	521	3.18	79	0.48	40	0.24	20	0.12	-	-
Doba	22,627	99.38	55	0.24	86	0.38	-	-	-	-	-	-
Tulo	24,130	99.18	166	0.68	33	0.14	-	-	-	-	-	-
Mesela	24,687	95.54	1,079	4.18	74	0.29	-	-	-	-	-	-
Chiro	61,603	98.77	765	1.23	-	-	-	-	-	-	-	-
Goba Koricha	18,501	92.44	1,216	6.08	297	1.48	-	-	-	-	-	-
Anchar	10,775	80.23	2,193	16.33	372	2.77	36	0.27	54	0.40	-	-
Habro	29,392	96.73	838	2.76	156	0.51	-	-	-	-	-	-
Darolebu	25,955	96.21	910	3.37	113	0.42	-	-	-	-	-	-
Boke	21,803	98.46	341	1.54	-	-	-	-	-	-	-	-
Kuni	26,442	99.03	227	0.85	32	0.12	-	-	-	-	-	-
East Harerge Zone	378,111	97.65	8,318	2.15	667	0.17	97	0.03	-	-	-	-
Kombolcha	20,501	98.99	167	0.81	42	0.20	-	-	-	-	-	-
Jarso	14,550	85.33	2,124	12.46	336	1.97	42	0.25	-	-	-	-
Gursum	24,959	97.62	608	2.38	-	-	-	-	-	-	-	-
Babile	10,110	98.76	127	1.24	-	-	-	-	-	-	-	-
Fedis	24,323	99.01	242	0.99	-	-	-	-	-	-	-	-
Haro Maya	30,484	97.07	878	2.80	42	0.13	-	-	-	-	-	-
Kurfa Chele	7,113	99.87	9	0.13	-	-	-	-	-	-	-	-
Kersa	27,461	98.98	284	1.02	-	-	-	-	-	-	-	-

Table 8.6B:- Number of Crop Holders that Owned Pick-Axe by Geographic area

Geographic area	Number of Crop holders that owned											
	No Pick-Axe		One Pick-Axe		Two Pick-Axes		Three Pick-Axes		Four Pick-Axes		Five and above Pick-Axes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	43,448	99.25	273	0.62	-	-	54	0.12	-	-	-	-
Goro Gutu	25,363	98.62	274	1.07	81	0.31	-	-	-	-	-	-
Deder	37,908	99.07	298	0.78	59	0.15	-	-	-	-	-	-
Malka Balo	24,841	99.64	89	0.36	-	-	-	-	-	-	-	-
Bedeno	40,572	93.58	2,676	6.17	108	0.25	-	-	-	-	-	-
Girawa	38,660	99.42	226	0.58	-	-	-	-	-	-	-	-
Gola Oda	7,818	99.45	43	0.55	-	-	-	-	-	-	-	-
Bale Zone	214,273	82.71	32,452	12.53	9,142	3.53	2,303	0.89	611	0.24	277	0.11
Kokosa	21,554	92.21	1,553	6.64	187	0.80	81	0.35	-	-	-	-
Dodola	22,594	95.53	860	3.64	162	0.68	-	-	34	0.14	-	-
Adaba	17,664	88.96	1,762	8.87	204	1.03	126	0.63	26	0.13	74	0.37
Agarfa	6,156	46.83	4,336	32.98	1,802	13.71	583	4.43	190	1.45	79	0.60
Gasera	7,891	65.28	2,619	21.67	1,222	10.11	271	2.24	85	0.70	-	-
Gololcha	11,214	75.19	2,489	16.69	973	6.52	132	0.89	86	0.58	20	0.13
Legehida	7,741	95.64	153	1.89	110	1.36	60	0.74	30	0.37	-	-
Ginir	16,652	76.90	3,480	16.07	1,214	5.61	192	0.89	47	0.22	68	0.31
Sinanana Dinsho	16,195	64.81	5,652	22.62	2,337	9.35	670	2.68	97	0.39	37	0.15
Goba	4,892	68.11	1,837	25.57	389	5.42	49	0.68	16	0.22	-	-
Mennana Arena Buluk	17,720	92.30	1,451	7.56	-	-	27	0.14	-	-	-	-
Nensebo	13,510	95.35	604	4.26	55	0.39	-	-	-	-	-	-
Meda Welabu	11,411	90.87	1,129	8.99	17	0.14	-	-	-	-	-	-
Berbere	9,455	92.58	713	6.98	45	0.44	-	-	-	-	-	-
Guradamole	4,022	96.68	131	3.15	7	0.17	-	-	-	-	-	-
Goro	13,150	82.53	2,322	14.57	363	2.28	99	0.62	-	-	-	-
Raytu	5,275	85.52	858	13.91	22	0.36	13	0.21	-	-	-	-
Seweyna	7,174	93.04	503	6.52	34	0.44	-	-	-	-	-	-
Borena Zone	167,291	59.09	85,827	30.32	23,877	8.43	4,525	1.60	1,025	0.36	559	0.20
Uraga	22,919	53.77	14,243	33.42	4,639	10.88	643	1.51	117	0.27	62	0.15
Bore	15,461	50.80	10,539	34.63	3,676	12.08	645	2.12	76	0.25	36	0.12
Adolana Wadera	12,534	55.42	7,678	33.95	1,802	7.97	462	2.04	60	0.27	80	0.35
Odo Shakiso	9,254	66.03	3,948	28.17	664	4.74	135	0.96	14	0.10	-	-
Hager Mariam	53,771	62.44	24,834	28.84	5,872	6.82	1,267	1.47	114	0.13	258	0.30
Yabelo	7,428	73.68	2,472	24.52	138	1.37	43	0.43	-	-	-	-
Arero	2,117	63.55	1,083	32.51	124	3.72	7	0.21	-	-	-	-
Liben	11,979	80.70	2,645	17.82	198	1.33	22	0.15	-	-	-	-
Moyale	7,920	73.77	2,312	21.54	492	4.58	-	-	12	0.11	-	-
Dire	7,947	57.93	4,628	33.73	887	6.47	170	1.24	87	0.63	-	-
Teltele	6,300	85.59	988	13.42	73	0.99	-	-	-	-	-	-
Gelana Abaya	9,661	35.48	10,457	38.40	5,312	19.51	1,131	4.15	545	2.00	123	0.45

Table 8.7B: - Number of Crop Holders that Owned 'Deger' by Geographic area

Geographic area	Number of Crop holders that owned											
	No 'Deger'		One 'Deger'		Two 'Degers'		Three 'Degers'		Four 'Degers'		Five and above 'Degers'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	1,408,480	35.37	1,325,411	33.29	993,759	24.96	35,563	0.89	183,533	4.61	34,958	0.88
West Welega Zone	114,598	36.51	117,143	37.32	71,060	22.64	1,261	0.40	8,885	2.83	976	0.31
Mana Sibu	7,275	26.92	11,268	41.70	6,682	24.73	229	0.85	1,422	5.26	146	0.54
Nejo	5,266	29.39	5,668	31.64	5,844	32.62	55	0.31	795	4.44	288	1.61
Gimbi	6,894	40.33	6,234	36.46	3,846	22.50	-	-	82	0.48	40	0.23
Lalo Asabi	4,044	37.08	4,552	41.74	2,164	19.84	15	0.14	116	1.06	15	0.14
Boji	5,135	33.81	4,384	28.86	5,123	33.73	39	0.26	507	3.34	-	-
Ayra Guliso	5,025	30.69	8,642	52.79	2,152	13.15	142	0.87	390	2.38	20	0.12
Jarso	3,067	18.94	5,061	31.26	7,402	45.72	68	0.42	548	3.38	44	0.27
Gidami	5,510	40.41	6,373	46.74	1,451	10.64	143	1.05	159	1.17	-	-
Jimma Horo	1,696	24.69	2,543	37.02	2,222	32.35	27	0.39	346	5.04	35	0.51
Hawa Welel	7,004	40.45	5,622	32.47	4,187	24.18	100	0.58	321	1.85	81	0.47
Gawo Dale	7,471	31.36	9,417	39.53	5,009	21.03	31	0.13	1,764	7.41	128	0.54
Dale Sadi	3,565	32.07	4,164	37.46	2,908	26.16	69	0.62	367	3.30	44	0.40
Yubdo	1,569	27.82	1,798	31.88	2,014	35.71	21	0.37	212	3.76	26	0.46
Ganji	3,630	37.77	4,137	43.04	1,689	17.57	22	0.23	111	1.15	22	0.23
Haru	4,889	42.48	3,989	34.66	2,428	21.10	-	-	174	1.51	28	0.24
Nole Kaba	8,533	36.48	7,462	31.91	6,408	27.40	119	0.51	807	3.45	59	0.25
Lalo Kilie	2,241	28.37	4,236	53.62	1,215	15.38	30	0.38	178	2.25	-	-
Sayo	10,081	50.80	6,761	34.07	2,650	13.35	22	0.11	330	1.66	-	-
Anfilo	8,546	72.13	2,216	18.70	1,025	8.65	37	0.31	24	0.20	-	-
Begi	13,154	42.80	12,615	41.05	4,639	15.09	93	0.30	233	0.76	-	-
East Welega Zone	72,047	27.62	81,653	31.30	78,678	30.16	2,576	0.99	22,469	8.61	3,470	1.33
Limu	8,276	40.00	5,832	28.19	5,183	25.05	190	0.92	1,133	5.48	76	0.37
Ibantu	1,035	20.35	2,132	41.91	1,148	22.57	325	6.39	356	7.00	91	1.79
Gida Kiremu	6,773	30.55	5,245	23.66	7,236	32.64	145	0.65	2,391	10.79	378	1.71
Jarte	1,250	16.98	2,080	28.25	2,325	31.58	110	1.49	1,453	19.73	145	1.97
Amuru	1,662	21.48	2,242	28.97	2,362	30.52	108	1.40	1,068	13.80	297	3.84
Abe Dongoro	4,127	43.58	2,953	31.18	2,091	22.08	20	0.21	279	2.95	-	-
Jimma Horo	4,939	20.56	4,891	20.36	9,829	40.91	226	0.94	3,644	15.17	494	2.06
Abay Chomen	944	20.02	1,194	25.32	1,668	35.38	58	1.23	724	15.36	127	2.69
Guduru	5,452	25.33	2,798	13.00	9,383	43.60	116	0.54	3,292	15.30	479	2.23
Jimma Rare	1,738	22.46	1,833	23.69	3,161	40.85	-	-	909	11.75	97	1.25
Bila Seyo	3,876	28.78	6,204	46.06	2,814	20.89	192	1.43	365	2.71	19	0.14
Sibu Sire	3,914	25.74	5,555	36.54	4,451	29.28	37	0.24	1,028	6.76	218	1.43
Guto Wayu	8,489	29.80	11,162	39.18	6,778	23.79	398	1.40	1,557	5.47	103	0.36
Sasiga	4,186	36.89	3,940	34.73	2,902	25.58	-	-	282	2.49	36	0.32
Leka Dulecha	2,716	25.73	4,877	46.21	2,370	22.45	66	0.63	498	4.72	28	0.27
Diga	4,137	34.86	2,860	24.10	3,785	31.89	57	0.48	924	7.79	105	0.88
Jimma Arjo	3,601	27.01	6,109	45.82	3,143	23.57	176	1.32	271	2.03	33	0.25
Nunu Kumba	2,041	19.55	3,189	30.55	3,267	31.30	97	0.93	1,334	12.78	510	4.89
Wama Bonaya	2,890	18.43	6,556	41.81	4,783	30.50	255	1.63	962	6.14	234	1.49
Illibabor Zone	61,038	31.26	101,507	51.98	27,847	14.26	1,602	0.82	2,784	1.43	509	0.26
Darimu	8,404	37.65	8,571	38.39	4,031	18.06	176	0.79	1,022	4.58	120	0.54
Supena Sodo	4,413	33.59	6,354	48.36	2,172	16.53	98	0.75	102	0.78	-	-
Chora	6,311	32.27	10,404	53.21	2,498	12.77	212	1.08	129	0.66	-	-
Dega	2,298	22.55	5,220	51.22	2,206	21.65	176	1.73	210	2.06	81	0.79
Bedele	5,292	25.80	11,558	56.34	3,055	14.89	173	0.84	335	1.63	100	0.49
Gechi	2,661	24.43	6,733	61.81	1,243	11.41	85	0.78	158	1.45	13	0.12
Borecha Wereda	2,284	25.29	5,438	60.22	1,203	13.32	60	0.66	22	0.24	23	0.25
Dedesa	3,748	26.71	7,842	55.88	2,136	15.22	126	0.90	135	0.96	46	0.33
yayu	6,728	35.04	10,142	52.82	2,034	10.59	45	0.23	202	1.05	50	0.26
Metu	9,453	41.73	9,671	42.70	3,087	13.63	155	0.68	211	0.93	74	0.33

Table 8.7B: - Number of Crop Holders that Owned 'Deger' by Geographic area

Geographic area	Number of Crop holders that owned											
	No 'Deger'		One 'Deger'		Two 'Degers'		Three 'Degers'		Four 'Degers'		Five and above 'Degers'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	4,496	25.90	10,667	61.46	2,091	12.05	57	0.33	45	0.26	-	-
Bure	3,712	30.95	6,105	50.91	1,735	14.47	233	1.94	207	1.73	-	-
Nono	1,239	28.09	2,803	63.55	357	8.09	6	0.14	6	0.14	-	-
Jimma Zone	116,243	26.22	235,915	53.22	79,114	17.85	4,413	1.00	6,633	1.50	997	0.22
Limu Seka	4,866	16.64	14,798	50.60	8,862	30.30	132	0.45	587	2.01	-	-
Limu Kosa	10,142	22.09	23,185	50.49	10,212	22.24	599	1.30	1,726	3.76	57	0.12
Sokoru	6,060	23.68	12,592	49.21	6,090	23.80	253	0.99	507	1.98	84	0.33
Tiro Afeta	4,378	18.14	10,766	44.61	6,909	28.63	323	1.34	1,158	4.80	601	2.49
Kersa	3,656	12.40	20,143	68.34	5,138	17.43	320	1.09	217	0.74	-	-
Mana	11,978	43.06	14,483	52.07	1,175	4.22	140	0.50	40	0.14	-	-
Goma	22,839	46.12	22,169	44.77	3,743	7.56	256	0.52	455	0.92	61	0.12
Gera	3,950	18.99	13,556	65.16	2,691	12.94	314	1.51	181	0.87	111	0.53
Seka chekorsa	18,322	32.47	27,490	48.72	9,436	16.72	501	0.89	673	1.19	-	-
Dedo	11,083	20.51	33,268	61.57	8,478	15.69	466	0.86	740	1.37	-	-
Omonada	7,913	17.21	25,272	54.97	11,509	25.03	1,002	2.18	215	0.47	61	0.13
Sigmo	4,751	29.45	7,943	49.24	3,353	20.78	85	0.53	-	-	-	-
Setema	6,304	34.54	10,249	56.16	1,517	8.31	22	0.12	135	0.74	22	0.12
West Shewa Zone	136,588	27.18	132,334	26.33	181,517	36.12	4,670	0.93	40,160	7.99	7,322	1.46
Ginde Beret	8,569	25.48	6,286	18.69	14,102	41.93	429	1.28	3,687	10.96	557	1.66
Jeldu	9,125	27.08	9,037	26.82	12,792	37.96	140	0.42	2,254	6.69	353	1.05
Ambo	11,392	28.39	11,056	27.56	13,705	34.16	418	1.04	2,507	6.25	1,044	2.60
Cheliya	9,023	24.38	9,301	25.13	14,068	38.01	344	0.93	3,673	9.92	602	1.63
Bako Tibe	5,167	26.65	3,350	17.28	8,278	42.69	201	1.04	1,927	9.94	466	2.40
Dano	2,980	19.17	2,683	17.26	7,661	49.29	179	1.15	1,781	11.46	260	1.67
Nono	4,276	18.48	9,064	39.17	7,859	33.96	301	1.30	1,440	6.22	200	0.86
Tikur	4,924	39.09	3,217	25.54	4,072	32.33	-	-	323	2.56	60	0.48
Amaya	4,954	22.58	6,285	28.64	8,732	39.79	308	1.40	1,519	6.92	145	0.66
Wonchi	8,395	48.23	4,676	26.87	4,070	23.38	64	0.37	200	1.15	-	-
Dendi	10,965	29.55	14,588	39.31	9,498	25.60	188	0.51	1,778	4.79	89	0.24
Ejerie	3,783	24.86	2,550	16.76	6,913	45.42	98	0.64	1,602	10.53	273	1.79
Adda Berga	4,247	22.00	4,782	24.77	6,443	33.38	353	1.83	2,326	12.05	1,151	5.96
Walmara	4,274	25.03	3,234	18.94	7,094	41.55	252	1.48	1,870	10.95	349	2.04
Alem Gana	5,877	28.52	5,547	26.92	6,414	31.13	108	0.52	2,268	11.01	393	1.91
Kersana Kondaltiti	3,893	17.65	10,503	47.63	6,603	29.94	269	1.22	730	3.31	53	0.24
Tole	1,791	17.22	2,673	25.70	4,534	43.59	80	0.77	1,162	11.17	161	1.55
Elu	2,639	25.49	2,301	22.22	3,286	31.74	228	2.20	1,635	15.79	265	2.56
Dawo	2,448	18.73	3,970	30.38	4,601	35.21	186	1.42	1,730	13.24	133	1.02
Walisona Goro	14,863	41.71	10,971	30.79	8,196	23.00	137	0.38	1,328	3.73	138	0.39
Becho	2,236	19.80	3,663	32.43	3,587	31.76	310	2.74	1,286	11.39	212	1.88
Kokir	3,866	31.27	120	0.97	7,064	57.14	16	0.13	1,132	9.16	164	1.33
Meta Robi	6,901	29.19	2,478	10.48	11,946	50.54	59	0.25	2,003	8.47	252	1.07
North Shewa(Oromia) Zone	49,678	20.96	54,754	23.10	94,371	39.82	4,875	2.06	28,205	11.90	5,128	2.16
Wara Jarso	5,563	22.24	2,015	8.06	10,236	40.93	1,267	5.07	5,127	20.50	801	3.20
Dera	10,458	29.85	11,110	31.71	10,614	30.30	857	2.45	1,781	5.08	215	0.61
Hidabu Abote	4,262	26.83	2,879	18.13	6,957	43.80	181	1.14	1,506	9.48	99	0.62
Kuyu	4,863	24.21	5,213	25.95	7,404	36.85	185	0.92	2,040	10.15	385	1.92
Degem	4,627	25.80	5,165	28.80	6,488	36.17	330	1.84	1,143	6.37	183	1.02
Gerar Jarso	1,532	11.64	2,739	20.81	6,345	48.20	79	0.60	2,125	16.14	343	2.61
Yaya Gulelena Debre	2,931	17.69	3,190	19.26	8,116	48.99	604	3.65	1,455	8.78	270	1.63
Wuchalena Jido	3,512	15.95	5,275	23.96	9,313	42.30	201	0.91	3,201	14.54	515	2.34
Abichuna Gna'a	1,966	16.57	5,015	42.26	4,114	34.66	113	0.95	565	4.76	95	0.80
Kembibit	2,385	21.96	3,661	33.71	3,750	34.53	102	0.94	854	7.86	108	0.99
Berehna Aleltu	4,608	18.60	5,457	22.03	9,944	40.14	647	2.61	3,493	14.10	625	2.52
Mulona Sululta	2,969	12.47	3,037	12.76	11,090	46.58	311	1.31	4,914	20.64	1,489	6.25

Table 8.7B: - Number of Crop Holders that Owned 'Deger' by Geographic area

Geographic area	Number of Crop holders that owned											
	No 'Deger'		One 'Deger'		Two 'Degers'		Three 'Degers'		Four 'Degers'		Five and above 'Degers'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	83,503	26.51	108,713	34.52	93,233	29.60	3,813	1.21	21,115	6.70	4,589	1.46
Fentale	2,275	34.07	3,185	47.70	1,144	17.13	33	0.49	40	0.60	-	-
Boset	6,533	26.30	9,277	37.35	6,869	27.66	593	2.39	1,307	5.26	258	1.04
Adama	7,918	29.43	9,917	36.86	5,941	22.08	365	1.36	2,051	7.62	714	2.65
Lome	3,400	23.35	2,968	20.38	5,248	36.03	456	3.13	1,958	13.44	534	3.67
Gimbichu	2,669	17.14	4,666	29.97	5,830	37.45	309	1.98	1,848	11.87	247	1.59
Ada'a Liben Chukala	10,471	26.06	5,827	14.50	15,314	38.12	450	1.12	6,734	16.76	1,380	3.43
Dugda Bora	5,444	18.87	12,234	42.41	8,477	29.39	473	1.64	1,714	5.94	502	1.74
Adami Tullu Jido	6,861	28.84	8,868	37.27	6,935	29.15	200	0.84	734	3.08	196	0.82
Arsi Negele	7,112	26.75	12,457	46.86	6,327	23.80	271	1.02	345	1.30	72	0.27
Shashemene	16,594	35.99	14,112	30.61	13,653	29.61	301	0.65	1,384	3.00	64	0.14
Seraro	11,453	23.76	21,791	45.20	13,205	27.39	52	0.11	1,478	3.07	230	0.48
Akaki	2,771	21.83	3,411	26.87	4,290	33.79	309	2.43	1,523	12.00	392	3.09
Arsi Zone	115,922	23.51	192,741	39.09	145,736	29.56	6,202	1.26	28,005	5.68	4,401	0.89
Merti	5,451	23.96	6,464	28.41	8,848	38.89	141	0.62	1,645	7.23	201	0.88
Aseko	3,638	25.27	6,206	43.11	4,054	28.16	159	1.10	307	2.13	32	0.22
Gololcha	9,257	31.73	11,724	40.18	6,800	23.31	257	0.88	781	2.68	359	1.23
Jeju	5,373	24.18	10,443	47.00	5,152	23.19	81	0.36	1,025	4.61	143	0.64
Dodotana Sire	6,288	27.47	7,939	34.69	5,836	25.50	390	1.70	2,140	9.35	294	1.28
Zeway Dugda	4,774	22.52	11,445	53.99	4,240	20.00	244	1.15	381	1.80	116	0.55
Hitosa	8,664	22.09	16,923	43.14	11,011	28.07	524	1.34	1,729	4.41	378	0.96
Sude	4,986	19.55	14,082	55.22	5,746	22.53	172	0.67	515	2.02	-	-
Chole	3,302	20.74	5,802	36.45	5,591	35.12	162	1.02	991	6.23	70	0.44
Amigna	1,770	15.84	4,288	38.37	4,063	36.35	78	0.70	905	8.10	72	0.64
Seru	2,839	15.59	7,570	41.58	6,353	34.90	109	0.60	1,157	6.36	177	0.97
Robe	4,881	18.04	12,476	46.10	9,071	33.52	360	1.33	245	0.91	29	0.11
Tena	4,733	22.88	8,887	42.97	5,887	28.46	126	0.61	945	4.57	106	0.51
Sherka	4,998	18.93	10,937	41.42	8,268	31.31	393	1.49	1,748	6.62	61	0.23
Digeluna Tijo	4,913	22.15	8,951	40.35	6,142	27.69	473	2.13	1,345	6.06	357	1.61
Tiyo	4,091	25.60	2,622	16.41	5,763	36.07	152	0.95	2,938	18.39	412	2.58
Munesa	8,312	23.63	14,250	40.52	10,885	30.95	580	1.65	1,144	3.25	-	-
Bekoji	7,538	20.94	11,025	30.63	12,057	33.50	868	2.41	3,767	10.47	740	2.06
Gedeb	4,491	18.07	1,925	7.75	13,130	52.84	336	1.35	4,203	16.92	762	3.07
Kofele	15,623	37.17	18,780	44.68	6,839	16.27	597	1.42	94	0.22	95	0.23
West Harerge Zone	116,191	39.88	101,575	34.86	66,912	22.97	1,037	0.36	4,545	1.56	1,096	0.38
Mieso	2,999	18.29	3,615	22.04	8,859	54.02	47	0.29	831	5.07	49	0.30
Doba	5,895	25.89	4,355	19.13	11,420	50.16	58	0.25	959	4.21	81	0.36
Tulo	11,815	48.56	9,576	39.36	2,865	11.78	39	0.16	34	0.14	-	-
Mesela	18,375	71.11	4,568	17.68	2,762	10.69	-	-	64	0.25	71	0.27
Chiro	31,785	50.96	24,396	39.12	5,845	9.37	93	0.15	249	0.40	-	-
Goba Koricha	4,011	20.04	6,724	33.60	7,579	37.87	479	2.39	1,221	6.10	-	-
Anchar	2,571	19.14	7,496	55.82	2,888	21.50	58	0.43	363	2.70	54	0.40
Habro	13,539	44.56	9,919	32.64	5,974	19.66	37	0.12	184	0.61	733	2.41
Darolebu	5,943	22.03	10,859	40.25	9,781	36.26	-	-	351	1.30	44	0.16
Boke	8,525	38.50	8,668	39.14	4,659	21.04	40	0.18	225	1.02	27	0.12
Kuni	10,734	40.20	11,399	42.69	4,281	16.03	186	0.70	64	0.24	37	0.14
East Harerge Zone	269,538	69.61	55,218	14.26	54,162	13.99	1,236	0.32	4,368	1.13	2,671	0.69
Kombolcha	18,987	91.68	1,222	5.90	501	2.42	-	-	-	-	-	-
Jarso	12,373	72.56	2,390	14.02	1,814	10.64	-	-	429	2.52	46	0.27
Gursum	13,521	52.88	7,086	27.72	3,395	13.28	801	3.13	615	2.41	149	0.58
Babile	2,899	28.32	1,495	14.60	1,829	17.87	230	2.25	1,434	14.01	2,350	22.96
Fedis	11,286	45.94	3,383	13.77	9,682	39.41	85	0.35	97	0.39	32	0.13
Haro Maya	28,890	91.99	634	2.02	1,793	5.71	-	-	87	0.28	-	-
Kurfa Chele	5,090	71.47	1,459	20.49	573	8.05	-	-	-	-	-	-
Kersa	19,848	71.54	5,644	20.34	2,155	7.77	-	-	98	0.35	-	-

Table 8.7B: - Number of Crop Holders that Owned 'Deger' by Geographic area

Geographic area	Number of Crop holders that owned											
	No 'Deger'		One 'Deger'		Two 'Degers'		Three 'Degers'		Four 'Degers'		Five and above 'Degers'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	28,608	65.35	6,086	13.90	8,840	20.19	49	0.11	192	0.44	-	-
Goro Gutu	14,613	56.82	6,126	23.82	4,979	19.36	-	-	-	-	-	-
Deder	25,013	65.37	8,774	22.93	3,803	9.94	60	0.16	563	1.47	52	0.14
Malka Balo	18,649	74.81	3,934	15.78	2,233	8.96	-	-	114	0.46	-	-
Bedeno	33,624	77.55	3,595	8.29	5,548	12.80	-	-	589	1.36	-	-
Girawa	34,166	87.86	3,274	8.42	1,446	3.72	-	-	-	-	-	-
Gola Oda	1,972	25.09	116	1.48	5,570	70.86	11	0.14	149	1.90	43	0.55
Bale Zone	86,591	33.43	93,035	35.91	66,977	25.85	2,565	0.99	8,879	3.43	1,011	0.39
Kokosa	22,284	95.33	568	2.43	453	1.94	-	-	38	0.16	32	0.14
Dodola	8,489	35.89	7,748	32.76	5,299	22.41	286	1.21	1,525	6.45	303	1.28
Adaba	4,781	24.08	8,159	41.09	5,775	29.08	733	3.69	382	1.92	26	0.13
Agarfa	2,207	16.79	5,092	38.73	4,648	35.36	301	2.29	811	6.17	87	0.66
Gasera	3,108	25.71	4,211	34.84	4,186	34.63	154	1.27	390	3.23	39	0.32
Gololcha	2,831	18.98	1,145	7.68	8,774	58.83	34	0.23	1,987	13.32	143	0.96
Legehida	1,316	16.26	5,876	72.60	877	10.84	25	0.31	-	-	-	-
Ginir	4,041	18.66	5,840	26.97	9,884	45.65	244	1.13	1,554	7.18	90	0.42
Sinanana Dinsho	4,036	16.15	10,199	40.82	9,305	37.24	298	1.19	1,048	4.19	102	0.41
Goba	1,211	16.86	4,185	58.26	1,655	23.04	83	1.16	39	0.54	10	0.14
Mennana Arena Buluk	7,190	37.45	10,184	53.05	1,685	8.78	-	-	139	0.72	-	-
Nensebo	12,745	89.95	895	6.32	398	2.81	18	0.13	78	0.55	35	0.25
Meda Welabu	2,854	22.73	8,303	66.12	1,270	10.11	73	0.58	57	0.45	-	-
Berbere	2,894	28.34	5,574	54.58	1,651	16.17	13	0.13	81	0.79	-	-
Guradamole	573	13.77	779	18.73	2,532	60.87	-	-	247	5.94	29	0.70
Goro	1,622	10.18	8,788	55.15	4,738	29.74	287	1.80	399	2.50	100	0.63
Raytu	2,308	37.42	1,368	22.18	2,407	39.02	-	-	78	1.26	7	0.11
Seweyna	2,100	27.23	4,120	53.43	1,438	18.65	17	0.22	28	0.36	8	0.10
Borena Zone	186,539	65.89	50,823	17.95	34,154	12.06	1,313	0.46	7,485	2.64	2,790	0.99
Uraga	35,608	83.54	4,346	10.20	2,181	5.12	62	0.15	426	1.00	-	-
Bore	15,730	51.69	8,026	26.37	6,235	20.49	-	-	442	1.45	-	-
Adolana Wadera	7,674	33.93	10,849	47.97	3,576	15.81	353	1.56	123	0.54	41	0.18
Odo Shakiso	10,222	72.94	3,106	22.16	636	4.54	-	-	51	0.36	-	-
Hager Mariam	74,194	86.16	5,806	6.74	3,085	3.58	418	0.49	1,374	1.60	1,239	1.44
Yabelo	3,905	38.74	2,130	21.13	2,827	28.04	48	0.48	790	7.84	381	3.78
Arero	1,661	49.86	724	21.74	649	19.48	3	0.09	234	7.02	60	1.80
Liben	5,129	34.55	7,071	47.64	2,061	13.88	219	1.48	319	2.15	45	0.30
Moyale	4,447	41.42	2,065	19.23	2,628	24.48	54	0.50	1,355	12.62	187	1.74
Dire	4,043	29.47	1,984	14.46	5,504	40.12	99	0.72	1,619	11.80	470	3.43
Teltele	1,958	26.60	1,361	18.49	3,191	43.35	58	0.79	467	6.34	326	4.43
Gelana Abaya	21,967	80.68	3,356	12.33	1,580	5.80	-	-	286	1.05	40	0.15

Table 8.8B:- Number of Crop Holders that Owned 'Erfe' by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'Erfe'		One 'Erfe'		Two 'Erfes'		Three 'Erfes'		Four 'Erfes'		Five and above 'Erfes'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	1,447,331	36.35	1,782,071	44.76	576,349	14.47	97,016	2.44	55,865	1.40	23,072	0.58
West Welega Zone	119,177	37.96	155,067	49.40	29,345	9.35	6,507	2.07	2,981	0.95	846	0.27
Mana Sibu	7,597	28.11	15,958	59.06	2,484	9.19	560	2.07	360	1.33	63	0.23
Nejo	5,644	31.50	9,422	52.59	2,172	12.12	424	2.37	229	1.28	25	0.14
Gimbi	6,935	40.57	9,225	53.96	792	4.63	64	0.37	60	0.35	20	0.12
Lalo Asabi	4,273	39.18	6,143	56.33	323	2.96	114	1.05	34	0.31	19	0.17
Boji	5,517	36.32	7,832	51.57	1,324	8.72	295	1.94	139	0.92	81	0.53
Ayra Guliso	5,276	32.23	9,215	56.29	1,413	8.63	278	1.70	108	0.66	81	0.49
Jarso	3,135	19.36	9,158	56.57	2,820	17.42	700	4.32	357	2.21	20	0.12
Gidami	5,562	40.79	6,504	47.70	1,381	10.13	126	0.92	51	0.37	12	0.09
Jimma Horo	2,108	30.69	3,686	53.66	786	11.44	126	1.83	142	2.07	21	0.31
Hawa Welel	7,200	41.58	7,577	43.76	1,865	10.77	329	1.90	172	0.99	172	0.99
Gawo Dale	8,031	33.72	11,872	49.84	2,527	10.61	953	4.00	368	1.54	69	0.29
Dale Sadi	3,630	32.65	5,936	53.40	1,213	10.91	182	1.64	87	0.78	69	0.62
Yubdo	1,618	28.69	3,121	55.34	809	14.34	65	1.15	21	0.37	6	0.11
Ganji	3,681	38.30	4,700	48.90	1,002	10.43	196	2.04	21	0.22	11	0.11
Haru	5,021	43.63	5,620	48.84	643	5.59	85	0.74	98	0.85	41	0.36
Nole Kaba	8,512	36.39	10,709	45.79	3,011	12.87	779	3.33	346	1.48	31	0.13
Lalo Kilie	2,404	30.43	4,120	52.15	1,090	13.80	163	2.06	90	1.14	33	0.42
Sayo	10,366	52.24	7,721	38.91	1,449	7.30	283	1.43	25	0.13	-	-
Anfilo	8,769	74.01	2,432	20.53	461	3.89	59	0.50	127	1.07	-	-
Begi	13,896	45.21	14,115	45.93	1,779	5.79	725	2.36	147	0.48	72	0.23
East Welega Zone	74,647	28.61	125,208	47.99	44,063	16.89	9,743	3.73	4,754	1.82	2,478	0.95
Limu	8,049	38.90	10,390	50.22	1,796	8.68	231	1.12	199	0.96	25	0.12
Ibantu	1,186	23.31	2,623	51.56	483	9.49	316	6.21	323	6.35	156	3.07
Gida Kiremu	6,967	31.43	9,193	41.47	4,380	19.76	1,044	4.71	374	1.69	210	0.95
Jarte	1,251	16.99	3,648	49.55	1,810	24.58	485	6.59	129	1.75	40	0.54
Amuru	1,758	22.72	2,998	38.74	2,463	31.83	354	4.57	89	1.15	77	0.99
Abe Dongoro	4,258	44.96	3,863	40.79	1,116	11.78	146	1.54	58	0.61	29	0.31
Jimma Horo	5,360	22.31	11,736	48.85	4,639	19.31	1,437	5.98	533	2.22	318	1.32
Abay Chomen	967	20.51	1,908	40.47	1,283	27.21	257	5.45	193	4.09	107	2.27
Guduru	5,438	25.27	10,007	46.50	4,500	20.91	711	3.30	678	3.15	186	0.86
Jimma Rare	1,736	22.43	3,596	46.47	1,860	24.04	299	3.86	203	2.62	44	0.57
Bila Seyo	3,913	29.05	6,698	49.73	1,947	14.45	447	3.32	342	2.54	123	0.91
Sibu Sire	4,037	26.55	7,764	51.07	2,629	17.29	466	3.07	182	1.20	125	0.82
Guto Wayu	9,297	32.64	14,106	49.52	4,395	15.43	439	1.54	156	0.55	94	0.33
Sasiga	4,725	41.64	5,456	48.09	718	6.33	272	2.40	147	1.30	28	0.25
Leka Dulecha	2,812	26.64	6,068	57.49	1,211	11.47	249	2.36	203	1.92	12	0.11
Diga	4,288	36.13	5,378	45.32	1,369	11.54	596	5.02	206	1.74	31	0.26
Jimma Arjo	3,684	27.63	6,652	49.89	2,386	17.90	514	3.86	59	0.44	38	0.29
Nunu Kumba	2,082	19.95	4,625	44.31	1,642	15.73	933	8.94	542	5.19	614	5.88
Wama Bonaya	2,841	18.12	8,499	54.20	3,435	21.91	546	3.48	140	0.89	219	1.40
Illibabor Zone	61,968	31.73	100,290	51.36	25,971	13.30	4,022	2.06	2,072	1.06	964	0.49
Darimu	8,690	38.93	9,664	43.29	3,060	13.71	405	1.81	439	1.97	66	0.30
Supena Sodo	4,461	33.95	6,395	48.67	1,946	14.81	170	1.29	167	1.27	-	-
Chora	6,264	32.03	10,212	52.22	2,345	11.99	500	2.56	143	0.73	90	0.46
Dega	2,239	21.97	5,476	53.73	1,829	17.95	348	3.41	182	1.79	117	1.15
Bedele	5,335	26.01	11,568	56.39	2,972	14.49	207	1.01	247	1.20	184	0.90
Gechi	2,614	24.00	6,746	61.93	1,331	12.22	158	1.45	29	0.27	15	0.14
Borecha Wereda	2,347	25.99	4,936	54.66	1,427	15.80	288	3.19	21	0.23	11	0.12
Dedesa	3,780	26.94	6,958	49.58	2,379	16.95	599	4.27	179	1.28	138	0.98
yayu	6,751	35.16	9,659	50.30	2,201	11.46	390	2.03	104	0.54	96	0.50
Metu	9,672	42.70	10,115	44.66	2,304	10.17	230	1.02	228	1.01	102	0.45

Table 8.8B:- Number of Crop Holders that Owned 'Erfe' by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'Erfe'		One 'Erfe'		Two 'Erfes'		Three 'Erfes'		Four 'Erfes'		Five and above 'Erfes'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	4,824	27.79	10,422	60.05	1,700	9.79	259	1.49	108	0.62	43	0.25
Bure	3,776	31.49	5,557	46.34	1,981	16.52	384	3.20	197	1.64	97	0.81
Nono	1,215	27.54	2,583	58.56	496	11.24	83	1.88	28	0.63	6	0.14
Jimma Zone	125,698	28.35	242,444	54.69	61,005	13.76	9,047	2.04	3,947	0.89	1,174	0.26
Limu Seka	5,323	18.20	19,223	65.73	4,077	13.94	401	1.37	184	0.63	37	0.13
Limu Kosa	10,220	22.26	27,901	60.76	7,122	15.51	408	0.89	270	0.59	-	-
Sokoru	6,318	24.69	14,888	58.19	3,594	14.05	437	1.71	158	0.62	191	0.75
Tiro Afeta	5,520	22.87	13,618	56.42	4,106	17.01	546	2.26	252	1.04	93	0.39
Kersa	4,833	16.40	19,929	67.62	3,955	13.42	576	1.95	181	0.61	-	-
Mana	12,260	44.08	13,764	49.48	1,654	5.95	107	0.38	31	0.11	-	-
Goma	24,243	48.95	19,968	40.32	4,243	8.57	738	1.49	203	0.41	128	0.26
Gera	4,056	19.50	12,930	62.15	2,653	12.75	755	3.63	122	0.59	287	1.38
Seka chekorsa	19,944	35.35	26,573	47.10	7,168	12.70	1,629	2.89	1,030	1.83	78	0.14
Dedo	12,759	23.61	30,426	56.31	8,929	16.52	1,201	2.22	661	1.22	59	0.11
Omonada	8,552	18.60	25,548	55.57	9,406	20.46	1,601	3.48	741	1.61	124	0.27
Sigmo	5,169	32.04	8,616	53.41	1,761	10.92	391	2.42	65	0.40	130	0.81
Setema	6,500	35.62	9,060	49.65	2,338	12.81	256	1.40	48	0.26	47	0.26
West Shewa Zone	138,387	27.53	233,024	46.36	98,459	19.59	17,257	3.43	10,997	2.19	4,467	0.89
Ginde Beret	8,648	25.72	16,796	49.94	6,962	20.70	481	1.43	655	1.95	88	0.26
Jeldu	9,307	27.62	18,722	55.55	4,926	14.62	274	0.81	472	1.40	-	-
Ambo	11,184	27.87	18,397	45.85	7,485	18.66	1,854	4.62	702	1.75	500	1.25
Cheliya	9,265	25.03	18,736	50.62	6,807	18.39	1,479	4.00	423	1.14	301	0.81
Bako Tibe	5,241	27.03	9,388	48.42	3,511	18.11	807	4.16	325	1.68	117	0.60
Dano	3,172	20.41	8,420	54.17	3,107	19.99	441	2.84	280	1.80	124	0.80
Nono	4,427	19.13	11,929	51.55	5,211	22.52	696	3.01	570	2.46	307	1.33
Tikur	5,036	39.98	6,535	51.88	721	5.72	231	1.83	73	0.58	-	-
Amaya	5,190	23.65	11,099	50.58	4,272	19.47	752	3.43	509	2.32	121	0.55
Wonchi	8,000	45.96	7,793	44.77	1,294	7.43	222	1.28	74	0.43	22	0.13
Dendi	11,026	29.71	17,067	46.00	7,209	19.43	968	2.61	657	1.77	179	0.48
Ejerie	3,957	26.00	5,900	38.77	3,911	25.70	732	4.81	510	3.35	209	1.37
Adda Berga	4,300	22.28	7,543	39.08	5,366	27.80	1,216	6.30	639	3.31	238	1.23
Walmara	4,254	24.92	6,579	38.53	4,943	28.95	704	4.12	415	2.43	178	1.04
Alem Gana	5,991	29.07	7,399	35.91	5,412	26.26	579	2.81	847	4.11	379	1.84
Kersana Kondaltiti	4,098	18.58	12,467	56.54	4,130	18.73	748	3.39	505	2.29	103	0.47
Tole	1,795	17.26	4,537	43.62	2,800	26.92	646	6.21	401	3.86	222	2.13
Elu	2,712	26.19	1,550	14.97	3,491	33.72	1,066	10.30	1,112	10.74	423	4.09
Dawo	2,446	18.72	5,372	41.11	3,338	25.54	1,091	8.35	574	4.39	247	1.89
Walisona Goro	15,086	42.34	14,993	42.08	4,708	13.21	712	2.00	91	0.26	43	0.12
Becho	2,237	19.81	2,639	23.37	3,824	33.86	1,153	10.21	800	7.08	641	5.68
Kokir	4,014	32.47	6,228	50.38	1,530	12.38	316	2.56	246	1.99	28	0.23
Meta Robi	6,999	29.61	12,934	54.71	3,500	14.81	88	0.37	118	0.50	-	-
North Shewa(Oromia) Zone	49,567	20.91	98,209	41.44	68,038	28.71	11,376	4.80	7,144	3.01	2,677	1.13
Wara Jarso	5,574	22.29	7,611	30.43	8,537	34.14	2,087	8.34	975	3.90	225	0.90
Dera	10,478	29.91	15,200	43.39	7,694	21.96	1,128	3.22	413	1.18	122	0.35
Hidabu Abote	4,227	26.61	7,831	49.30	3,429	21.59	185	1.16	192	1.21	20	0.13
Kuyu	4,923	24.50	7,458	37.12	6,220	30.96	828	4.12	469	2.33	192	0.96
Degem	4,671	26.04	9,697	54.06	3,086	17.21	272	1.52	119	0.66	91	0.51
Gerar Jarso	1,446	10.99	6,480	49.23	4,361	33.13	579	4.40	243	1.85	54	0.41
Yaya Gulelena Debre	2,923	17.64	6,108	36.87	6,180	37.31	855	5.16	354	2.14	146	0.88
Wuchalena Jido	3,370	15.31	11,081	50.33	6,317	28.69	790	3.59	350	1.59	109	0.50
Abichuna Gna'a	2,023	17.05	5,206	43.87	3,801	32.03	469	3.95	320	2.70	49	0.41
Kembibit	2,317	21.34	4,783	44.04	2,827	26.03	527	4.85	289	2.66	117	1.08
Berehna Aleltu	4,551	18.37	7,812	31.53	7,178	28.97	1,897	7.66	2,081	8.40	1,255	5.07
Mulona Sululta	3,068	12.89	8,942	37.56	8,409	35.32	1,759	7.39	1,337	5.62	295	1.24

Table 8.8B:- Number of Crop Holders that Owned 'Erfe' by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'Erfe'		One 'Erfe'		Two 'Erfes'		Three 'Erfes'		Four 'Erfes'		Five and above 'Erfes'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	87,242	27.70	157,903	50.13	50,897	16.16	8,847	2.81	7,329	2.33	2,748	0.87
Fentale	3,150	47.18	2,991	44.80	252	3.77	105	1.57	29	0.43	150	2.25
Boset	6,638	26.73	11,245	45.28	5,542	22.31	885	3.56	457	1.84	70	0.28
Adama	8,164	30.34	12,331	45.83	4,813	17.89	880	3.27	511	1.90	207	0.77
Lome	3,471	23.83	5,467	37.54	3,833	26.32	878	6.03	620	4.26	295	2.03
Gimbichu	2,763	17.75	4,410	28.33	5,802	37.27	712	4.57	1,452	9.33	430	2.76
Ada'a Liben Chukala	10,608	26.40	15,333	38.16	10,075	25.08	2,128	5.30	1,303	3.24	729	1.81
Dugda Bora	5,649	19.58	15,945	55.28	5,732	19.87	913	3.17	350	1.21	255	0.88
Adami Tullu Jido Kombolcha	7,535	31.67	13,536	56.89	2,202	9.25	316	1.33	151	0.63	54	0.23
Arsi Negele	7,487	28.16	15,439	58.08	3,079	11.58	318	1.20	205	0.77	56	0.21
Shashemene	16,914	36.68	26,370	57.19	2,440	5.29	280	0.61	104	0.23	-	-
Seraro	11,992	24.88	30,799	63.89	3,025	6.27	705	1.46	1,535	3.18	153	0.32
Akaki	2,864	22.56	4,038	31.81	4,104	32.33	729	5.74	613	4.83	348	2.74
Arsi Zone	121,043	24.55	233,684	47.40	108,782	22.07	16,819	3.41	8,679	1.76	4,000	0.81
Merti	5,361	23.56	10,451	45.94	5,152	22.65	967	4.25	536	2.36	283	1.24
Aseko	3,721	25.85	6,904	47.96	3,260	22.65	337	2.34	111	0.77	63	0.44
Gololcha	9,536	32.68	15,477	53.04	2,279	7.81	1,068	3.66	330	1.13	488	1.67
Jeju	5,517	24.83	12,196	54.89	3,678	16.55	489	2.20	191	0.86	146	0.66
Dodotana Sire	6,467	28.26	9,204	40.21	5,652	24.70	927	4.05	516	2.25	121	0.53
Zeway Dugda	4,721	22.27	11,591	54.67	3,990	18.82	632	2.98	210	0.99	56	0.26
Hitosa	8,989	22.91	16,685	42.53	11,203	28.56	1,161	2.96	609	1.55	582	1.48
Sude	5,110	20.04	14,474	56.76	4,744	18.60	821	3.22	159	0.62	193	0.76
Chole	3,334	20.94	7,728	48.55	3,820	24.00	689	4.33	274	1.72	73	0.46
Amigna	1,821	16.29	6,169	55.20	2,544	22.76	375	3.36	197	1.76	70	0.63
Seru	2,808	15.42	9,417	51.73	4,843	26.60	711	3.91	363	1.99	63	0.35
Robe	5,076	18.76	13,742	50.78	6,616	24.45	1,076	3.98	429	1.59	123	0.45
Tena	4,626	22.37	9,943	48.07	5,239	25.33	603	2.92	222	1.07	51	0.25
Sherka	5,125	19.41	13,813	52.31	5,933	22.47	896	3.39	472	1.79	166	0.63
Digeluna Tijo	5,009	22.58	8,820	39.76	5,813	26.21	1,251	5.64	844	3.81	444	2.00
Tiyo	4,214	26.37	5,903	36.94	4,327	27.08	873	5.46	455	2.85	206	1.29
Munesa	8,381	23.83	16,585	47.16	8,183	23.27	998	2.84	809	2.30	215	0.61
Bekoji	7,724	21.46	15,775	43.83	9,840	27.34	1,533	4.26	882	2.45	241	0.67
Gedeb	4,542	18.28	10,659	42.90	7,543	30.36	998	4.02	688	2.77	417	1.68
Kofele	18,956	45.10	18,148	43.18	4,126	9.82	416	0.99	382	0.91	-	-
West Harerge Zone	118,482	40.67	147,181	50.52	19,631	6.74	3,225	1.11	1,621	0.56	1,216	0.42
Mieso	3,118	19.01	11,145	67.96	1,240	7.56	567	3.46	187	1.14	143	0.87
Doba	6,196	27.21	12,597	55.33	3,400	14.93	386	1.70	158	0.69	31	0.14
Tulo	11,806	48.53	11,176	45.94	1,248	5.13	99	0.41	-	-	-	-
Mesela	18,277	70.73	6,688	25.88	616	2.38	188	0.73	71	0.27	-	-
Chiro	32,317	51.82	26,608	42.66	3,309	5.31	86	0.14	48	0.08	-	-
Goba Koricha	4,123	20.60	12,468	62.30	2,562	12.80	644	3.22	217	1.08	-	-
Anchar	2,631	19.59	9,203	68.53	1,299	9.67	168	1.25	101	0.75	28	0.21
Habro	13,349	43.93	15,064	49.58	905	2.98	153	0.50	35	0.12	880	2.90
Darolebu	6,371	23.62	18,301	67.84	1,782	6.61	316	1.17	172	0.64	36	0.13
Boke	9,429	42.58	11,513	51.99	875	3.95	119	0.54	179	0.81	29	0.13
Kuni	10,866	40.70	12,417	46.50	2,396	8.97	500	1.87	453	1.70	69	0.26
East Harerge Zone	273,088	70.53	103,347	26.69	9,386	2.42	890	0.23	401	0.10	81	0.02
Kombolcha	19,231	92.86	1,424	6.88	55	0.27	-	-	-	-	-	-
Jarso	12,627	74.05	3,825	22.43	486	2.85	92	0.54	-	-	22	0.13
Gursum	12,459	48.73	12,188	47.67	849	3.32	33	0.13	-	-	38	0.15
Babile	2,761	26.97	6,209	60.65	983	9.60	176	1.72	90	0.88	18	0.18
Fedis	11,720	47.71	11,615	47.28	1,003	4.08	121	0.49	106	0.43	-	-
Haro Maya	29,233	93.09	1,946	6.20	225	0.72	-	-	-	-	-	-
Kurfa Chele	5,162	72.48	1,862	26.14	98	1.38	-	-	-	-	-	-
Kersa	20,820	75.04	6,584	23.73	309	1.11	32	0.12	-	-	-	-

Table 8.8B:- Number of Crop Holders that Owned 'Erfe' by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'Erfe'		One 'Erfe'		Two 'Erfes'		Three 'Erfes'		Four 'Erfes'		Five and above 'Erfes'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	28,748	65.67	13,985	31.95	931	2.13	111	0.25	-	-	-	-
Goro Gutu	14,658	57.00	10,274	39.95	786	3.06	-	-	-	-	-	-
Deder	25,717	67.21	11,308	29.55	1,066	2.79	54	0.14	120	0.31	-	-
Malka Balo	18,726	75.11	5,528	22.17	540	2.17	100	0.40	36	0.14	-	-
Bedeno	34,425	79.40	7,339	16.93	1,443	3.33	149	0.34	-	-	-	-
Girawa	34,766	89.40	3,949	10.16	171	0.44	-	-	-	-	-	-
Gola Oda	2,035	25.89	5,311	67.56	439	5.58	22	0.28	50	0.64	4	0.05
Bale Zone	89,990	34.74	111,830	43.17	46,184	17.83	6,244	2.41	3,683	1.42	1,127	0.44
Kokosa	22,556	96.50	699	2.99	56	0.24	32	0.14	32	0.14	-	-
Dodola	8,795	37.19	8,270	34.97	5,086	21.51	649	2.74	559	2.36	291	1.23
Adaba	4,959	24.97	7,941	39.99	5,533	27.87	957	4.82	383	1.93	83	0.42
Agarfa	2,232	16.98	5,892	44.82	3,914	29.77	641	4.88	303	2.30	164	1.25
Gasera	3,218	26.62	5,959	49.30	2,442	20.20	262	2.17	191	1.58	16	0.13
Gololcha	2,965	19.88	7,275	48.78	3,739	25.07	583	3.91	173	1.16	179	1.20
Legehida	1,411	17.43	5,925	73.20	706	8.72	41	0.51	11	0.14	-	-
Ginir	4,369	20.18	11,085	51.19	5,164	23.85	581	2.68	389	1.80	65	0.30
Sinanana Dinsho	4,098	16.40	10,799	43.22	8,174	32.71	1,034	4.14	750	3.00	133	0.53
Goba	1,291	17.97	3,695	51.44	1,865	25.96	269	3.74	46	0.64	17	0.24
Mennana Arena Buluk	7,545	39.30	10,550	54.95	904	4.71	104	0.54	95	0.49	-	-
Nensebo	12,757	90.03	1,065	7.52	229	1.62	51	0.36	49	0.35	18	0.13
Meda Welabu	3,413	27.18	7,945	63.27	917	7.30	156	1.24	105	0.84	21	0.17
Berbere	2,951	28.89	6,183	60.54	965	9.45	101	0.99	-	-	13	0.13
Guradamole	641	15.41	2,874	69.09	574	13.80	22	0.53	49	1.18	-	-
Goro	1,751	10.99	7,870	49.39	5,052	31.71	638	4.00	527	3.31	96	0.60
Raytu	2,626	42.57	3,083	49.98	362	5.87	65	1.05	-	-	32	0.52
Seweyna	2,412	31.28	4,720	61.21	503	6.52	56	0.73	20	0.26	-	-
Borena Zone	188,043	66.42	73,885	26.10	14,588	5.15	3,039	1.07	2,256	0.80	1,293	0.46
Uraga	35,606	83.54	5,935	13.92	839	1.97	62	0.15	181	0.42	-	-
Bore	16,189	53.20	13,313	43.75	828	2.72	36	0.12	67	0.22	-	-
Adolana Wadera	7,612	33.66	12,490	55.23	2,005	8.87	222	0.98	123	0.54	164	0.73
Odo Shakiso	10,230	72.99	3,523	25.14	242	1.73	20	0.14	-	-	-	-
Hager Mariam	74,607	86.64	8,238	9.57	1,614	1.87	799	0.93	763	0.89	95	0.11
Yabelo	3,901	38.70	4,021	39.89	1,465	14.53	347	3.44	224	2.22	123	1.22
Arero	1,658	49.77	1,127	33.83	346	10.39	96	2.88	75	2.25	29	0.87
Liben	5,210	35.10	7,154	48.19	1,851	12.47	326	2.20	114	0.77	189	1.27
Moyale	4,484	41.77	3,978	37.05	1,669	15.55	275	2.56	194	1.81	136	1.27
Dire	4,304	31.37	5,671	41.34	2,569	18.73	687	5.01	280	2.04	208	1.52
Teltele	2,019	27.43	3,975	54.00	694	9.43	168	2.28	195	2.65	310	4.21
Gelana Abaya	22,223	81.62	4,459	16.38	467	1.72	-	-	41	0.15	39	0.14

Table 8.9B:- Number of Crop Holders that Owned Plough-Beam by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Plough-Beam		One Plough-Beam		Two Plough-Beams		Three Plough-Beams		Four Plough-Beams		Five and above Plough-Beams	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	1,389,734	34.90	1,863,461	46.80	587,301	14.75	90,425	2.27	36,533	0.92	14,250	0.36
West Welega Zone	112,938	35.98	176,091	56.09	22,426	7.14	2,127	0.68	282	0.09	59	0.02
Mana Sibu	7,254	26.84	16,678	61.72	2,679	9.91	382	1.41	-	-	29	0.11
Nejo	5,219	29.13	10,949	61.11	1,517	8.47	231	1.29	-	-	-	-
Gimbi	6,860	40.13	9,455	55.31	760	4.45	21	0.12	-	-	-	-
Lalo Asabi	4,107	37.66	6,392	58.61	364	3.34	30	0.28	13	0.12	-	-
Boji	5,078	33.43	9,084	59.81	1,004	6.61	22	0.14	-	-	-	-
Ayra Guliso	5,086	31.07	9,931	60.66	1,176	7.18	137	0.84	41	0.25	-	-
Jarso	2,989	18.46	11,676	72.12	1,382	8.54	143	0.88	-	-	-	-
Gidami	5,512	40.42	6,864	50.34	1,018	7.47	220	1.61	-	-	22	0.16
Jimma Horo	1,582	23.03	4,308	62.72	868	12.64	66	0.96	36	0.52	9	0.13
Hawa Welel	6,848	39.55	8,773	50.67	1,446	8.35	202	1.17	46	0.27	-	-
Gawo Dale	7,167	30.09	14,101	59.20	2,421	10.16	131	0.55	-	-	-	-
Dale Sadi	3,643	32.77	6,563	59.04	756	6.80	140	1.26	15	0.13	-	-
Yubdo	1,555	27.57	3,542	62.80	498	8.83	38	0.67	7	0.12	-	-
Ganji	3,585	37.30	5,474	56.96	482	5.02	32	0.33	38	0.40	-	-
Haru	4,832	41.99	5,864	50.96	757	6.58	55	0.48	-	-	-	-
Nole Kaba	8,433	36.06	12,745	54.49	2,006	8.58	178	0.76	26	0.11	-	-
Lalo Kilie	2,169	27.46	4,966	62.86	736	9.32	19	0.24	10	0.13	-	-
Sayo	9,605	48.40	9,093	45.82	1,120	5.64	26	0.13	-	-	-	-
Anfilo	8,546	72.13	2,607	22.00	627	5.29	53	0.45	15	0.13	-	-
Begi	12,865	41.86	17,026	55.40	809	2.63	-	-	34	0.11	-	-
East Welega Zone	70,978	27.21	147,248	56.44	37,668	14.44	3,615	1.39	1,077	0.41	307	0.12
Limu	7,709	37.26	10,854	52.46	1,865	9.01	237	1.15	25	0.12	-	-
Ibantu	990	19.46	3,492	68.65	592	11.64	13	0.26	-	-	-	-
Gida Kiremu	6,734	30.38	12,269	55.35	2,806	12.66	359	1.62	-	-	-	-
Jarte	1,225	16.64	4,331	58.82	1,650	22.41	130	1.77	17	0.23	10	0.14
Amuru	1,654	21.37	4,218	54.50	1,695	21.90	132	1.71	10	0.13	30	0.39
Abe Dongoro	4,113	43.43	4,084	43.13	1,112	11.74	118	1.25	43	0.45	-	-
Jimma Horo	4,930	20.52	14,240	59.28	4,182	17.41	458	1.91	165	0.69	48	0.20
Abay Chomen	945	20.04	2,313	49.06	1,223	25.94	157	3.33	39	0.83	38	0.81
Guduru	5,402	25.10	10,368	48.18	4,980	23.14	356	1.65	324	1.51	90	0.42
Jimma Rare	1,730	22.36	4,216	54.48	1,677	21.67	62	0.80	31	0.40	22	0.28
Bila Seyo	3,836	28.48	7,900	58.65	1,483	11.01	194	1.44	18	0.13	39	0.29
Sibu Sire	3,940	25.92	9,115	59.96	2,018	13.27	130	0.86	-	-	-	-
Guto Wayu	8,512	29.88	16,670	58.52	2,879	10.11	368	1.29	58	0.20	-	-
Sasiga	4,151	36.59	6,388	56.30	724	6.38	44	0.39	39	0.34	-	-
Leka Dulecha	2,717	25.74	6,403	60.66	1,265	11.98	137	1.30	33	0.31	-	-
Diga	4,105	34.59	6,257	52.72	1,345	11.33	107	0.90	41	0.35	13	0.11
Jimma Arjo	3,451	25.88	7,623	57.17	2,044	15.33	181	1.36	17	0.13	17	0.13
Nunu Kumba	2,016	19.31	7,010	67.16	1,199	11.49	135	1.29	78	0.75	-	-
Wama Bonaya	2,818	17.97	9,497	60.57	2,929	18.68	297	1.89	139	0.89	-	-
Illibabor Zone	60,887	31.18	108,727	55.68	22,335	11.44	2,553	1.31	662	0.34	123	0.06
Darimu	8,410	37.67	11,220	50.26	2,348	10.52	257	1.15	89	0.40	-	-
Supena Sodo	4,399	33.48	7,196	54.77	1,359	10.34	153	1.16	32	0.24	-	-
Chora	6,087	31.13	10,709	54.77	2,220	11.35	434	2.22	104	0.53	-	-
Dega	2,305	22.62	6,098	59.84	1,466	14.39	225	2.21	72	0.71	25	0.25
Bedele	5,254	25.61	12,603	61.44	2,283	11.13	196	0.96	149	0.73	28	0.14
Gechi	2,574	23.63	6,972	64.00	1,220	11.20	127	1.17	-	-	-	-
Borecha Wereda	2,295	25.42	5,382	59.60	1,217	13.48	136	1.51	-	-	-	-
Dedesa	3,888	27.71	7,463	53.18	2,312	16.48	270	1.92	70	0.50	30	0.21
yayu	6,694	34.86	10,132	52.77	2,130	11.09	223	1.16	22	0.11	-	-
Metu	9,480	41.85	10,777	47.58	2,215	9.78	154	0.68	25	0.11	-	-

Table 8.9B:- Number of Crop Holders that Owned Plough-Beam by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Plough-Beam		One Plough-Beam		Two Plough-Beams		Three Plough-Beams		Four Plough-Beams		Five and above Plough-Beams	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	4,595	26.47	10,792	62.18	1,803	10.39	84	0.48	64	0.37	18	0.10
Bure	3,679	30.68	6,526	54.42	1,474	12.29	257	2.14	34	0.28	22	0.18
Nono	1,232	27.93	2,857	64.77	286	6.48	36	0.82	-	-	-	-
Jimma Zone	114,606	25.85	259,878	58.62	58,981	13.30	7,630	1.72	1,783	0.40	437	0.10
Limu Seka	4,768	16.30	21,203	72.50	3,084	10.55	190	0.65	-	-	-	-
Limu Kosa	10,164	22.13	28,772	62.66	6,251	13.61	641	1.40	93	0.20	-	-
Sokoru	6,012	23.50	15,391	60.15	3,490	13.64	506	1.98	114	0.45	73	0.29
Tiro Afeta	4,446	18.42	15,264	63.24	3,913	16.21	448	1.86	33	0.14	31	0.13
Kersa	3,536	12.00	20,569	69.79	4,799	16.28	493	1.67	77	0.26	-	-
Mana	11,203	40.28	14,635	52.61	1,713	6.16	150	0.54	115	0.41	-	-
Goma	22,815	46.07	21,328	43.07	5,054	10.21	202	0.41	124	0.25	-	-
Gera	3,919	18.84	13,663	65.68	2,510	12.07	462	2.22	179	0.86	70	0.34
Seka chekorsa	18,374	32.57	28,902	51.22	7,737	13.71	1,255	2.22	154	0.27	-	-
Dedo	10,940	20.25	34,195	63.28	7,159	13.25	1,157	2.14	517	0.96	67	0.12
Omonada	7,582	16.49	25,116	54.63	10,786	23.46	1,959	4.26	334	0.73	195	0.42
Sigmo	4,682	29.02	10,511	65.16	818	5.07	121	0.75	-	-	-	-
Setema	6,162	33.77	10,330	56.61	1,666	9.13	46	0.25	45	0.25	-	-
West Shewa Zone	135,020	26.86	244,885	48.72	100,193	19.94	13,487	2.68	6,616	1.32	2,390	0.48
Ginde Beret	8,567	25.47	18,314	54.46	6,322	18.80	301	0.90	126	0.37	-	-
Jeldu	9,121	27.06	19,550	58.01	4,705	13.96	194	0.58	89	0.26	42	0.12
Ambo	11,108	27.69	20,123	50.15	7,176	17.89	1,071	2.67	484	1.21	160	0.40
Cheliya	9,236	24.95	20,437	55.22	6,083	16.44	995	2.69	213	0.58	47	0.13
Bako Tibe	5,100	26.30	10,793	55.67	3,061	15.79	333	1.72	78	0.40	24	0.12
Dano	2,942	18.93	9,052	58.23	3,131	20.14	303	1.95	101	0.65	15	0.10
Nono	4,364	18.86	13,287	57.42	4,577	19.78	383	1.66	305	1.32	224	0.97
Tikur	5,002	39.71	6,998	55.56	540	4.29	42	0.33	-	-	14	0.11
Amaya	4,879	22.23	11,715	53.39	4,315	19.66	582	2.65	394	1.80	58	0.26
Wonchi	7,756	44.56	8,591	49.36	952	5.47	106	0.61	-	-	-	-
Dendi	10,856	29.26	17,377	46.83	7,428	20.02	1,025	2.76	279	0.75	141	0.38
Ejerie	3,741	24.58	5,273	34.65	4,625	30.39	799	5.25	571	3.75	210	1.38
Adda Berga	4,234	21.94	8,911	46.17	5,162	26.74	746	3.86	199	1.03	50	0.26
Walmara	4,256	24.93	5,278	30.91	5,855	34.29	904	5.29	454	2.66	326	1.91
Alem Gana	5,903	28.65	7,005	33.99	5,972	28.98	726	3.52	637	3.09	364	1.77
Kersana Kondaltiti	3,834	17.39	12,807	58.08	4,643	21.06	543	2.46	170	0.77	54	0.24
Tole	1,730	16.63	4,455	42.83	3,296	31.69	600	5.77	292	2.81	28	0.27
Elu	2,595	25.06	2,074	20.03	3,923	37.89	859	8.30	758	7.32	145	1.40
Dawo	2,421	18.53	5,058	38.71	4,256	32.57	896	6.86	373	2.85	64	0.49
Walisona Goro	14,593	40.95	15,704	44.07	4,756	13.35	358	1.00	222	0.62	-	-
Becho	2,221	19.67	2,841	25.15	3,980	35.24	1,243	11.01	633	5.60	376	3.33
Kokir	3,952	31.97	6,147	49.72	1,804	14.59	264	2.14	147	1.19	48	0.39
Meta Robi	6,607	27.95	13,096	55.40	3,631	15.36	212	0.90	93	0.39	-	-
North Shewa(Oromia) Zone	48,233	20.35	87,439	36.89	77,986	32.90	13,335	5.63	7,077	2.99	2,941	1.24
Wara Jarso	5,426	21.70	6,490	25.95	9,435	37.73	2,697	10.78	739	2.95	222	0.89
Dera	10,561	30.14	13,859	39.56	9,620	27.46	794	2.27	101	0.29	100	0.29
Hidabu Abote	4,039	25.43	7,758	48.84	3,782	23.81	251	1.58	54	0.34	-	-
Kuyu	4,971	24.74	6,065	30.19	7,192	35.80	1,298	6.46	396	1.97	168	0.84
Degem	4,291	23.92	9,699	54.08	3,586	19.99	213	1.19	123	0.69	24	0.13
Gerar Jarso	1,449	11.01	6,115	46.46	4,479	34.03	701	5.33	252	1.91	167	1.27
Yaya Gulelena Debre	2,869	17.32	5,171	31.21	7,070	42.68	979	5.91	399	2.41	78	0.47
Wuchalena Jido	3,491	15.86	9,341	42.43	7,822	35.53	824	3.74	444	2.02	95	0.43
Abichuna Gna'a	1,913	16.12	4,241	35.73	4,437	37.39	795	6.70	428	3.61	54	0.46
Kembibit	2,049	18.87	4,747	43.71	3,262	30.04	493	4.54	251	2.31	58	0.53
Berehna Aleltu	4,384	17.70	6,280	25.35	7,483	30.21	2,588	10.45	2,630	10.62	1,409	5.69
Mulona Sululta	2,793	11.73	7,671	32.22	9,817	41.23	1,704	7.16	1,258	5.28	567	2.38

Table 8.9B:- Number of Crop Holders that Owned Plough-Beam by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Plough-Beam		One Plough-Beam		Two Plough-Beams		Three Plough-Beams		Four Plough-Beams		Five and above Plough-Beams	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	81,034	25.73	164,764	52.31	55,060	17.48	7,735	2.46	4,402	1.40	1,971	0.63
Fentale	2,022	30.28	4,299	64.39	341	5.11	15	0.22	-	-	-	-
Boset	6,531	26.30	11,890	47.87	5,276	21.24	797	3.21	219	0.88	124	0.50
Adama	7,759	28.84	14,219	52.85	4,072	15.13	466	1.73	295	1.10	95	0.35
Lome	3,400	23.35	5,886	40.41	3,846	26.41	807	5.54	436	2.99	189	1.30
Gimbichu	2,652	17.03	4,299	27.61	6,130	39.37	1,065	6.84	1,128	7.25	295	1.89
Ada'a Liben Chukala	10,324	25.70	15,838	39.42	10,920	27.18	1,506	3.75	866	2.16	722	1.80
Dugda Bora	5,480	19.00	16,850	58.42	5,258	18.23	796	2.76	348	1.21	112	0.39
Adami Tullu Jido	6,329	26.60	14,177	59.58	2,900	12.19	333	1.40	24	0.10	31	0.13
Arsi Negele	6,981	26.26	15,492	58.28	3,607	13.57	395	1.49	82	0.31	27	0.10
Shashemene	15,973	34.64	25,476	55.25	4,024	8.73	344	0.75	291	0.63	-	-
Seraro	10,898	22.61	31,450	65.24	5,214	10.82	496	1.03	101	0.21	50	0.10
Akaki	2,679	21.10	4,888	38.50	3,472	27.35	717	5.65	614	4.84	326	2.57
Arsi Zone	113,910	23.11	209,353	42.46	128,466	26.06	27,115	5.50	9,816	1.99	4,347	0.88
Merti	5,305	23.32	9,891	43.48	5,907	25.96	1,210	5.32	403	1.77	34	0.15
Aseko	3,649	25.35	7,536	52.35	2,835	19.69	303	2.10	54	0.38	19	0.13
Gololcha	9,078	31.11	17,750	60.83	2,019	6.92	277	0.95	54	0.19	-	-
Jeju	5,243	23.60	11,128	50.09	4,917	22.13	688	3.10	163	0.73	78	0.35
Dodotana Sire	6,013	26.27	8,153	35.62	6,767	29.57	1,266	5.53	412	1.80	276	1.21
Zeway Dugda	4,710	22.22	12,155	57.33	3,755	17.71	478	2.25	74	0.35	28	0.13
Hitosa	8,477	21.61	14,602	37.22	10,968	27.96	3,039	7.75	1,404	3.58	739	1.88
Sude	4,765	18.69	11,867	46.54	7,204	28.25	1,282	5.03	255	1.00	128	0.50
Chole	3,206	20.14	7,600	47.74	3,868	24.30	911	5.72	251	1.58	82	0.52
Amigna	1,711	15.31	5,291	47.34	3,096	27.70	682	6.10	273	2.44	123	1.10
Seru	2,778	15.26	8,760	48.12	5,558	30.53	712	3.91	312	1.71	85	0.47
Robe	4,987	18.43	10,882	40.21	8,645	31.95	2,012	7.43	410	1.52	126	0.47
Tena	4,606	22.27	9,075	43.87	5,711	27.61	960	4.64	286	1.38	46	0.22
Sherka	4,925	18.65	9,890	37.46	8,356	31.65	2,443	9.25	625	2.37	166	0.63
Digeluna Tijo	4,759	21.46	6,837	30.82	6,699	30.20	2,136	9.63	951	4.29	799	3.60
Tiyo	4,069	25.47	4,873	30.50	4,628	28.96	1,504	9.41	703	4.40	201	1.26
Munesa	8,078	22.97	14,050	39.95	10,245	29.13	2,006	5.70	446	1.27	346	0.98
Bekoji	7,328	20.36	10,868	30.19	12,586	34.97	2,864	7.96	1,680	4.67	669	1.86
Gedeb	4,441	17.87	9,876	39.75	7,886	31.74	1,401	5.64	883	3.55	360	1.45
Kofele	15,780	37.55	18,269	43.47	6,817	16.22	940	2.24	179	0.43	43	0.10
West Harerge Zone	114,061	39.15	161,597	55.46	13,485	4.63	1,329	0.46	664	0.23	220	0.08
Mieso	2,879	17.55	12,489	76.15	959	5.85	73	0.45	-	-	-	-
Doba	5,449	23.93	15,612	68.57	1,430	6.28	185	0.81	92	0.40	-	-
Tulo	11,791	48.46	12,017	49.39	482	1.98	39	0.16	-	-	-	-
Mesela	17,661	68.35	7,658	29.64	484	1.87	37	0.14	-	-	-	-
Chiro	31,941	51.21	28,211	45.23	2,074	3.33	142	0.23	-	-	-	-
Goba Koricha	4,004	20.01	13,395	66.93	2,323	11.61	263	1.31	29	0.14	-	-
Anchar	2,574	19.17	9,496	70.71	1,230	9.16	130	0.97	-	-	-	-
Habro	12,871	42.36	15,362	50.56	1,374	4.52	266	0.88	330	1.09	183	0.60
Darolebu	5,866	21.74	19,548	72.46	1,391	5.16	68	0.25	105	0.39	-	-
Boke	8,460	38.20	12,676	57.24	809	3.65	92	0.42	107	0.48	-	-
Kuni	10,566	39.57	15,134	56.68	929	3.48	35	0.13	-	-	37	0.14
East Harerge Zone	265,262	68.51	116,438	30.07	4,993	1.29	401	0.10	64	0.02	35	0.01
Kombolcha	18,750	90.54	1,850	8.93	110	0.53	-	-	-	-	-	-
Jarso	12,338	72.36	4,458	26.14	234	1.37	22	0.13	-	-	-	-
Gursum	11,423	44.68	13,713	53.64	431	1.69	-	-	-	-	-	-
Babile	2,178	21.28	7,366	71.95	654	6.39	26	0.25	13	0.13	-	-
Fedis	10,963	44.63	13,141	53.49	404	1.64	57	0.23	-	-	-	-
Haro Maya	29,158	92.85	2,113	6.73	133	0.42	-	-	-	-	-	-
Kurfa Chele	5,014	70.40	1,988	27.91	120	1.68	-	-	-	-	-	-
Kersa	19,569	70.53	8,037	28.97	139	0.50	-	-	-	-	-	-

Table 8.9B:- Number of Crop Holders that Owned Plough-Beam by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Plough-Beam		One Plough-Beam		Two Plough-Beams		Three Plough-Beams		Four Plough-Beams		Five and above Plough-Beams	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	28,151	64.31	14,908	34.06	660	1.51	56	0.13	-	-	-	-
Goro Gutu	14,518	56.45	10,571	41.10	560	2.18	34	0.13	35	0.14	-	-
Deder	24,832	64.89	12,591	32.90	739	1.93	103	0.27	-	-	-	-
Malka Balo	18,647	74.80	5,905	23.69	351	1.41	27	0.11	-	-	-	-
Bedeno	33,573	77.44	9,661	22.28	68	0.16	54	0.12	-	-	-	-
Girawa	34,109	87.72	4,718	12.13	59	0.15	-	-	-	-	-	-
Gola Oda	2,037	25.91	5,420	68.95	332	4.22	21	0.27	16	0.20	35	0.45
Bale Zone	86,311	33.32	107,796	41.61	52,068	20.10	8,554	3.30	3,354	1.29	975	0.38
Kokosa	22,269	95.27	865	3.70	241	1.03	-	-	-	-	-	-
Dodola	8,448	35.72	7,769	32.85	5,224	22.09	1,251	5.29	817	3.45	141	0.60
Adaba	4,726	23.80	6,686	33.67	6,248	31.47	1,597	8.04	284	1.43	315	1.59
Agarfa	2,182	16.60	5,753	43.76	4,201	31.96	741	5.64	163	1.24	106	0.81
Gasera	3,116	25.78	5,992	49.57	2,366	19.57	479	3.96	122	1.01	13	0.11
Gololcha	2,689	18.03	7,891	52.91	3,691	24.75	542	3.63	73	0.49	28	0.19
Legehida	1,227	15.16	6,197	76.56	622	7.68	48	0.59	-	-	-	-
Ginir	4,034	18.63	10,470	48.35	6,151	28.41	477	2.20	434	2.00	87	0.40
Sinanana Dinsho	4,059	16.24	9,376	37.52	8,975	35.92	1,415	5.66	969	3.88	194	0.78
Goba	1,189	16.55	3,173	44.17	2,332	32.47	425	5.92	46	0.64	18	0.25
Mennana Arena Buluk	7,253	37.78	10,616	55.30	1,263	6.58	21	0.11	45	0.23	-	-
Nensebo	12,702	89.65	917	6.47	365	2.58	185	1.31	-	-	-	-
Meda Welabu	2,882	22.95	8,629	68.72	946	7.53	83	0.66	17	0.14	-	-
Berbere	2,887	28.27	6,185	60.56	1,102	10.79	26	0.25	13	0.13	-	-
Guradamole	587	14.11	2,724	65.48	779	18.73	54	1.30	16	0.38	-	-
Goro	1,620	10.17	6,414	40.25	6,313	39.62	1,169	7.34	345	2.17	73	0.46
Raytu	2,279	36.95	3,445	55.85	437	7.08	7	0.11	-	-	-	-
Seweyna	2,159	28.00	4,696	60.90	812	10.53	34	0.44	10	0.13	-	-
Borena Zone	186,494	65.87	79,245	27.99	13,640	4.82	2,545	0.90	736	0.26	444	0.16
Uraga	35,601	83.53	6,153	14.44	807	1.89	62	0.15	-	-	-	-
Bore	15,919	52.31	13,488	44.32	974	3.20	-	-	52	0.17	-	-
Adolana Wadera	7,638	33.77	12,911	57.09	1,726	7.63	232	1.03	109	0.48	-	-
Odo Shakiso	10,245	73.10	3,619	25.82	121	0.86	30	0.21	-	-	-	-
Hager Mariam	74,194	86.16	9,511	11.04	1,576	1.83	835	0.97	-	-	-	-
Yabelo	3,639	36.10	4,412	43.77	1,430	14.19	283	2.81	182	1.81	135	1.34
Arero	1,638	49.17	1,250	37.53	360	10.81	68	2.04	-	-	15	0.45
Liben	5,080	34.22	7,995	53.86	1,524	10.27	158	1.06	87	0.59	-	-
Moyale	4,593	42.78	4,382	40.82	1,354	12.61	268	2.50	43	0.40	96	0.89
Dire	4,128	30.09	6,576	47.93	2,270	16.55	453	3.30	178	1.30	114	0.83
Teltele	1,965	26.69	4,117	55.93	956	12.99	155	2.11	85	1.15	83	1.13
Gelana Abaya	21,857	80.27	4,831	17.74	541	1.99	-	-	-	-	-	-

Table 8.10B:- Number of Crop Holders that Owned Plough-Tip by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Plough-Tip		One Plough-Tip		Two Plough-Tips		Three Plough-Tips		Four Plough-Tips		Five and above Plough-Tips	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	1,379,046	34.63	2,163,999	54.35	388,456	9.76	35,329	0.89	11,120	0.28	3,754	0.09
West Welega Zone	114,034	36.33	180,458	57.48	17,794	5.67	1,297	0.41	189	0.06	151	0.05
Mana Sibu	7,411	27.43	17,371	64.28	2,023	7.49	156	0.58	32	0.12	29	0.11
Nejo	5,122	28.59	11,158	62.28	1,411	7.88	113	0.63	22	0.12	90	0.50
Gimbi	6,733	39.38	9,629	56.32	714	4.18	20	0.12	-	-	-	-
Lalo Asabi	4,060	37.23	6,510	59.69	306	2.81	30	0.28	-	-	-	-
Boji	5,169	34.03	9,253	60.92	748	4.92	18	0.12	-	-	-	-
Ayra Guliso	4,992	30.49	10,147	61.98	1,077	6.58	135	0.82	20	0.12	-	-
Jarso	3,106	19.18	11,801	72.89	1,235	7.63	48	0.30	-	-	-	-
Gidami	5,537	40.61	7,451	54.64	545	4.00	103	0.76	-	-	-	-
Jimma Horo	1,699	24.73	4,596	66.91	535	7.79	23	0.33	7	0.10	9	0.13
Hawa Welel	6,952	40.15	9,341	53.95	899	5.19	76	0.44	25	0.14	22	0.13
Gawo Dale	7,430	31.19	14,739	61.88	1,620	6.80	31	0.13	-	-	-	-
Dale Sadi	3,605	32.43	6,801	61.18	614	5.52	82	0.74	15	0.13	-	-
Yubdo	1,575	27.93	3,582	63.51	446	7.91	30	0.53	7	0.12	-	-
Ganji	3,576	37.21	5,562	57.87	431	4.48	22	0.23	20	0.21	-	-
Haru	4,860	42.23	6,066	52.71	555	4.82	13	0.11	14	0.12	-	-
Nole Kaba	8,479	36.25	12,831	54.86	1,913	8.18	139	0.59	26	0.11	-	-
Lalo Kilie	2,245	28.42	5,060	64.05	554	7.01	41	0.52	-	-	-	-
Sayo	9,965	50.22	9,056	45.64	823	4.15	-	-	-	-	-	-
Anfilo	8,415	71.02	2,901	24.49	490	4.14	42	0.35	-	-	-	-
Begi	13,103	42.63	16,601	54.02	855	2.78	175	0.57	-	-	-	-
East Welega Zone	71,293	27.33	156,193	59.87	30,278	11.61	2,419	0.93	549	0.21	161	0.06
Limu	7,705	37.24	11,315	54.69	1,594	7.70	76	0.37	-	-	-	-
Ibantu	1,010	19.85	3,250	63.89	763	15.00	50	0.98	14	0.28	-	-
Gida Kiremu	6,799	30.67	12,859	58.01	2,315	10.44	143	0.65	21	0.09	31	0.14
Jarte	1,158	15.73	4,628	62.85	1,468	19.94	100	1.36	9	0.12	-	-
Amuru	1,587	20.51	4,767	61.60	1,246	16.10	112	1.45	-	-	27	0.35
Abe Dongoro	4,125	43.56	4,821	50.91	502	5.30	22	0.23	-	-	-	-
Jimma Horo	5,003	20.83	15,095	62.84	3,635	15.13	225	0.94	65	0.27	-	-
Abay Chomen	937	19.87	2,661	56.44	951	20.17	125	2.65	33	0.70	8	0.17
Guduru	5,360	24.91	12,156	56.49	3,385	15.73	414	1.92	174	0.81	31	0.14
Jimma Rare	1,798	23.24	4,852	62.70	1,011	13.07	54	0.70	11	0.14	12	0.16
Bila Seyo	3,766	27.96	8,230	61.10	1,364	10.13	91	0.68	-	-	19	0.14
Sibu Sire	3,872	25.47	9,504	62.51	1,708	11.23	119	0.78	-	-	-	-
Guto Wayu	8,839	31.03	17,149	60.20	2,196	7.71	303	1.06	-	-	-	-
Sasiga	4,018	35.41	6,654	58.65	651	5.74	-	-	23	0.20	-	-
Leka Dulecha	2,731	25.87	6,708	63.55	1,054	9.99	48	0.45	14	0.13	-	-
Diga	4,157	35.03	6,433	54.20	1,173	9.88	51	0.43	41	0.35	13	0.11
Jimma Arjo	3,457	25.93	8,209	61.57	1,522	11.42	111	0.83	34	0.26	-	-
Nunu Kumba	2,081	19.94	7,191	68.89	1,034	9.91	81	0.78	51	0.49	-	-
Wama Bonaya	2,892	18.44	9,707	61.91	2,706	17.26	295	1.88	60	0.38	20	0.13
Illibabor Zone	61,724	31.61	111,578	57.14	19,550	10.01	1,745	0.89	450	0.23	240	0.12
Darimu	8,489	38.03	11,313	50.68	2,208	9.89	234	1.05	55	0.25	25	0.11
Supena Sodo	4,494	34.20	7,332	55.80	1,264	9.62	32	0.24	17	0.13	-	-
Chora	6,348	32.46	11,212	57.34	1,783	9.12	184	0.94	27	0.14	-	-
Dega	2,427	23.82	6,147	60.32	1,371	13.45	174	1.71	58	0.57	14	0.14
Bedele	5,376	26.21	12,087	58.92	2,603	12.69	247	1.20	145	0.71	55	0.27
Gechi	2,523	23.16	7,216	66.24	1,055	9.69	84	0.77	-	-	15	0.14
Borecha Wereda	2,371	26.26	5,813	64.37	762	8.44	72	0.80	12	0.13	-	-
Dedesa	3,826	27.26	8,161	58.16	1,725	12.29	211	1.50	40	0.29	70	0.50
yayu	6,655	34.66	10,771	56.10	1,748	9.10	27	0.14	-	-	-	-
Metu	9,439	41.67	10,972	48.44	1,938	8.56	210	0.93	52	0.23	40	0.18

Table 8.10B:- Number of Crop Holders that Owned Plough-Tip by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Plough-Tip		One Plough-Tip		Two Plough-Tips		Three Plough-Tips		Four Plough-Tips		Five and above Plough-Tips	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	4,843	27.90	10,918	62.91	1,533	8.83	62	0.36	-	-	-	-
Bure	3,651	30.45	6,755	56.33	1,318	10.99	202	1.68	44	0.37	22	0.18
Nono	1,285	29.13	2,879	65.27	241	5.46	6	0.14	-	-	-	-
Jimma Zone	115,925	26.15	280,104	63.18	42,120	9.50	3,740	0.84	1,041	0.23	385	0.09
Limu Seka	4,983	17.04	21,546	73.67	2,575	8.80	69	0.24	-	-	72	0.25
Limu Kosa	10,164	22.13	29,676	64.62	4,976	10.84	653	1.42	452	0.98	-	-
Sokoru	5,970	23.33	16,188	63.27	3,044	11.90	297	1.16	58	0.23	29	0.11
Tiro Afeta	4,503	18.66	16,249	67.33	3,031	12.56	322	1.33	30	0.12	-	-
Kersa	3,537	12.00	21,367	72.49	4,116	13.96	376	1.28	78	0.26	-	-
Mana	11,347	40.79	15,618	56.15	813	2.92	38	0.14	-	-	-	-
Goma	23,070	46.58	23,118	46.68	3,109	6.28	53	0.11	173	0.35	-	-
Gera	3,969	19.08	14,989	72.05	1,493	7.18	352	1.69	-	-	-	-
Seka chekorsa	18,849	33.41	32,449	57.51	4,689	8.31	369	0.65	66	0.12	-	-
Dedo	10,899	20.17	38,237	70.76	4,215	7.80	424	0.78	60	0.11	200	0.37
Omonada	7,640	16.62	28,885	62.83	8,607	18.72	701	1.52	78	0.17	61	0.13
Sigmo	4,772	29.58	10,887	67.49	409	2.54	64	0.40	-	-	-	-
Setema	6,221	34.09	10,894	59.70	1,042	5.71	22	0.12	47	0.26	23	0.13
West Shewa Zone	135,141	26.89	289,521	57.61	69,268	13.78	5,914	1.18	2,139	0.43	608	0.12
Ginde Beret	8,530	25.36	20,713	61.59	4,042	12.02	257	0.76	88	0.26	-	-
Jeldu	8,877	26.34	21,761	64.57	2,976	8.83	87	0.26	-	-	-	-
Ambo	10;981	27.37	23,618	58.87	4,468	11.14	665	1.66	230	0.57	160	0.40
Cheliya	9,401	25.40	21,903	59.18	4,678	12.64	861	2.33	168	0.45	-	-
Bako Tibe	5,510	28.42	11,125	57.38	2,278	11.75	405	2.09	47	0.24	24	0.12
Dano	2,959	19.04	10,112	65.05	2,170	13.96	216	1.39	70	0.45	17	0.11
Nono	4,489	19.40	14,483	62.59	3,751	16.21	256	1.11	94	0.41	67	0.29
Tikur	5,123	40.67	7,091	56.30	340	2.70	42	0.33	-	-	-	-
Amaya	4,781	21.79	13,977	63.70	2,739	12.48	393	1.79	53	0.24	-	-
Wonchi	7,753	44.54	9,090	52.23	477	2.74	64	0.37	21	0.12	-	-
Dendi	10,883	29.33	20,846	56.18	4,827	13.01	408	1.10	53	0.14	89	0.24
Ejerie	3,819	25.09	8,530	56.05	2,505	16.46	156	1.03	157	1.03	52	0.34
Adda Berga	4,175	21.63	11,250	58.28	3,535	18.31	250	1.30	68	0.35	24	0.12
Walmara	4,183	24.50	8,715	51.05	3,655	21.41	293	1.72	136	0.80	91	0.53
Alem Gana	5,842	28.35	9,980	48.43	4,351	21.11	153	0.74	223	1.08	58	0.28
Kersana Kondaltiti	3,810	17.28	14,188	64.34	3,727	16.90	297	1.35	29	0.13	-	-
Tole	1,781	17.12	6,506	62.55	1,886	18.13	133	1.28	95	0.91	-	-
Elu	2,643	25.53	3,715	35.88	3,706	35.79	104	1.00	174	1.68	12	0.12
Dawo	2,376	18.18	7,055	53.99	3,286	25.15	223	1.71	114	0.87	14	0.11
Walisona Goro	14,381	40.36	17,399	48.83	3,498	9.82	309	0.87	46	0.13	-	-
Becho	2,185	19.35	5,599	49.57	3,081	27.28	186	1.65	243	2.15	-	-
Kokir	3,896	31.52	7,092	57.37	1,244	10.06	98	0.79	32	0.26	-	-
Meta Robi	6,763	28.61	14,771	62.49	2,048	8.66	57	0.24	-	-	-	-
North Shewa(Oromia) Zone	48,360	20.40	149,287	62.99	35,476	14.97	2,677	1.13	987	0.42	224	0.09
Wara Jarso	5,365	21.45	15,329	61.29	4,046	16.18	164	0.66	105	0.42	-	-
Dera	10,785	30.78	21,508	61.39	2,547	7.27	78	0.22	117	0.33	-	-
Hidabu Abote	4,072	25.64	10,615	66.83	1,124	7.08	54	0.34	19	0.12	-	-
Kuyu	4,624	23.02	12,842	63.92	2,535	12.62	62	0.31	27	0.13	-	-
Degem	4,270	23.81	11,932	66.53	1,610	8.98	78	0.43	46	0.26	-	-
Gerar Jarso	1,575	11.97	9,745	74.03	1,742	13.23	66	0.50	35	0.27	-	-
Yaya Gulelena Debre	2,951	17.81	11,040	66.64	2,419	14.60	156	0.94	-	-	-	-
Wuchalena Jido	3,337	15.16	14,800	67.22	3,589	16.30	171	0.78	120	0.55	-	-
Abichuna Gna'a	1,807	15.23	7,970	67.16	1,836	15.47	190	1.60	65	0.55	-	-
Kembibit	2,184	20.11	6,564	60.44	1,887	17.38	152	1.40	73	0.67	-	-
Berehna Aleltu	4,390	17.72	12,489	50.41	6,506	26.26	873	3.52	292	1.18	224	0.90
Mulona Sululta	3,003	12.61	14,453	60.70	5,634	23.66	634	2.66	86	0.36	-	-

Table 8.10B:- Number of Crop Holders that Owned Plough-Tip by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Plough-Tip		One Plough-Tip		Two Plough-Tips		Three Plough-Tips		Four Plough-Tips		Five and above Plough-Tips	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	82,712	26.26	182,313	57.88	41,226	13.09	5,637	1.79	2,192	0.70	886	0.28
Fentale	2,019	30.24	4,069	60.94	425	6.37	115	1.72	49	0.73	-	-
Boset	6,620	26.65	13,116	52.81	4,395	17.70	451	1.82	158	0.64	97	0.39
Adama	7,619	28.32	15,070	56.01	3,365	12.51	560	2.08	192	0.71	100	0.37
Lome	3,365	23.10	7,024	48.23	3,115	21.39	715	4.91	227	1.56	118	0.81
Gimbichu	2,682	17.23	9,164	58.86	3,264	20.96	316	2.03	106	0.68	37	0.24
Ada'a Liben Chukala	10,366	25.80	18,976	47.23	8,610	21.43	1,306	3.25	573	1.43	345	0.86
Dugda Bora	5,218	18.09	17,384	60.27	5,095	17.66	728	2.52	307	1.06	112	0.39
Adami Tullu Jido	7,305	30.70	13,995	58.82	2,091	8.79	287	1.21	85	0.36	31	0.13
Arsi Negele	6,727	25.30	17,337	65.22	2,082	7.83	325	1.22	113	0.43	-	-
Shashemene	16,611	36.03	25,931	56.24	3,382	7.33	126	0.27	58	0.13	-	-
Seraro	11,565	23.99	33,706	69.92	2,772	5.75	166	0.34	-	-	-	-
Akaki	2,616	20.60	6,539	51.50	2,630	20.72	542	4.27	323	2.54	46	0.36
Arsi Zone	115,886	23.51	298,003	60.45	71,102	14.42	5,675	1.15	1,803	0.37	538	0.11
Merti	5,154	22.65	13,829	60.79	3,542	15.57	132	0.58	34	0.15	59	0.26
Aseko	3,745	26.01	9,281	64.47	1,291	8.97	36	0.25	-	-	43	0.30
Gololcha	9,377	32.14	18,775	64.35	979	3.36	-	-	-	-	47	0.16
Jeju	5,256	23.66	14,496	65.25	2,218	9.98	166	0.75	81	0.36	-	-
Dodotana Sire	6,020	26.30	12,093	52.84	4,180	18.26	421	1.84	173	0.76	-	-
Zeway Dugda	4,350	20.52	13,124	61.91	3,177	14.99	399	1.88	98	0.46	52	0.25
Hitosa	8,578	21.87	23,457	59.80	6,315	16.10	544	1.39	292	0.74	43	0.11
Sude	5,594	21.94	17,508	68.66	2,205	8.65	127	0.50	67	0.26	-	-
Chole	3,363	21.13	10,561	66.35	1,813	11.39	137	0.86	44	0.28	-	-
Amigna	1,749	15.65	7,339	65.67	1,999	17.89	72	0.64	17	0.15	-	-
Seru	2,753	15.12	12,426	68.26	2,862	15.72	107	0.59	32	0.18	25	0.14
Robe	5,035	18.61	18,087	66.84	3,690	13.64	215	0.79	35	0.13	-	-
Tena	4,797	23.19	13,109	63.38	2,703	13.07	75	0.36	-	-	-	-
Sherka	5,043	19.10	17,084	64.70	4,054	15.35	224	0.85	-	-	-	-
Digeluna Tijo	5,170	23.31	12,017	54.18	4,045	18.24	579	2.61	307	1.38	63	0.28
Tiyo	3,992	24.98	8,292	51.90	3,295	20.62	326	2.04	73	0.46	-	-
Munesa	8,065	22.93	19,697	56.00	6,803	19.34	485	1.38	121	0.34	-	-
Bekoji	7,449	20.69	20,630	57.31	6,631	18.42	931	2.59	308	0.86	46	0.13
Gedeb	4,389	17.66	14,099	56.74	5,580	22.46	499	2.01	120	0.48	160	0.64
Kofele	16,007	38.09	22,100	52.58	3,720	8.85	201	0.48	-	-	-	-
West Harerge Zone	115,314	39.58	164,794	56.56	9,677	3.32	810	0.28	504	0.17	257	0.09
Mieso	3,098	18.89	12,480	76.10	775	4.73	24	0.15	-	-	23	0.14
Doba	5,641	24.78	15,920	69.92	1,116	4.90	33	0.14	58	0.25	-	-
Tulo	11,654	47.90	12,459	51.21	177	0.73	39	0.16	-	-	-	-
Mesela	17,729	68.61	8,007	30.99	67	0.26	-	-	37	0.14	-	-
Chiro	32,414	51.97	28,452	45.62	1,454	2.33	-	-	48	0.08	-	-
Goba Koricha	4,154	20.76	13,563	67.77	2,224	11.11	73	0.36	-	-	-	-
Anchar	2,701	20.11	10,160	75.65	569	4.24	-	-	-	-	-	-
Habro	13,223	43.52	15,265	50.24	963	3.17	568	1.87	220	0.72	147	0.48
Darolebu	5,711	21.17	20,334	75.37	838	3.11	-	-	44	0.16	51	0.19
Boke	8,685	39.22	12,708	57.39	615	2.78	40	0.18	96	0.43	-	-
Kuni	10,308	38.61	15,445	57.84	878	3.29	33	0.12	-	-	37	0.14
East Harerge Zone	242,533	62.64	135,351	34.96	8,273	2.14	787	0.20	195	0.05	54	0.01
Kombolcha	14,598	70.49	5,684	27.45	402	1.94	-	-	26	0.13	-	-
Jarso	12,427	72.88	4,280	25.10	300	1.76	45	0.26	-	-	-	-
Gursum	9,582	37.48	14,535	56.85	1,336	5.23	73	0.29	41	0.16	-	-
Babile	2,487	24.29	6,227	60.83	1,259	12.30	168	1.64	42	0.41	54	0.53
Fedis	11,903	48.46	12,004	48.87	535	2.18	93	0.38	30	0.12	-	-
Haro Maya	28,623	91.14	2,671	8.51	110	0.35	-	-	-	-	-	-
Kurfa Chele	4,251	59.69	2,748	38.58	114	1.60	9	0.13	-	-	-	-
Kersa	17,465	62.95	9,094	32.78	1,061	3.82	125	0.45	-	-	-	-

Table 8.10B:- Number of Crop Holders that Owned Plough-Tip by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Plough-Tip		One Plough-Tip		Two Plough-Tips		Three Plough-Tips		Four Plough-Tips		Five and above Plough-Tips	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	26,844	61.32	16,226	37.07	610	1.39	56	0.13	39	0.09	-	-
Goro Gutu	14,985	58.27	10,608	41.25	125	0.49	-	-	-	-	-	-
Deder	23,245	60.75	14,533	37.98	441	1.15	46	0.12	-	-	-	-
Malka Balo	19,000	76.21	5,478	21.97	452	1.81	-	-	-	-	-	-
Bedeno	23,333	53.82	18,853	43.48	1,019	2.35	151	0.35	-	-	-	-
Girawa	31,742	81.63	6,969	17.92	175	0.45	-	-	-	-	-	-
Gola Oda	2,051	26.09	5,442	69.23	332	4.22	20	0.25	16	0.20	-	-
Bale Zone	89,768	34.65	134,688	51.99	31,247	12.06	2,628	1.01	619	0.24	108	0.04
Kokosa	22,283	95.33	1,063	4.55	29	0.12	-	-	-	-	-	-
Dodola	8,821	37.30	10,207	43.16	3,945	16.68	566	2.39	61	0.26	50	0.21
Adaba	5,149	25.93	10,232	51.53	3,978	20.03	451	2.27	46	0.23	-	-
Agarfa	2,144	16.31	7,841	59.65	2,823	21.47	232	1.76	67	0.51	39	0.30
Gasera	3,140	25.98	6,970	57.66	1,867	15.45	98	0.81	13	0.11	-	-
Gololcha	2,912	19.53	9,412	63.11	2,461	16.50	105	0.70	24	0.16	-	-
Legehida	1,484	18.33	6,306	77.91	293	3.62	11	0.14	-	-	-	-
Ginir	3,875	17.90	14,479	66.87	2,975	13.74	171	0.79	133	0.61	20	0.09
Sinanana Dinsho	3,870	15.49	14,128	56.54	6,386	25.56	391	1.56	213	0.85	-	-
Goba	1,179	16.41	4,468	62.20	1,445	20.12	71	0.99	20	0.28	-	-
Mennana Arena Buluk	7,986	41.60	10,756	56.03	456	2.38	-	-	-	-	-	-
Nensebo	12,771	90.13	1,260	8.89	138	0.97	-	-	-	-	-	-
Meda Welabu	3,670	29.23	8,542	68.03	286	2.28	59	0.47	-	-	-	-
Berbere	3,081	30.17	6,790	66.48	342	3.35	-	-	-	-	-	-
Guradamole	672	16.15	3,283	78.92	205	4.93	-	-	-	-	-	-
Goro	1,642	10.31	10,499	65.89	3,293	20.67	457	2.87	43	0.27	-	-
Raytu	2,720	44.10	3,283	53.23	158	2.56	7	0.11	-	-	-	-
Seweyna	2,360	30.61	5,173	67.09	168	2.18	10	0.13	-	-	-	-
Borena Zone	186,354	65.83	81,710	28.86	12,446	4.40	1,999	0.71	454	0.16	141	0.05
Uraga	35,215	82.62	6,605	15.50	741	1.74	62	0.15	-	-	-	-
Bore	15,695	51.57	13,749	45.18	937	3.08	-	-	52	0.17	-	-
Adolana Wadera	7,026	31.07	13,457	59.50	1,899	8.40	193	0.85	41	0.18	-	-
Odo Shakiso	10,222	72.94	3,651	26.05	142	1.01	-	-	-	-	-	-
Hager Mariam	73,529	85.38	10,020	11.64	2,054	2.39	513	0.60	-	-	-	-
Yabelo	3,869	38.38	4,435	43.99	1,402	13.91	305	3.03	46	0.46	24	0.24
Arero	1,675	50.29	1,222	36.69	316	9.49	95	2.85	8	0.24	15	0.45
Liben	5,628	37.91	8,345	56.22	764	5.15	75	0.51	32	0.22	-	-
Moyale	4,544	42.32	4,682	43.61	1,212	11.29	256	2.38	42	0.39	-	-
Dire	4,116	30.00	6,967	50.78	2,000	14.58	373	2.72	186	1.36	77	0.56
Teltele	3,067	41.67	3,583	48.68	512	6.96	127	1.73	47	0.64	25	0.34
Gelana Abaya	21,769	79.95	4,993	18.34	467	1.72	-	-	-	-	-	-

Table 8.11B:- Number of Crop Holders that Owned 'wegel'-Tip by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'wegel'-Tip		One 'wegel'-Tip		Two 'wegel'-Tips		Three 'wegel'-Tips		Four 'wegel'-Tips		Five and above 'wegel'-Tips	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	1,420,040	35.66	2,154,441	54.11	361,099	9.07	31,392	0.79	10,903	0.27	3,829	0.10
West Welega Zone	117,619	37.47	178,228	56.77	16,715	5.32	905	0.29	331	0.11	125	0.04
Mana Sibu	7,568	28.01	17,697	65.49	1,504	5.57	193	0.71	31	0.11	29	0.11
Nejo	5,179	28.91	11,467	64.00	1,178	6.58	22	0.12	-	-	70	0.39
Gimbi	6,812	39.85	9,459	55.33	825	4.83	-	-	-	-	-	-
Lalo Asabi	4,116	37.74	6,424	58.90	323	2.96	30	0.28	13	0.12	-	-
Boji	5,159	33.97	9,014	59.35	988	6.51	-	-	27	0.18	-	-
Ayra Guliso	5,165	31.55	9,985	60.99	1,066	6.51	135	0.82	20	0.12	-	-
Jarso	3,121	19.28	11,828	73.06	1,198	7.40	23	0.14	-	-	20	0.12
Gidami	6,865	50.34	6,219	45.61	429	3.15	123	0.90	-	-	-	-
Jimma Horo	1,759	25.61	4,510	65.66	577	8.40	23	0.33	-	-	-	-
Hawa Welel	7,061	40.78	9,301	53.72	852	4.92	76	0.44	25	0.14	-	-
Gawo Dale	7,563	31.75	14,718	61.79	1,481	6.22	31	0.13	27	0.11	-	-
Dale Sadi	4,456	40.08	6,173	55.53	406	3.65	67	0.60	15	0.13	-	-
Yubdo	1,566	27.77	3,607	63.95	424	7.52	30	0.53	7	0.12	6	0.11
Ganji	3,602	37.48	5,473	56.95	481	5.00	35	0.36	20	0.21	-	-
Haru	4,860	42.23	6,201	53.88	433	3.76	14	0.12	-	-	-	-
Nole Kaba	8,385	35.85	12,908	55.19	2,037	8.71	58	0.25	-	-	-	-
Lalo Kilie	2,321	29.38	5,100	64.56	479	6.06	-	-	-	-	-	-
Sayo	10,059	50.69	9,008	45.39	777	3.92	-	-	-	-	-	-
Anfilo	8,430	71.15	3,028	25.56	379	3.20	11	0.09	-	-	-	-
Begi	13,566	44.14	16,110	52.42	878	2.86	34	0.11	146	0.48	-	-
East Welega Zone	71,757	27.50	156,845	60.12	29,114	11.16	2,270	0.87	661	0.25	246	0.09
Limu	7,741	37.41	11,631	56.22	1,290	6.23	28	0.14	-	-	-	-
Ibantu	993	19.52	3,457	67.96	580	11.40	57	1.12	-	-	-	-
Gida Kiremu	6,819	30.76	13,204	59.56	1,946	8.78	143	0.65	56	0.25	-	-
Jarte	1,119	15.20	4,906	66.63	1,219	16.56	119	1.62	-	-	-	-
Amuru	1,606	20.75	4,830	62.41	1,179	15.23	75	0.97	18	0.23	31	0.40
Abe Dongoro	4,183	44.17	4,941	52.18	336	3.55	10	0.11	-	-	-	-
Jimma Horo	5,023	20.91	15,042	62.61	3,584	14.92	202	0.84	99	0.41	73	0.30
Abay Chomen	938	19.89	2,631	55.80	951	20.17	137	2.91	41	0.87	17	0.36
Guduru	5,330	24.77	12,548	58.31	3,147	14.62	346	1.61	117	0.54	32	0.15
Jimma Rare	1,806	23.34	4,865	62.87	979	12.65	54	0.70	22	0.28	12	0.16
Bila Seyo	3,800	28.21	8,056	59.81	1,488	11.05	107	0.79	-	-	19	0.14
Sibu Sire	3,900	25.65	9,466	62.26	1,707	11.23	112	0.74	18	0.12	-	-
Guto Wayu	8,956	31.44	16,646	58.43	2,483	8.72	332	1.17	39	0.14	31	0.11
Sasiga	4,144	36.52	6,408	56.48	771	6.80	-	-	23	0.20	-	-
Leka Dulecha	2,744	26.00	6,767	64.11	968	9.17	48	0.45	28	0.27	-	-
Diga	4,145	34.93	6,388	53.83	1,206	10.16	63	0.53	53	0.45	13	0.11
Jimma Arjo	3,504	26.28	8,191	61.43	1,532	11.49	88	0.66	18	0.14	-	-
Nunu Kumba	2,053	19.67	7,399	70.89	895	8.57	40	0.38	51	0.49	-	-
Wama Bonaya	2,945	18.78	9,469	60.39	2,854	18.20	312	1.99	81	0.52	19	0.12
Illibabor Zone	63,446	32.49	111,348	57.02	18,215	9.33	1,626	0.83	460	0.24	192	0.10
Darimu	10,292	46.10	9,887	44.29	1,947	8.72	117	0.52	81	0.36	-	-
Supena Sodo	4,617	35.14	7,386	56.21	1,036	7.88	66	0.50	34	0.26	-	-
Chora	6,222	31.82	11,234	57.45	1,887	9.65	211	1.08	-	-	-	-
Dega	2,419	23.74	6,287	61.69	1,226	12.03	216	2.12	29	0.28	14	0.14
Bedele	5,458	26.61	12,313	60.03	2,273	11.08	275	1.34	110	0.54	84	0.41
Gechi	2,521	23.14	7,251	66.57	936	8.59	42	0.39	130	1.19	13	0.12
Borecha Wereda	2,360	26.14	5,854	64.83	732	8.11	73	0.81	11	0.12	-	-
Dedesa	3,742	26.67	8,475	60.39	1,591	11.34	156	1.11	15	0.11	54	0.38
yayu	6,629	34.52	10,766	56.07	1,727	8.99	79	0.41	-	-	-	-
Metu	9,468	41.80	11,146	49.21	1,852	8.18	158	0.70	-	-	27	0.12

Table 8.11B:- Number of Crop Holders that Owned 'wegel'-Tip by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'wegel'-Tip		One 'wegel -Tip		Two 'wegel'-Tips		Three 'wegel'-Tips		Four 'wegel'-Tips		Five and above 'wegel'-Tips	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	4,814	27.74	11,007	63.42	1,476	8.50	59	0.34	-	-	-	-
Bure	3,630	30.27	6,783	56.56	1,359	11.33	170	1.42	50	0.42	-	-
Nono	1,274	28.88	2,960	67.10	173	3.92	4	0.09	-	-	-	-
Jimma Zone	119,952	27.06	278,547	62.83	40,118	9.05	3,223	0.73	1,129	0.25	346	0.08
Limu Seka	5,038	17.23	21,384	73.12	2,721	9.30	69	0.24	33	0.11	-	-
Limu Kosa	10,046	21.88	30,442	66.29	4,558	9.93	437	0.95	438	0.95	-	-
Sokoru	5,951	23.26	16,219	63.39	2,853	11.15	243	0.95	260	1.02	60	0.23
Tiro Afeta	5,406	22.40	15,841	65.63	2,595	10.75	260	1.08	33	0.14	-	-
Kersa	4,485	15.22	20,479	69.48	4,174	14.16	230	0.78	80	0.27	26	0.09
Mana	12,156	43.70	14,748	53.02	838	3.01	74	0.27	-	-	-	-
Goma	23,269	46.99	22,754	45.95	3,251	6.56	125	0.25	124	0.25	-	-
Gera	4,008	19.27	14,820	71.24	1,579	7.59	261	1.25	-	-	135	0.65
Seka chekorsa	19,130	33.91	32,636	57.84	4,312	7.64	344	0.61	-	-	-	-
Dedo	11,493	21.27	38,178	70.65	3,947	7.30	417	0.77	-	-	-	-
Omonada	7,861	17.10	29,239	63.60	7,936	17.26	673	1.46	139	0.30	124	0.27
Sigmo	4,793	29.71	10,980	68.06	317	1.97	42	0.26	-	-	-	-
Setema	6,315	34.60	10,828	59.33	1,037	5.68	46	0.25	23	0.13	-	-
West Shewa Zone	136,249	27.11	295,126	58.72	63,125	12.56	5,598	1.11	1,827	0.36	666	0.13
Ginde Beret	8,594	25.55	21,099	62.74	3,549	10.55	257	0.76	131	0.39	-	-
Jeldu	9,036	26.81	21,767	64.59	2,854	8.47	44	0.13	-	-	-	-
Ambo	11,087	27.63	23,459	58.47	4,515	11.25	781	1.95	120	0.30	160	0.40
Cheliya	9,530	25.75	21,670	58.55	4,869	13.16	774	2.09	168	0.45	-	-
Bako Tibe	5,510	28.42	11,276	58.16	2,132	11.00	423	2.18	24	0.12	24	0.12
Dano	2,945	18.95	10,227	65.79	2,085	13.41	203	1.31	84	0.54	-	-
Nono	4,337	18.74	14,805	63.98	3,577	15.46	225	0.97	99	0.43	97	0.42
Tikur	5,061	40.18	6,662	52.89	594	4.72	42	0.33	237	1.88	-	-
Amaya	4,999	22.78	13,705	62.46	2,763	12.59	368	1.68	78	0.36	30	0.14
Wonchi	7,764	44.61	8,560	49.18	953	5.48	-	-	43	0.25	85	0.49
Dendi	11,027	29.72	21,322	57.46	4,281	11.54	378	1.02	53	0.14	45	0.12
Ejerie	3,938	25.88	8,912	58.56	2,075	13.63	159	1.04	104	0.68	31	0.20
Adda Berga	4,364	22.61	11,316	58.63	3,202	16.59	278	1.44	118	0.61	24	0.12
Walmara	4,214	24.68	8,884	52.04	3,540	20.73	253	1.48	110	0.64	72	0.42
Alem Gana	5,766	27.98	10,473	50.82	4,043	19.62	162	0.79	105	0.51	58	0.28
Kersana Kondaltiti	3,835	17.39	14,705	66.69	3,211	14.56	276	1.25	24	0.11	-	-
Tole	1,722	16.56	6,919	66.52	1,586	15.25	121	1.16	41	0.39	12	0.12
Elu	2,704	26.12	5,261	50.81	2,208	21.33	75	0.72	94	0.91	12	0.12
Dawo	2,417	18.50	8,382	64.14	2,109	16.14	131	1.00	29	0.22	-	-
Walisona Goro	14,651	41.12	17,042	47.83	3,676	10.32	227	0.64	37	0.10	-	-
Becho	2,155	19.08	6,504	57.59	2,242	19.85	297	2.63	96	0.85	-	-
Kokir	4,018	32.50	7,114	57.55	1,118	9.04	96	0.78	-	-	16	0.13
Meta Robi	6,574	27.81	15,058	63.70	1,943	8.22	30	0.13	34	0.14	-	-
North Shewa(Oromia) Zone	48,720	20.56	153,000	64.55	31,590	13.33	2,650	1.12	804	0.34	247	0.10
Wara Jarso	5,541	22.16	15,861	63.42	3,408	13.63	166	0.66	33	0.13	-	-
Dera	10,618	30.31	22,202	63.37	2,098	5.99	78	0.22	39	0.11	-	-
Hidabu Abote	3,969	24.99	10,805	68.02	1,055	6.64	55	0.35	-	-	-	-
Kuyu	4,806	23.92	13,199	65.70	1,996	9.94	62	0.31	27	0.13	-	-
Degem	4,479	24.97	11,992	66.86	1,335	7.44	83	0.46	47	0.26	-	-
Gerar Jarso	1,518	11.53	10,143	77.06	1,432	10.88	70	0.53	-	-	-	-
Yaya Gulelena Debre	2,946	17.78	11,327	68.37	2,115	12.77	78	0.47	60	0.36	40	0.24
Wuchalena Jido	3,487	15.84	14,968	67.98	3,293	14.96	176	0.80	93	0.42	-	-
Abichuna Gna'a	1,861	15.68	7,968	67.14	1,863	15.70	126	1.06	50	0.42	-	-
Kembibit	2,102	19.36	6,819	62.79	1,720	15.84	175	1.61	30	0.28	14	0.13
Berehna Aleltu	4,509	18.20	13,168	53.15	5,802	23.42	953	3.85	186	0.75	156	0.63
Mulona Sululta	2,887	12.13	14,549	61.10	5,472	22.98	628	2.64	237	1.00	37	0.16

Table 8.11B:- Number of Crop Holders that Owned 'wegel'-Tip by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'wegel'-Tip		One 'wegel'-Tip		Two 'wegel'-Tips		Three 'wegel'-Tips		Four 'wegel'-Tips		Five and above 'wegel'-Tips	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	84,977	26.98	180,463	57.30	41,526	13.18	5,222	1.66	1,999	0.63	779	0.25
Fentale	2,912	43.61	3,600	53.92	165	2.47	-	-	-	-	-	-
Boset	6,523	26.26	13,630	54.88	4,076	16.41	456	1.84	152	0.61	-	-
Adama	7,777	28.90	14,938	55.52	3,537	13.15	462	1.72	130	0.48	62	0.23
Lome	3,362	23.08	6,761	46.42	3,381	23.21	732	5.03	174	1.19	154	1.06
Gimbichu	2,731	17.54	9,063	58.21	3,334	21.41	298	1.91	125	0.80	18	0.12
Ada'a Liben Chukala	10,235	25.48	18,168	45.22	9,591	23.87	1,255	3.12	636	1.58	291	0.72
Dugda Bora	5,291	18.34	17,507	60.70	4,931	17.10	700	2.43	303	1.05	112	0.39
Adami Tullu Jido	7,084	29.77	14,568	61.23	1,918	8.06	169	0.71	24	0.10	31	0.13
Arsi Negele	6,998	26.32	17,130	64.44	1,986	7.47	440	1.66	30	0.11	-	-
Shashemene	16,190	35.11	26,450	57.37	3,184	6.91	126	0.27	106	0.23	52	0.11
Seraro	13,175	27.33	32,223	66.84	2,693	5.59	66	0.14	52	0.11	-	-
Akaki	2,693	21.21	6,425	50.61	2,730	21.50	519	4.09	269	2.12	60	0.47
Arsi Zone	115,963	23.52	304,206	61.70	65,988	13.38	4,896	0.99	1,487	0.30	467	0.09
Merti	5,297	23.28	14,270	62.73	3,003	13.20	112	0.49	34	0.15	34	0.15
Aseko	3,818	26.52	9,322	64.75	1,186	8.24	31	0.22	-	-	39	0.27
Gololcha	9,414	32.26	18,951	64.95	813	2.79	-	-	-	-	-	-
Jeju	5,250	23.63	14,888	67.01	1,964	8.84	86	0.39	29	0.13	-	-
Dodotana Sire	6,096	26.64	12,240	53.48	4,204	18.37	265	1.16	53	0.23	29	0.13
Zeway Dugda	4,543	21.43	13,283	62.66	3,040	14.34	208	0.98	98	0.46	28	0.13
Hitosa	8,653	22.06	23,751	60.54	6,011	15.32	571	1.46	158	0.40	85	0.22
Sude	5,355	21.00	17,943	70.36	2,039	8.00	130	0.51	34	0.13	-	-
Chole	3,310	20.79	10,871	68.29	1,595	10.02	120	0.75	22	0.14	-	-
Amigna	1,713	15.33	7,550	67.56	1,760	15.75	119	1.06	34	0.30	-	-
Seru	2,846	15.63	13,055	71.71	2,200	12.08	47	0.26	32	0.18	25	0.14
Robe	5,073	18.75	18,097	66.87	3,675	13.58	147	0.54	70	0.26	-	-
Tena	4,762	23.02	13,322	64.41	2,499	12.08	101	0.49	-	-	-	-
Sherka	5,098	19.31	17,863	67.65	3,174	12.02	270	1.02	-	-	-	-
Digeluna Tijo	4,990	22.50	12,969	58.47	3,550	16.00	421	1.90	219	0.99	32	0.14
Tiyo	4,037	25.27	8,424	52.72	3,159	19.77	250	1.56	93	0.58	15	0.09
Munesa	8,067	22.94	19,812	56.33	6,601	18.77	524	1.49	123	0.35	44	0.13
Bekoji	7,394	20.54	20,953	58.21	6,686	18.57	651	1.81	265	0.74	46	0.13
Gedeb	4,432	17.84	14,622	58.85	4,894	19.70	590	2.37	220	0.89	89	0.36
Kofele	15,820	37.64	22,019	52.39	3,936	9.37	253	0.60	-	-	-	-
West Harerge Zone	115,712	39.71	163,990	56.29	10,121	3.47	770	0.26	475	0.16	288	0.10
Mieso	2,773	16.91	12,707	77.48	873	5.32	47	0.29	-	-	-	-
Doba	5,815	25.54	15,353	67.43	1,479	6.50	91	0.40	-	-	30	0.13
Tulo	11,812	48.55	12,285	50.50	120	0.49	39	0.16	34	0.14	39	0.16
Mesela	18,299	70.82	7,250	28.06	221	0.86	70	0.27	-	-	-	-
Chiro	32,211	51.65	28,658	45.95	1,499	2.40	-	-	-	-	-	-
Goba Koricha	4,112	20.55	13,766	68.78	2,062	10.30	74	0.37	-	-	-	-
Anchar	2,672	19.90	10,316	76.81	414	3.08	28	0.21	-	-	-	-
Habro	12,870	42.36	15,907	52.35	767	2.52	330	1.09	330	1.09	182	0.60
Darolebu	5,940	22.02	19,847	73.57	1,096	4.06	51	0.19	44	0.16	-	-
Boke	8,685	39.22	12,548	56.67	804	3.63	40	0.18	67	0.30	-	-
Kuni	10,523	39.41	15,354	57.50	787	2.95	-	-	-	-	37	0.14
East Harerge Zone	271,060	70.01	111,626	28.83	3,568	0.92	278	0.07	577	0.15	84	0.02
Kombolcha	19,060	92.03	1,598	7.72	52	0.25	-	-	-	-	-	-
Jarso	12,568	73.70	4,269	25.04	150	0.88	22	0.13	21	0.12	22	0.13
Gursum	12,036	47.08	12,980	50.77	551	2.16	-	-	-	-	-	-
Babile	2,523	24.65	7,137	69.72	549	5.36	28	0.27	-	-	-	-
Fedis	11,458	46.64	12,759	51.94	312	1.27	36	0.15	-	-	-	-
Haro Maya	28,879	91.96	2,387	7.60	87	0.28	51	0.16	-	-	-	-
Kurfa Chele	5,157	72.41	1,935	27.17	30	0.42	-	-	-	-	-	-
Kersa	19,865	71.60	7,640	27.54	181	0.65	-	-	59	0.21	-	-

Table 8.11B:- Number of Crop Holders that Owned 'wegel'-Tip by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'wegel'-Tip		One 'wegel'-Tip		Two 'wegel'-Tips		Three 'wegel'-Tips		Four 'wegel'-Tips		Five and above 'wegel'-Tips	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	29,207	66.72	13,696	31.29	512	1.17	-	-	360	0.82	-	-
Goro Gutu	14,932	58.06	10,668	41.48	118	0.46	-	-	-	-	-	-
Deder	25,752	67.30	11,978	31.30	355	0.93	120	0.31	60	0.16	-	-
Malka Balo	19,042	76.38	5,593	22.43	295	1.18	-	-	-	-	-	-
Bedeno	34,203	78.89	8,920	20.57	112	0.26	-	-	60	0.14	61	0.14
Girawa	34,176	87.89	4,661	11.99	49	0.13	-	-	-	-	-	-
Gola Oda	2,201	28.00	5,405	68.76	216	2.75	23	0.29	16	0.20	-	-
Bale Zone	88,688	34.23	139,519	53.86	28,496	11.00	1,768	0.68	437	0.17	150	0.06
Kokosa	22,322	95.50	997	4.27	56	0.24	-	-	-	-	-	-
Dodola	8,808	37.24	10,427	44.09	3,807	16.10	462	1.95	96	0.41	50	0.21
Adaba	5,240	26.39	10,551	53.14	3,649	18.38	342	1.72	74	0.37	-	-
Agarfa	2,070	15.75	8,355	63.56	2,482	18.88	139	1.06	34	0.26	66	0.50
Gasera	3,155	26.10	7,256	60.03	1,561	12.91	87	0.72	29	0.24	-	-
Gololcha	2,816	18.88	9,859	66.11	2,093	14.03	85	0.57	61	0.41	-	-
Legehida	1,374	16.98	6,481	80.07	229	2.83	-	-	-	-	10	0.12
Ginir	3,807	17.58	14,776	68.24	2,936	13.56	94	0.43	40	0.18	-	-
Sinanana Dinsho	3,958	15.84	14,812	59.28	5,878	23.52	237	0.95	103	0.41	-	-
Goba	1,211	16.86	4,721	65.72	1,203	16.75	48	0.67	-	-	-	-
Mennana Arena Buluk	7,894	41.12	10,871	56.63	433	2.26	-	-	-	-	-	-
Nensebo	12,800	90.34	1,267	8.94	87	0.61	-	-	-	-	15	0.11
Meda Welabu	3,053	24.31	9,005	71.71	428	3.41	71	0.57	-	-	-	-
Berbere	3,109	30.44	6,783	66.42	311	3.05	-	-	-	-	10	0.10
Guradamole	676	16.25	3,280	78.85	204	4.90	-	-	-	-	-	-
Goro	1,733	10.88	11,082	69.55	2,934	18.41	185	1.16	-	-	-	-
Raytu	2,482	40.24	3,567	57.83	106	1.72	13	0.21	-	-	-	-
Seweyna	2,177	28.23	5,428	70.39	100	1.30	6	0.08	-	-	-	-
Borena Zone	185,898	65.66	81,544	28.80	12,524	4.42	2,185	0.77	714	0.25	239	0.08
Uraga	35,161	82.49	6,659	15.62	741	1.74	62	0.15	-	-	-	-
Bore	15,736	51.71	13,908	45.70	737	2.42	-	-	52	0.17	-	-
Adolana Wadera	7,118	31.47	13,259	58.63	1,800	7.96	327	1.45	112	0.50	-	-
Odo Shakiso	10,756	76.75	3,164	22.58	85	0.61	10	0.07	-	-	-	-
Hager Mariam	73,724	85.61	9,623	11.17	2,066	2.40	608	0.71	95	0.11	-	-
Yabelo	3,935	39.03	4,668	46.30	1,100	10.91	293	2.91	46	0.46	39	0.39
Arero	1,638	49.17	1,239	37.20	319	9.58	90	2.70	22	0.66	23	0.69
Liben	5,435	36.61	8,539	57.52	743	5.01	108	0.73	19	0.13	-	-
Moyale	4,480	41.73	4,319	40.23	1,631	15.19	147	1.37	117	1.09	42	0.39
Dire	4,047	29.50	6,962	50.75	2,062	15.03	399	2.91	148	1.08	101	0.74
Teltele	2,133	28.98	4,254	57.79	695	9.44	141	1.92	104	1.41	34	0.46
Gelana Abaya	21,732	79.81	4,951	18.18	546	2.01	-	-	-	-	-	-

Table 8.12B:- Number of Crop Holders that Owned Yoke by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Yoke		One Yoke		Two Yokes		Three Yokes		Four Yokes		Five and above Yokes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	1,395,819	35.06	2,135,664	53.64	401,706	10.09	34,915	0.88	10,347	0.26	3,253	0.08
West Welega Zone	113,066	36.02	179,323	57.12	19,975	6.36	1,307	0.42	223	0.07	29	0.01
Mana Sibu	7,323	27.10	16,956	62.75	2,480	9.18	234	0.87	-	-	29	0.11
Nejo	5,128	28.62	11,163	62.31	1,534	8.56	91	0.51	-	-	-	-
Gimbi	6,833	39.97	9,572	55.99	664	3.88	27	0.16	-	-	-	-
Lalo Asabi	4,075	37.36	6,410	58.77	381	3.49	40	0.37	-	-	-	-
Boji	5,134	33.80	9,282	61.11	772	5.08	-	-	-	-	-	-
Ayra Guliso	5,183	31.66	10,125	61.85	907	5.54	115	0.70	41	0.25	-	-
Jarso	3,025	18.68	11,754	72.60	1,325	8.18	67	0.41	19	0.12	-	-
Gidami	5,384	39.48	7,315	53.64	823	6.04	103	0.76	11	0.08	-	-
Jimma Horo	1,608	23.41	4,399	64.04	800	11.65	43	0.63	19	0.28	-	-
Hawa Welel	6,703	38.71	9,137	52.77	1,289	7.44	140	0.81	46	0.27	-	-
Gawo Dale	7,237	30.38	14,362	60.29	2,129	8.94	92	0.39	-	-	-	-
Dale Sadi	3,528	31.74	6,795	61.12	712	6.40	67	0.60	15	0.13	-	-
Yubdo	1,570	27.84	3,611	64.02	416	7.38	30	0.53	13	0.23	-	-
Ganji	3,612	37.58	5,471	56.92	474	4.93	44	0.46	10	0.10	-	-
Haru	4,974	43.22	5,935	51.57	571	4.96	28	0.24	-	-	-	-
Nole Kaba	8,342	35.67	13,196	56.42	1,759	7.52	91	0.39	-	-	-	-
Lalo Kilie	2,184	27.65	5,023	63.58	683	8.65	10	0.13	-	-	-	-
Sayo	9,863	49.70	9,015	45.43	944	4.76	22	0.11	-	-	-	-
Anfilo	8,500	71.74	2;870	24.22	436	3.68	28	0.24	14	0.12	-	-
Begi	12,859	41.84	16,934	55.10	873	2.84	34	0.11	34	0.11	-	-
East Welega Zone	71,444	27.38	151,968	58.25	33,888	12.99	2,693	1.03	676	0.26	224	0.09
Limu	8,378	40.49	10,835	52.37	1,424	6.88	53	0.26	-	-	-	-
Ibantu	1,005	19.76	3,471	68.23	560	11.01	36	0.71	6	0.12	9	0.18
Gida Kiremu	6,750	30.45	12,637	57.01	2,694	12.15	87	0.39	-	-	-	-
Jarte	1,220	16.57	4,572	62.09	1,432	19.45	119	1.62	20	0.27	-	-
Amuru	1,639	21.18	4,481	57.90	1,474	19.05	105	1.36	10	0.13	30	0.39
Abe Dongoro	4,104	43.34	4,607	48.65	749	7.91	10	0.11	-	-	-	-
Jimma Horo	4,855	20.21	14,625	60.88	4,157	17.30	294	1.22	65	0.27	27	0.11
Abay Chomen	953	20.21	2,600	55.14	1,013	21.48	133	2.82	8	0.17	8	0.17
Guduru	5,393	25.06	12,121	56.32	3,415	15.87	356	1.65	177	0.82	58	0.27
Jimma Rare	1,765	22.81	4,548	58.77	1,337	17.28	65	0.84	11	0.14	12	0.16
Bila Seyo	3,803	28.23	7,852	58.29	1,613	11.97	126	0.94	37	0.27	39	0.29
Sibu Sire	3,973	26.13	9,195	60.48	1,923	12.65	112	0.74	-	-	-	-
Guto Wayu	8,348	29.30	17,082	59.96	2,626	9.22	431	1.51	-	-	-	-
Sasiga	4,140	36.49	6,419	56.58	717	6.32	16	0.14	39	0.34	15	0.13
Leka Dulecha	2,703	25.61	6,457	61.17	1,206	11.43	122	1.16	67	0.63	-	-
Diga	4,059	34.20	6,421	54.10	1,283	10.81	51	0.43	41	0.35	13	0.11
Jimma Arjo	3,475	26.06	7,475	56.06	2,226	16.70	157	1.18	-	-	-	-
Nunu Kumba	2,027	19.42	7,057	67.61	1,114	10.67	134	1.28	92	0.88	14	0.13
Wama Bonaya	2,850	18.18	9,512	60.66	2,928	18.67	288	1.84	102	0.65	-	-
Illibabor Zone	60,825	31.15	114,282	58.52	18,192	9.32	1,413	0.72	390	0.20	185	0.09
Darimu	8,535	38.23	11,329	50.75	2,061	9.23	224	1.00	175	0.78	-	-
Supena Sodo	4,377	33.31	7,671	58.38	1,027	7.82	32	0.24	32	0.24	-	-
Chora	6,184	31.63	11,225	57.41	1,934	9.89	211	1.08	-	-	-	-
Dega	2,330	22.86	6,279	61.61	1,321	12.96	175	1.72	58	0.57	28	0.27
Bedele	5,206	25.38	12,807	62.43	2,251	10.97	95	0.46	75	0.37	79	0.39
Gechi	2,531	23.24	7,271	66.75	1,021	9.37	70	0.64	-	-	-	-
Borecha Wereda	2,336	25.87	5,684	62.95	905	10.02	105	1.16	-	-	-	-
Dedesa	3,936	28.05	7,948	56.64	1,948	13.88	132	0.94	39	0.28	30	0.21
yayu	6,692	34.85	11,003	57.30	1,408	7.33	98	0.51	-	-	-	-
Metu	9,510	41.98	11,596	51.19	1,520	6.71	25	0.11	-	-	-	-

Table 8.12B:- Number of Crop Holders that Owned Yoke by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Yoke		One Yoke		Two Yokes		Three Yokes		Four Yokes		Five and above Yokes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	4,444	25.60	11,467	66.07	1,394	8.03	25	0.14	-	-	26	0.15
Bure	3,565	29.73	7,000	58.37	1,190	9.92	204	1.70	11	0.09	22	0.18
Nono	1,182	26.80	3,001	68.03	211	4.78	17	0.39	-	-	-	-
Jimma Zone	115,949	26.15	272,383	61.44	50,424	11.37	3,260	0.74	1,177	0.27	122	0.03
Limu Seka	4,901	16.76	21,435	73.29	2,759	9.43	150	0.51	-	-	-	-
Limu Kosa	10,405	22.66	29,944	65.21	5,479	11.93	-	-	93	0.20	-	-
Sokoru	6,030	23.57	16,197	63.30	3,025	11.82	278	1.09	27	0.11	29	0.11
Tiro Afeta	4,510	18.69	16,455	68.18	2,783	11.53	321	1.33	33	0.14	33	0.14
Kersa	3,614	12.26	21,445	72.76	4,039	13.70	338	1.15	38	0.13	-	-
Mana	11,576	41.62	14,988	53.88	1,214	4.36	38	0.14	-	-	-	-
Goma	22,880	46.20	22,524	45.48	3,851	7.78	63	0.13	205	0.41	-	-
Gera	3,951	18.99	14,156	68.05	2,256	10.84	310	1.49	130	0.62	-	-
Seka chekorsa	18,926	33.54	30,845	54.67	6,219	11.02	356	0.63	76	0.13	-	-
Dedo	10,658	19.72	35,457	65.62	7,062	13.07	461	0.85	397	0.73	-	-
Omonada	7,708	16.77	27,360	59.51	9,875	21.48	835	1.82	133	0.29	61	0.13
Sigmo	4,642	28.78	10,839	67.19	586	3.63	65	0.40	-	-	-	-
Setema	6,142	33.66	10,739	58.85	1,276	6.99	46	0.25	46	0.25	-	-
West Shewa Zone	135,891	27.04	291,810	58.06	66,773	13.29	5,869	1.17	1,705	0.34	543	0.11
Ginde Beret	8,353	24.84	20,463	60.85	4,516	13.43	214	0.64	84	0.25	-	-
Jeldu	9,017	26.76	21,067	62.51	3,350	9.94	87	0.26	87	0.26	93	0.28
Ambo	11,238	28.01	22,927	57.14	4,899	12.21	815	2.03	83	0.21	160	0.40
Cheliya	9,263	25.03	21,315	57.59	5,491	14.84	774	2.09	168	0.45	-	-
Bako Tibe	5,221	26.93	11,379	58.69	2,401	12.38	364	1.88	-	-	24	0.12
Dano	2,950	18.98	9,813	63.13	2,473	15.91	241	1.55	67	0.43	-	-
Nono	4,438	19.18	14,734	63.67	3,517	15.20	291	1.26	125	0.54	35	0.15
Tikur	5,026	39.90	7,051	55.98	477	3.79	42	0.33	-	-	-	-
Amaya	4,790	21.83	13,299	60.61	3,482	15.87	266	1.21	106	0.48	-	-
Wonchi	7,710	44.30	9,121	52.40	531	3.05	43	0.25	-	-	-	-
Dendi	10,847	29.23	21,035	56.69	4,700	12.67	389	1.05	135	0.36	-	-
Ejerie	3,955	25.99	8,436	55.43	2,486	16.33	207	1.36	104	0.68	31	0.20
Adda Berga	4,308	22.32	11,249	58.28	3,288	17.03	285	1.48	172	0.89	-	-
Walmara	4,420	25.89	8,582	50.27	3,472	20.34	397	2.33	155	0.91	47	0.28
Alem Gana	5,969	28.97	10,408	50.51	3,806	18.47	159	0.77	162	0.79	103	0.50
Kersana Kondaltiti	3,832	17.38	14,182	64.31	3,706	16.81	275	1.25	56	0.25	-	-
Tole	1,785	17.16	6,856	65.92	1,546	14.86	120	1.15	94	0.90	-	-
Elu	2,750	26.56	5,568	53.78	1,861	17.97	113	1.09	62	0.60	-	-
Dawo	2,474	18.93	8,533	65.30	1,869	14.30	147	1.12	29	0.22	16	0.12
Walisona Goro	14,634	41.07	17,673	49.60	3,090	8.67	236	0.66	-	-	-	-
Becho	2,357	20.87	6,752	59.78	1,893	16.76	278	2.46	14	0.12	-	-
Kokir	3,879	31.38	7,138	57.74	1,247	10.09	98	0.79	-	-	-	-
Meta Robi	6,675	28.24	14,231	60.20	2,673	11.31	27	0.11	-	-	33	0.14
North Shewa(Oromia) Zone	48,295	20.38	141,890	59.87	41,953	17.70	3,362	1.42	1,303	0.55	208	0.09
Wara Jarso	5,395	21.57	14,862	59.43	4,442	17.76	244	0.98	66	0.26	-	-
Dera	10,422	29.75	20,659	58.97	3,669	10.47	205	0.59	80	0.23	-	-
Hidabu Abote	4,097	25.79	10,301	64.85	1,431	9.01	55	0.35	-	-	-	-
Kuyu	4,871	24.25	11,802	58.75	3,258	16.22	132	0.66	27	0.13	-	-
Degem	4,479	24.97	11,180	62.33	2,164	12.07	61	0.34	52	0.29	-	-
Gerar Jarso	1,499	11.39	9,204	69.92	2,309	17.54	103	0.78	48	0.36	-	-
Yaya Gulelena Debre	2,871	17.33	10,394	62.74	3,054	18.44	122	0.74	125	0.75	-	-
Wuchalena Jido	3,398	15.43	14,437	65.57	3,744	17.01	258	1.17	180	0.82	-	-
Abichuna Gna'a	1,846	15.55	7,568	63.77	2,214	18.66	190	1.60	50	0.42	-	-
Kembibit	2,105	19.38	6,677	61.48	1,913	17.62	119	1.10	30	0.28	16	0.15
Berehna Aleltu	4,316	17.42	12,609	50.90	6,365	25.69	993	4.01	367	1.48	124	0.50
Mulona Sululta	3,001	12.60	12,196	51.22	7,389	31.03	879	3.69	277	1.16	68	0.29

Table 8.12B:- Number of Crop Holders that Owned Yoke by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Yoke		One Yoke		Two Yokes		Three Yokes		Four Yokes		Five and above Yokes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	81,198	25.78	183,139	58.15	42,248	13.41	5,932	1.88	1,751	0.56	698	0.22
Fentale	2,024	30.31	4,425	66.27	228	3.41	-	-	-	-	-	-
Boset	6,467	26.04	13,610	54.80	4,114	16.56	492	1.98	130	0.52	24	0.10
Adama	7,431	27.62	15,774	58.63	2,989	11.11	515	1.91	135	0.50	62	0.23
Lome	3,349	23.00	6,770	46.48	3,386	23.25	767	5.27	174	1.19	118	0.81
Gimbichu	2,642	16.97	8,526	54.76	3,855	24.76	438	2.81	91	0.58	17	0.11
Ada'a Liben Chukala	10,316	25.68	19,261	47.94	8,456	21.05	1,391	3.46	501	1.25	251	0.62
Dugda Bora	5,323	18.45	17,417	60.38	5,082	17.62	698	2.42	250	0.87	74	0.26
Adami Tullu Jido	6,053	25.44	15,087	63.41	2,314	9.73	285	1.20	24	0.10	31	0.13
Arsi Negele	7,082	26.64	16,800	63.20	2,348	8.83	266	1.00	88	0.33	-	-
Shashemene	16,476	35.73	26,363	57.18	2,927	6.35	284	0.62	58	0.13	-	-
Seraro	11,345	23.53	32,666	67.76	3,786	7.85	310	0.64	52	0.11	50	0.10
Akaki	2,688	21.17	6,440	50.72	2,763	21.76	486	3.83	248	1.95	71	0.56
Arsi Zone	115,774	23.48	296,955	60.23	71,985	14.60	6,248	1.27	1,498	0.30	547	0.11
Merti	5,428	23.86	14,371	63.17	2,689	11.82	110	0.48	118	0.52	34	0.15
Aseko	3,869	26.88	8,840	61.41	1,612	11.20	39	0.27	17	0.12	19	0.13
Gololcha	9,176	31.45	18,870	64.67	1,099	3.77	-	-	-	-	33	0.11
Jeju	5,274	23.74	14,682	66.08	2,184	9.83	77	0.35	-	-	-	-
Dodotana Sire	6,349	27.74	12,515	54.68	3,451	15.08	458	2.00	114	0.50	-	-
Zeway Dugda	4,743	22.37	13,221	62.36	2,902	13.69	277	1.31	57	0.27	-	-
Hitosa	8,954	22.82	23,177	59.08	6,083	15.51	685	1.75	245	0.62	85	0.22
Sude	4,940	19.37	17,284	67.78	3,176	12.45	101	0.40	-	-	-	-
Chole	3,300	20.73	10,504	65.99	1,999	12.56	76	0.48	39	0.25	-	-
Amigna	1,679	15.02	7,290	65.23	2,038	18.24	138	1.23	31	0.28	-	-
Seru	2,824	15.51	12,842	70.54	2,424	13.32	90	0.49	-	-	25	0.14
Robe	4,834	17.86	18,290	67.59	3,726	13.77	177	0.65	35	0.13	-	-
Tena	4,657	22.51	13,193	63.78	2,706	13.08	128	0.62	-	-	-	-
Sherka	5,283	20.01	16,962	64.24	3,830	14.50	330	1.25	-	-	-	-
Digeluna Tijo	4,889	22.04	12,195	54.98	4,108	18.52	711	3.21	220	0.99	58	0.26
Tiyo	4,134	25.87	8,435	52.79	3,087	19.32	244	1.53	58	0.36	20	0.13
Munesa	8,016	22.79	19,376	55.09	7,028	19.98	626	1.78	81	0.23	44	0.13
Bekoji	7,684	21.35	18,690	51.92	8,225	22.85	951	2.64	305	0.85	140	0.39
Gedeb	4,514	18.17	13,896	55.93	5,613	22.59	609	2.45	126	0.51	89	0.36
Kofele	15,228	36.23	22,323	53.11	4,006	9.53	419	1.00	52	0.12	-	-
West Harerge Zone	114,303	39.23	167,500	57.49	8,223	2.82	554	0.19	483	0.17	293	0.10
Mieso	2,809	17.13	12,751	77.75	767	4.68	47	0.29	26	0.16	-	-
Doba	5,870	25.78	15,841	69.58	931	4.09	65	0.29	61	0.27	-	-
Tulo	11,754	48.31	12,235	50.29	268	1.10	72	0.30	-	-	-	-
Mesela	17,774	68.78	7,810	30.22	256	0.99	-	-	-	-	-	-
Chiro	32,459	52.04	28,929	46.38	980	1.57	-	-	-	-	-	-
Goba Koricha	4,041	20.19	14,442	72.16	1,502	7.50	29	0.14	-	-	-	-
Anchar	2,611	19.44	10,167	75.70	611	4.55	13	0.10	28	0.21	-	-
Habro	12,906	42.47	16,126	53.07	590	1.94	250	0.82	257	0.85	257	0.85
Darolebu	5,762	21.36	20,320	75.32	815	3.02	37	0.14	44	0.16	-	-
Boke	8,287	37.42	12,980	58.62	770	3.48	40	0.18	67	0.30	-	-
Kuni	10,030	37.56	15,901	59.55	733	2.75	-	-	-	-	37	0.14
East Harerge Zone	266,520	68.83	116,465	30.08	4,045	1.04	133	0.03	16	0.00	14	0.00
Kombolcha	18,862	91.08	1,686	8.14	162	0.78	-	-	-	-	-	-
Jarso	12,526	73.46	4,366	25.60	160	0.94	-	-	-	-	-	-
Gursum	11,370	44.47	13,649	53.39	548	2.14	-	-	-	-	-	-
Babile	2,130	20.81	7,572	73.97	521	5.09	-	-	-	-	14	0.14
Fedis	11,126	45.29	13,018	52.99	360	1.47	61	0.25	-	-	-	-
Haro Maya	29,161	92.86	2,156	6.87	87	0.28	-	-	-	-	-	-
Kurfa Chele	5,042	70.79	2,032	28.53	48	0.67	-	-	-	-	-	-
Kersa	19,508	70.31	8,094	29.17	143	0.52	-	-	-	-	-	-

Table 8.12B:- Number of Crop Holders that Owned Yoke by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Yoke		One Yoke		Two Yokes		Three Yokes		Four Yokes		Five and above Yokes	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	28,776	65.74	14,404	32.90	595	1.36	-	-	-	-	-	-
Goro Gutu	14,470	56.26	10,988	42.72	260	1.01	-	-	-	-	-	-
Deder	25,485	66.60	12,129	31.70	599	1.57	52	0.14	-	-	-	-
Malka Balo	18,569	74.48	6,084	24.40	277	1.11	-	-	-	-	-	-
Bedeno	33,578	77.45	9,778	22.55	-	-	-	-	-	-	-	-
Girawa	33,910	87.20	4,917	12.64	59	0.15	-	-	-	-	-	-
Gola Oda	2,007	25.53	5,592	71.14	225	2.86	21	0.27	16	0.20	-	-
Bale Zone	86,428	33.36	139,601	53.89	30,500	11.77	1,924	0.74	452	0.17	153	0.06
Kokosa	22,322	95.50	833	3.56	220	0.94	-	-	-	-	-	-
Dodola	8,625	36.47	10,249	43.34	4,192	17.73	472	2.00	59	0.25	53	0.22
Adaba	4,722	23.78	10,833	54.56	3,863	19.46	364	1.83	74	0.37	-	-
Agarfa	2,093	15.92	8,406	63.94	2,403	18.28	157	1.19	48	0.37	39	0.30
Gasera	3,192	26.41	7,157	59.21	1,621	13.41	105	0.87	13	0.11	-	-
Gololcha	2,802	18.79	9,818	65.83	2,148	14.40	102	0.68	44	0.30	-	-
Legehida	1,242	15.34	6,533	80.71	295	3.64	24	0.30	-	-	-	-
Ginir	4,032	18.62	14,591	67.39	2,828	13.06	72	0.33	107	0.49	23	0.11
Sinanana Dinsho	3,782	15.14	15,217	60.90	5,727	22.92	199	0.80	63	0.25	-	-
Goba	1,264	17.60	4,593	63.94	1,244	17.32	55	0.77	27	0.38	-	-
Mennana Arena Buluk	7,312	38.09	11,029	57.45	791	4.12	66	0.34	-	-	-	-
Nensebo	12,691	89.57	1,227	8.66	232	1.64	19	0.13	-	-	-	-
Meda Welabu	2,787	22.19	8,855	70.52	843	6.71	55	0.44	17	0.14	-	-
Berbere	2,834	27.75	6,911	67.67	415	4.06	24	0.23	-	-	29	0.28
Guradamole	613	14.74	3,114	74.86	426	10.24	7	0.17	-	-	-	-
Goro	1,617	10.15	11,353	71.25	2,774	17.41	190	1.19	-	-	-	-
Raytu	2,480	40.21	3,484	56.49	189	3.06	7	0.11	-	-	8	0.13
Seweyna	2,021	26.21	5,397	69.99	287	3.72	6	0.08	-	-	-	-
Borena Zone	186,126	65.74	80,349	28.38	13,500	4.77	2,221	0.78	673	0.24	235	0.08
Uraga	35,607	83.54	6,213	14.58	741	1.74	62	0.15	-	-	-	-
Bore	15,740	51.72	13,760	45.21	881	2.89	-	-	52	0.17	-	-
Adolana Wadera	7,628	33.73	12,870	56.91	1,791	7.92	245	1.08	82	0.36	-	-
Odo Shakiso	10,222	72.94	3,507	25.02	254	1.81	32	0.23	-	-	-	-
Hager Mariam	74,182	86.14	9,469	11.00	1,952	2.27	418	0.49	95	0.11	-	-
Yabelo	3,569	35.40	4,555	45.18	1,486	14.74	327	3.24	92	0.91	52	0.52
Arero	1,562	46.89	1,263	37.92	385	11.56	89	2.67	17	0.51	15	0.45
Liben	5,102	34.37	8,100	54.57	1,413	9.52	191	1.29	38	0.26	-	-
Moyale	4,563	42.50	4,681	43.60	1,149	10.70	300	2.79	43	0.40	-	-
Dire	4,043	29.47	6,852	49.95	2,117	15.43	441	3.21	175	1.28	91	0.66
Teltele	2,013	27.35	4,246	57.68	827	11.23	116	1.58	81	1.10	78	1.06
Gelana Abaya	21,892	80.40	4,832	17.75	505	1.85	-	-	-	-	-	-

Table 8.13B:- Number of Crop Holders that Owned Sickle by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Sickle		One Sickle		Two Sickles		Three Sickles		Four Sickles		Five and above Sickles	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	942,609	23.67	1,904,822	47.84	821,427	20.63	202,255	5.08	77,274	1.94	33,317	0.84
West Welega Zone	58,612	18.67	134,784	42.94	88,501	28.19	22,439	7.15	7,047	2.24	2,540	0.81
Mana Sibu	5,191	19.21	9,523	35.24	8,151	30.16	2,281	8.44	1,123	4.16	753	2.79
Nejo	1,491	8.32	4,683	26.14	7,321	40.86	2,717	15.17	1,191	6.65	513	2.86
Gimbi	3,187	18.64	8,031	46.98	4,294	25.12	1,295	7.57	251	1.47	38	0.22
Lalo Asabi	2,818	25.84	4,649	42.63	2,411	22.11	818	7.50	182	1.67	28	0.26
Boji	2,104	13.85	5,514	36.30	5,028	33.11	1,620	10.67	730	4.81	192	1.26
Ayra Guliso	2,301	14.06	9,453	57.74	3,700	22.60	739	4.51	154	0.94	24	0.15
Jarso	1,206	7.45	4,271	26.38	7,070	43.67	2,457	15.18	900	5.56	286	1.77
Gidami	2,026	14.86	5,932	43.50	4,605	33.77	678	4.97	270	1.98	125	0.92
Jimma Horo	728	10.60	3,384	49.26	2,222	32.35	435	6.33	83	1.21	17	0.25
Hawa Welel	3,794	21.91	9,214	53.21	3,568	20.61	588	3.40	131	0.76	20	0.12
Gawo Dale	3,946	16.57	11,959	50.21	6,069	25.48	1,501	6.30	345	1.45	-	-
Dale Sadi	1,175	10.57	6,274	56.44	3,202	28.80	363	3.27	89	0.80	14	0.13
Yubdo	525	9.31	2,694	47.77	1,990	35.28	351	6.22	44	0.78	36	0.64
Ganji	2,350	24.45	4,566	47.51	2,114	22.00	459	4.78	83	0.86	39	0.41
Haru	2,842	24.70	4,372	37.99	2,950	25.63	988	8.59	286	2.49	70	0.61
Nole Kaba	2,682	11.47	10,755	45.99	7,639	32.66	1,895	8.10	282	1.21	135	0.58
Lalo Kilie	1,362	17.24	3,950	50.00	2,103	26.62	397	5.03	69	0.87	19	0.24
Sayo	6,743	33.98	9,638	48.57	2,687	13.54	627	3.16	73	0.37	76	0.38
Anfilo	6,495	54.82	3,134	26.45	1,450	12.24	459	3.87	267	2.25	43	0.36
Begi	5,644	18.36	12,789	41.61	9,927	32.30	1,770	5.76	493	1.60	111	0.36
East Welega Zone	26,543	10.17	77,100	29.55	99,249	38.04	36,031	13.81	15,098	5.79	6,872	2.63
Limu	2,033	9.83	6,297	30.43	7,908	38.22	2,973	14.37	1,031	4.98	448	2.17
Ibantu	158	3.11	697	13.70	2,545	50.03	1,123	22.08	453	8.91	111	2.18
Gida Kiremu	1,929	8.70	4,469	20.16	9,493	42.82	3,733	16.84	1,647	7.43	897	4.05
Jarte	475	6.45	1,337	18.16	2,527	34.32	1,874	25.45	716	9.72	434	5.89
Amuru	456	5.89	1,141	14.74	2,940	37.99	1,844	23.83	901	11.64	457	5.91
Abe Dongoro	1,265	13.36	3,649	38.53	2,817	29.75	1,009	10.65	537	5.67	193	2.04
Jimma Horo	2,320	9.66	8,575	35.69	8,719	36.29	2,158	8.98	1,526	6.35	725	3.02
Abay Chomen	499	10.58	1,069	22.67	1,994	42.29	743	15.76	317	6.72	93	1.97
Guduru	1,486	6.91	7,147	33.21	8,620	40.06	2,428	11.28	1,440	6.69	399	1.85
Jimma Rare	412	5.32	3,131	40.46	3,314	42.83	629	8.13	143	1.85	109	1.41
Bila Seyo	1,566	11.63	5,210	38.68	4,867	36.13	1,117	8.29	460	3.41	250	1.86
Sibu Sire	1,795	11.81	4,353	28.63	5,960	39.20	2,036	13.39	621	4.08	438	2.88
Guto Wayu	3,982	13.98	8,744	30.69	10,273	36.06	3,399	11.93	1,423	5.00	666	2.34
Sasiga	2,421	21.34	3,515	30.98	3,699	32.60	1,261	11.11	332	2.93	118	1.04
Leka Dulecha	651	6.17	3,130	29.65	4,253	40.29	1,801	17.06	465	4.41	255	2.42
Diga	1,230	10.36	4,644	39.13	3,468	29.22	1,570	13.23	540	4.55	416	3.51
Jimma Arjo	1,580	11.85	3,005	22.54	5,038	37.79	2,306	17.30	972	7.29	432	3.24
Nunu Kumba	785	7.52	2,941	28.18	4,540	43.49	1,535	14.71	547	5.24	90	0.86
Wama Bonaya	1,499	9.56	4,048	25.82	6,274	40.01	2,491	15.89	1,027	6.55	341	2.17
Illibabor Zone	46,567	23.85	98,695	50.54	40,253	20.61	7,421	3.80	1,642	0.84	709	0.36
Darimu	5,756	25.78	13,059	58.50	3,029	13.57	369	1.65	84	0.38	27	0.12
Supena Sodo	1,710	13.01	7,288	55.47	3,272	24.90	620	4.72	182	1.39	67	0.51
Chora	2,252	11.52	11,283	57.70	5,059	25.87	726	3.71	210	1.07	24	0.12
Dega	650	6.38	4,562	44.76	3,564	34.97	1,068	10.48	236	2.32	111	1.09
Bedele	5,205	25.37	7,502	36.57	5,790	28.23	1,456	7.10	348	1.70	212	1.03
Gechi	1,013	9.30	5,069	46.53	3,813	35.00	834	7.66	119	1.09	45	0.41
Borecha Wereda	1,065	11.79	4,812	53.29	2,768	30.65	296	3.28	66	0.73	23	0.25
Dedesa	2,895	20.63	6,973	49.69	3,354	23.90	568	4.05	148	1.05	95	0.68
yayu	4,874	25.38	10,752	56.00	2,781	14.48	607	3.16	120	0.62	67	0.35
Metu	7,825	34.55	11,660	51.48	2,665	11.77	453	2.00	48	0.21	-	-

Table 8.13B:- Number of Crop Holders that Owned Sickle by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Sickle		One Sickle		Two Sickles		Three Sickles		Four Sickles		Five and above Sickles	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	6,469	37.27	8,229	47.41	2,426	13.98	162	0.93	48	0.28	22	0.13
Bure	3,771	31.45	6,409	53.44	1,529	12.75	234	1.95	33	0.28	16	0.13
Nono	3,084	69.92	1,097	24.87	203	4.60	27	0.61	-	-	-	-
Jimma Zone	102,061	23.02	254,816	57.48	70,400	15.88	11,484	2.59	3,066	0.69	1,488	0.34
Limu Seka	5,179	17.71	14,397	49.23	7,299	24.96	1,725	5.90	384	1.31	261	0.89
Limu Kosa	11,008	23.97	25,921	56.45	7,159	15.59	1,254	2.73	470	1.02	109	0.24
Sokoru	3,050	11.92	14,062	54.96	5,867	22.93	1,501	5.87	607	2.37	499	1.95
Tiro Afeta	3,479	14.41	12,983	53.79	6,150	25.48	1,136	4.71	306	1.27	81	0.34
Kersa	3,907	13.26	19,177	65.06	5,455	18.51	736	2.50	199	0.68	-	-
Mana	9,969	35.84	15,245	54.81	2,413	8.67	159	0.57	-	-	30	0.11
Goma	18,957	38.28	24,328	49.12	5,532	11.17	563	1.14	143	0.29	-	-
Gera	4,022	19.33	13,169	63.30	2,633	12.66	500	2.40	212	1.02	267	1.28
Seka chekorsa	16,632	29.48	31,495	55.82	7,110	12.60	879	1.56	228	0.40	78	0.14
Dedo	12,195	22.57	35,609	65.90	5,266	9.75	842	1.56	123	0.23	-	-
Omonada	7,293	15.86	27,673	60.20	9,195	20.00	1,502	3.27	190	0.41	119	0.26
Sigmo	3,224	19.99	9,343	57.92	3,169	19.64	317	1.97	59	0.37	20	0.12
Setema	3,146	17.24	11,414	62.55	3,152	17.27	369	2.02	145	0.79	23	0.13
West Shewa Zone	52,462	10.44	196,569	39.11	168,835	33.59	51,980	10.34	21,826	4.34	10,919	2.17
Ginde Beret	2,638	7.84	8,524	25.35	14,785	43.96	4,956	14.74	1,927	5.73	800	2.38
Jeldu	2,646	7.85	13,060	38.75	12,973	38.49	3,200	9.50	1,220	3.62	602	1.79
Ambo	4,291	10.69	15,516	38.67	13,937	34.74	4,062	10.12	1,089	2.71	1,227	3.06
Cheliya	2,769	7.48	13,454	36.35	13,159	35.55	5,284	14.28	1,738	4.70	607	1.64
Bako Tibe	2,134	11.01	6,935	35.77	7,417	38.25	1,817	9.37	815	4.20	271	1.40
Dano	1,653	10.63	5,702	36.68	5,328	34.28	1,790	11.52	709	4.56	362	2.33
Nono	2,268	9.80	12,522	54.11	5,928	25.62	1,444	6.24	722	3.12	256	1.11
Tikur	1,752	13.91	8,468	67.23	1,982	15.74	279	2.21	84	0.67	31	0.25
Amaya	2,043	9.31	11,033	50.28	6,537	29.79	1,525	6.95	577	2.63	228	1.04
Wonchi	2,126	12.21	10,867	62.44	3,558	20.44	598	3.44	127	0.73	129	0.74
Dendi	3,172	8.55	14,379	38.75	12,153	32.75	4,365	11.76	1,715	4.62	1,322	3.56
Ejerie	2,089	13.73	4,100	26.94	4,913	32.28	1,928	12.67	1,354	8.90	835	5.49
Adda Berga	1,421	7.36	5,234	27.12	8,088	41.90	2,720	14.09	1,290	6.68	549	2.84
Walmara	1,438	8.42	4,779	27.99	6,705	39.27	2,195	12.86	1,261	7.39	695	4.07
Alem Gana	2,772	13.45	7,885	38.26	6,559	31.83	1,757	8.53	1,107	5.37	527	2.56
Kersana Kondaltiti	3,186	14.45	11,901	53.97	5,315	24.10	1,255	5.69	339	1.54	55	0.25
Tole	1,438	13.83	5,573	53.58	2,709	26.05	463	4.45	180	1.73	38	0.37
Elu	1,673	16.16	2,603	25.14	4,027	38.89	1,187	11.46	789	7.62	75	0.72
Dawo	1,312	10.04	4,625	35.39	4,895	37.46	1,296	9.92	731	5.59	209	1.60
Walisona Goro	4,905	13.77	12,112	33.99	10,998	30.86	4,906	13.77	1,552	4.36	1,160	3.26
Becho	1,291	11.43	4,290	37.98	3,984	35.28	911	8.07	514	4.55	304	2.69
Kokir	1,203	9.73	6,536	52.87	3,550	28.72	783	6.33	140	1.13	150	1.21
Meta Robi	2,245	9.50	6,470	27.37	9,332	39.48	3,260	13.79	1,844	7.80	488	2.06
North Shewa(Oromia) Zone	14,997	6.33	69,511	29.33	98,708	41.65	32,046	13.52	15,409	6.50	6,340	2.67
Wara Jarso	1,142	4.57	5,925	23.69	11,858	47.41	3,741	14.96	1,653	6.61	690	2.76
Dera	2,172	6.20	14,740	42.07	13,143	37.51	3,977	11.35	755	2.15	248	0.71
Hidabu Abote	1,089	6.86	6,568	41.35	5,889	37.08	1,582	9.96	543	3.42	213	1.34
Kuyu	1,383	6.88	5,555	27.65	9,046	45.03	2,643	13.16	1,119	5.57	344	1.71
Degem	983	5.48	6,094	33.98	7,641	42.60	1,953	10.89	938	5.23	327	1.82
Gerar Jarso	545	4.14	3,011	22.87	5,801	44.07	2,175	16.52	1,055	8.01	576	4.38
Yaya Gulelena Debre	981	5.92	3,631	21.92	7,515	45.36	2,679	16.17	1,096	6.62	664	4.01
Wuchalena Jido	1,148	5.21	3,893	17.68	9,044	41.08	4,164	18.91	2,467	11.20	1,301	5.91
Abichuna Gna'a	546	4.60	1,742	14.68	5,840	49.21	1,944	16.38	1,258	10.60	538	4.53
Kembibit	898	8.27	3,053	28.11	4,558	41.97	1,372	12.63	730	6.72	249	2.29
Berehna Aleltu	2,422	9.78	8,514	34.37	8,498	34.30	2,601	10.50	2,109	8.51	630	2.54
Mulona Sululta	1,692	7.11	6,785	28.50	9,873	41.47	3,213	13.49	1,687	7.09	560	2.35

Table 8.13B:- Number of Crop Holders that Owned Sickle by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Sickle		One Sickle		Two Sickles		Three Sickles		Four Sickles		Five and above Sickles	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	100,733	31.98	151,398	48.07	48,810	15.50	8,747	2.78	4,135	1.31	1,143	0.36
Fentale	2,136	31.99	3,297	49.38	965	14.45	193	2.89	86	1.29	-	-
Boset	9,221	37.13	11,689	47.06	3,377	13.60	383	1.54	143	0.58	24	0.10
Adama	6,915	25.70	13,524	50.26	4,176	15.52	1,074	3.99	946	3.52	271	1.01
Lome	3,226	22.15	6,475	44.46	3,646	25.03	772	5.30	338	2.32	107	0.73
Gimbichu	2,547	16.36	7,358	47.26	4,607	29.59	739	4.75	266	1.71	52	0.33
Ada'a Liben Chukala	7,958	19.81	15,433	38.41	12,227	30.43	2,769	6.89	1,370	3.41	419	1.04
Dugda Bora	4,939	17.12	16,529	57.30	6,204	21.51	959	3.32	135	0.47	78	0.27
Adami Tullu Jido	11,581	48.67	10,190	42.83	1,674	7.04	245	1.03	77	0.32	27	0.11
Arsi Negele	9,721	36.57	14,830	55.79	1,785	6.71	174	0.65	74	0.28	-	-
Shashemene	17,763	38.52	24,869	53.94	3,141	6.81	232	0.50	54	0.12	49	0.11
Seraro	22,875	47.45	21,543	44.69	3,169	6.57	407	0.84	161	0.33	54	0.11
Akaki	1,845	14.53	5,662	44.60	3,838	30.23	802	6.32	485	3.82	64	0.50
Arsi Zone	85,416	17.33	276,431	56.07	105,453	21.39	18,770	3.81	5,081	1.03	1,856	0.38
Merti	3,143	13.82	13,096	57.56	5,259	23.12	1,011	4.44	148	0.65	93	0.41
Aseko	2,842	19.74	8,233	57.19	2,625	18.23	500	3.47	126	0.88	70	0.49
Gololcha	9,075	31.10	18,369	62.95	1,662	5.70	72	0.25	-	-	-	-
Jeju	4,530	20.39	13,747	61.88	3,160	14.22	660	2.97	120	0.54	-	-
Dodotana Sire	4,333	18.93	12,920	56.45	4,685	20.47	771	3.37	129	0.56	49	0.21
Zeway Dugda	4,199	19.81	12,961	61.14	3,357	15.83	483	2.28	200	0.94	-	-
Hitosa	6,114	15.59	22,413	57.13	8,708	22.20	1,330	3.39	498	1.27	166	0.42
Sude	4,079	16.00	16,397	64.30	4,367	17.12	585	2.29	73	0.29	-	-
Chole	2,658	16.70	8,307	52.19	3,905	24.53	685	4.30	215	1.35	148	0.93
Amigna	2,212	19.79	6,125	54.80	2,472	22.12	266	2.38	70	0.63	31	0.28
Seru	4,869	26.75	9,042	49.67	3,604	19.80	603	3.31	40	0.22	47	0.26
Robe	4,060	15.00	16,566	61.21	5,639	20.84	507	1.87	196	0.72	94	0.35
Tena	3,117	15.07	12,360	59.76	4,523	21.87	492	2.38	170	0.82	22	0.11
Sherka	5,427	20.55	13,206	50.01	6,500	24.62	997	3.78	275	1.04	-	-
Digeluna Tijo	2,753	12.41	10,995	49.57	5,914	26.66	1,661	7.49	672	3.03	186	0.84
Tiyo	2,764	17.30	7,983	49.96	4,231	26.48	725	4.54	201	1.26	74	0.46
Munesa	5,307	15.09	18,537	52.71	9,358	26.61	1,479	4.21	348	0.99	142	0.40
Bekoji	3,977	11.05	18,031	50.09	10,611	29.48	2,305	6.40	713	1.98	358	0.99
Gedeb	2,437	9.81	14,530	58.48	5,878	23.66	1,562	6.29	333	1.34	107	0.43
Kofele	7,521	17.90	22,613	53.80	8,995	21.40	2,076	4.94	554	1.32	269	0.64
West Harerge Zone	81,655	28.03	191,266	65.65	16,751	5.75	1,081	0.37	390	0.13	213	0.07
Mieso	8,167	49.80	7,006	42.72	999	6.09	131	0.80	75	0.46	22	0.13
Doba	4,515	19.83	16,133	70.86	1,795	7.88	260	1.14	65	0.29	-	-
Tulo	2,632	10.82	19,004	78.11	2,459	10.11	173	0.71	27	0.11	34	0.14
Mesela	10,470	40.52	14,683	56.82	687	2.66	-	-	-	-	-	-
Chiro	15,726	25.21	44,328	71.07	2,226	3.57	-	-	88	0.14	-	-
Goba Koricha	8,672	43.33	9,724	48.59	1,431	7.15	130	0.65	-	-	57	0.28
Anchar	1,835	13.66	10,699	79.66	850	6.33	18	0.13	-	-	28	0.21
Habro	8,672	28.54	18,942	62.34	2,343	7.71	246	0.81	110	0.36	73	0.24
Darolebu	8,966	33.23	17,309	64.16	649	2.41	54	0.20	-	-	-	-
Boke	7,648	34.54	13,598	61.41	842	3.80	31	0.14	25	0.11	-	-
Kuni	4,350	16.29	19,840	74.30	2,472	9.26	39	0.15	-	-	-	-
East Harerge Zone	170,695	44.09	200,813	51.86	14,223	3.67	1,168	0.30	242	0.06	52	0.01
Kombolcha	4,380	21.15	14,999	72.42	1,224	5.91	107	0.52	-	-	-	-
Jarso	6,311	37.01	9,806	57.51	861	5.05	54	0.32	20	0.12	-	-
Gursum	13,040	51.00	10,959	42.86	1,178	4.61	353	1.38	37	0.14	-	-
Babile	9,116	89.05	980	9.57	127	1.24	14	0.14	-	-	-	-
Fedis	22,995	93.61	1,511	6.15	59	0.24	-	-	-	-	-	-
Haro Maya	15,484	49.31	13,412	42.71	2,186	6.96	226	0.72	44	0.14	52	0.17
Kurfa Chele	2,745	38.54	4,118	57.82	248	3.48	11	0.15	-	-	-	-
Kersa	7,410	26.71	18,512	66.72	1,720	6.20	69	0.25	34	0.12	-	-

Table 8.13B:- Number of Crop Holders that Owned Sickle by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Sickle		One Sickle		Two Sickles		Three Sickles		Four Sickles		Five and above Sickles	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	15,317	34.99	25,971	59.33	2,292	5.24	88	0.20	107	0.24	-	-
Goro Gutu	13,010	50.59	12,089	47.01	560	2.18	59	0.23	-	-	-	-
Deder	12,398	32.40	24,616	64.33	1,251	3.27	-	-	-	-	-	-
Malka Balo	11,584	46.47	12,765	51.20	513	2.06	68	0.27	-	-	-	-
Bedeno	15,692	36.19	26,312	60.69	1,251	2.89	101	0.23	-	-	-	-
Girawa	15,086	38.80	23,183	59.62	617	1.59	-	-	-	-	-	-
Gola Oda	6,126	77.93	1,579	20.09	137	1.74	19	0.24	-	-	-	-
Bale Zone	65,662	25.35	140,632	54.29	44,398	17.14	6,191	2.39	1,477	0.57	698	0.27
Kokosa	17,280	73.93	5,130	21.95	876	3.75	26	0.11	29	0.12	34	0.15
Dodola	5,220	22.07	12,023	50.84	5,264	22.26	649	2.74	441	1.86	53	0.22
Adaba	3,280	16.52	10,247	51.61	5,026	25.31	951	4.79	195	0.98	157	0.79
Agarfa	2,523	19.19	6,904	52.52	3,020	22.97	420	3.19	245	1.86	34	0.26
Gasera	2,504	20.71	7,132	59.00	2,168	17.94	252	2.08	19	0.16	13	0.11
Gololcha	2,948	19.77	7,879	52.83	3,493	23.42	452	3.03	103	0.69	39	0.26
Legehida	2,629	32.48	4,933	60.95	485	5.99	47	0.58	-	-	-	-
Ginir	4,101	18.94	13,429	62.02	3,519	16.25	476	2.20	70	0.32	58	0.27
Sinanana Dinsho	3,300	13.21	13,401	53.63	6,634	26.55	1,257	5.03	194	0.78	202	0.81
Goba	846	11.78	4,087	56.90	1,823	25.38	332	4.62	78	1.09	17	0.24
Mennana Arena Buluk	3,374	17.57	12,622	65.75	2,890	15.05	290	1.51	22	0.11	-	-
Nensebo	5,618	39.65	7,269	51.30	1,166	8.23	116	0.82	-	-	-	-
Meda Welabu	2,099	16.72	8,357	66.55	1,909	15.20	143	1.14	12	0.10	37	0.29
Berbere	1,807	17.69	6,249	61.19	1,855	18.16	289	2.83	-	-	13	0.13
Guradamole	791	19.01	2,990	71.88	372	8.94	7	0.17	-	-	-	-
Goro	1,373	8.62	11,081	69.54	2,958	18.56	421	2.64	60	0.38	41	0.26
Raytu	2,897	46.97	2,598	42.12	643	10.42	22	0.36	8	0.13	-	-
Seweyna	3,072	39.84	4,300	55.76	298	3.86	41	0.53	-	-	-	-
Borena Zone	137,204	48.46	112,808	39.85	25,848	9.13	4,897	1.73	1,860	0.66	487	0.17
Uraga	22,729	53.33	17,309	40.61	2,472	5.80	113	0.27	-	-	-	-
Bore	6,284	20.65	20,318	66.76	3,568	11.72	175	0.58	52	0.17	36	0.12
Adolana Wadera	1,712	7.57	12,073	53.38	6,500	28.74	1,697	7.50	491	2.17	143	0.63
Odo Shakiso	2,375	16.95	7,519	53.65	3,215	22.94	666	4.75	151	1.08	89	0.64
Hager Mariam	59,151	68.69	22,097	25.66	3,800	4.41	763	0.89	305	0.35	-	-
Yabelo	5,930	58.82	2,712	26.90	1,042	10.34	214	2.12	142	1.41	41	0.41
Arero	2,173	65.24	757	22.73	275	8.26	66	1.98	35	1.05	25	0.75
Liben	5,043	33.97	7,727	52.05	1,389	9.36	429	2.89	186	1.25	70	0.47
Moyale	4,142	38.58	4,983	46.41	1,078	10.04	251	2.34	261	2.43	21	0.20
Dire	7,932	57.82	4,254	31.01	1,143	8.33	260	1.90	130	0.95	-	-
Teltele	5,215	70.85	1,759	23.90	262	3.56	57	0.77	37	0.50	31	0.42
Gelana Abaya	14,517	53.31	11,300	41.50	1,104	4.05	206	0.76	71	0.26	31	0.11

Table 8.14B:- Number of Crop Holders that Owned Hay-Fork(metal) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Hay-Fork (metal)		One Hay-Fork (metal)		Two Hay-Forks (metal)		Three Hay-Forks (metal)		Four Hay-Forks (metal)		Five and above Hay-Forks (metal)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	3,660,261	91.93	259,231	6.51	53,609	1.35	6,784	0.17	1,582	0.04	237	0.01
West Welega Zone	312,856	99.66	643	0.20	270	0.09	92	0.03	31	0.01	31	0.01
Mana Sibu	26,942	99.70	53	0.20	27	0.10	-	-	-	-	-	-
Nejo	17,845	99.60	50	0.28	21	0.12	-	-	-	-	-	-
Gimbi	17,048	99.72	26	0.15	22	0.13	-	-	-	-	-	-
Lalo Asabi	10,892	99.87	-	-	-	-	-	-	14	0.13	-	-
Boji	15,137	99.66	17	0.11	-	-	17	0.11	17	0.11	-	-
Ayra Guliso	16,265	99.35	106	0.65	-	-	-	-	-	-	-	-
Jarso	16,055	99.17	78	0.48	37	0.23	20	0.12	-	-	-	-
Gidami	13,558	99.43	45	0.33	33	0.24	-	-	-	-	-	-
Jimma Horo	6,869	100.00	-	-	-	-	-	-	-	-	-	-
Hawa Welel	17,315	100.00	-	-	-	-	-	-	-	-	-	-
Gawo Dale	23,658	99.32	72	0.30	60	0.25	30	0.13	-	-	-	-
Dale Sadi	11,117	100.00	-	-	-	-	-	-	-	-	-	-
Yubdo	5,632	99.86	8	0.14	-	-	-	-	-	-	-	-
Ganji	9,575	99.63	12	0.12	24	0.25	-	-	-	-	-	-
Haru	11,494	99.88	-	-	14	0.12	-	-	-	-	-	-
Nole Kaba	23,194	99.17	130	0.56	33	0.14	-	-	-	-	31	0.13
Lalo Kilie	7,900	100.00	-	-	-	-	-	-	-	-	-	-
Sayo	19,789	99.72	30	0.15	-	-	25	0.13	-	-	-	-
Anfilo	11,831	99.86	17	0.14	-	-	-	-	-	-	-	-
Begi	30,734	100.00	-	-	-	-	-	-	-	-	-	-
East Welega Zone	258,850	99.22	1,193	0.46	573	0.22	214	0.08	63	0.02	-	-
Limu	20,578	99.46	61	0.29	51	0.25	-	-	-	-	-	-
Ibantu	5,033	98.94	20	0.39	34	0.67	-	-	-	-	-	-
Gida Kiremu	22,025	99.35	114	0.51	29	0.13	-	-	-	-	-	-
Jarte	7,275	98.80	50	0.68	29	0.39	9	0.12	-	-	-	-
Amuru	7,648	98.82	50	0.65	41	0.53	-	-	-	-	-	-
Abe Dongoro	9,418	99.45	31	0.33	11	0.12	-	-	10	0.11	-	-
Jimma Horo	23,868	99.35	92	0.38	29	0.12	-	-	34	0.14	-	-
Abay Chomen	4,661	98.85	22	0.47	15	0.32	10	0.21	7	0.15	-	-
Guduru	21,337	99.15	24	0.11	159	0.74	-	-	-	-	-	-
Jimma Rare	7,682	99.28	34	0.44	11	0.14	11	0.14	-	-	-	-
Bila Seyo	13,149	97.62	303	2.25	18	0.13	-	-	-	-	-	-
Sibu Sire	15,080	99.19	37	0.24	-	-	86	0.57	-	-	-	-
Guto Wayu	28,425	99.78	-	-	29	0.10	33	0.12	-	-	-	-
Sasiga	11,334	99.89	12	0.11	-	-	-	-	-	-	-	-
Leka Dulecha	10,488	99.37	26	0.25	27	0.26	14	0.13	-	-	-	-
Diga	11,637	98.05	199	1.68	13	0.11	19	0.16	-	-	-	-
Jimma Arjo	13,142	98.57	82	0.62	75	0.56	34	0.26	-	-	-	-
Nunu Kumba	10,408	99.71	17	0.16	-	-	-	-	13	0.12	-	-
Wama Bonaya	15,660	99.87	20	0.13	-	-	-	-	-	-	-	-
Illibabor Zone	194,434	99.56	714	0.37	74	0.04	21	0.01	44	0.02	-	-
Darimu	22,324	100.00	-	-	-	-	-	-	-	-	-	-
Supena Sodo	13,069	99.47	18	0.14	36	0.27	-	-	16	0.12	-	-
Chora	19,507	99.76	47	0.24	-	-	-	-	-	-	-	-
Dega	10,153	99.63	12	0.12	26	0.26	-	-	-	-	-	-
Bedele	20,344	99.18	141	0.69	-	-	-	-	28	0.14	-	-
Gechi	10,807	99.21	57	0.52	13	0.12	16	0.15	-	-	-	-
Borecha Wereda	9,009	99.77	21	0.23	-	-	-	-	-	-	-	-
Dedesa	14,033	100.00	-	-	-	-	-	-	-	-	-	-
yayu	19,150	99.73	51	0.27	-	-	-	-	-	-	-	-
Metu	22,506	99.36	145	0.64	-	-	-	-	-	-	-	-

Table 8.14B:- Number of Crop Holders that Owned Hay-Fork(metal) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Hay-Fork (metal)		One Hay-Fork (metal)		Two Hay-Forks (metal)		Three Hay-Forks (metal)		Four Hay-Forks (metal)		Five and above Hay-Forks (metal)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	17,231	99.28	125	0.72	-	-	-	-	-	-	-	-
Bure	11,906	99.28	86	0.72	-	-	-	-	-	-	-	-
Nono	4,393	99.59	12	0.27	-	-	6	0.14	-	-	-	-
Jimma Zone	441,615	99.62	1,681	0.38	-	-	-	-	19	0.00	-	-
Limu Seka	29,206	99.87	39	0.13	-	-	-	-	-	-	-	-
Limu Kosa	45,531	99.15	390	0.85	-	-	-	-	-	-	-	-
Sokoru	25,554	99.87	32	0.13	-	-	-	-	-	-	-	-
Tiro Afeta	23,983	99.37	152	0.63	-	-	-	-	-	-	-	-
Kersa	29,435	99.87	39	0.13	-	-	-	-	-	-	-	-
Mana	27,776	99.86	40	0.14	-	-	-	-	-	-	-	-
Goma	49,333	99.62	190	0.38	-	-	-	-	-	-	-	-
Gera	20,608	99.06	176	0.85	-	-	-	-	19	0.09	-	-
Seka chekorsa	56,356	99.88	66	0.12	-	-	-	-	-	-	-	-
Dedo	53,818	99.60	217	0.40	-	-	-	-	-	-	-	-
Omonada	45,676	99.36	296	0.64	-	-	-	-	-	-	-	-
Sigmo	16,132	100.00	-	-	-	-	-	-	-	-	-	-
Setema	18,206	99.76	43	0.24	-	-	-	-	-	-	-	-
West Shewa Zone	481,996	95.90	15,864	3.16	4,160	0.83	454	0.09	97	0.02	20	0.00
Ginde Beret	33,411	99.35	134	0.40	85	0.25	-	-	-	-	-	-
Jeldu	33,136	98.32	433	1.28	132	0.39	-	-	-	-	-	-
Ambo	38,688	96.43	1,052	2.62	288	0.72	94	0.23	-	-	-	-
Cheliya	36,793	99.41	218	0.59	-	-	-	-	-	-	-	-
Bako Tibe	19,301	99.55	45	0.23	43	0.22	-	-	-	-	-	-
Dano	15,490	99.65	16	0.10	18	0.12	-	-	-	-	20	0.13
Nono	23,054	99.63	60	0.26	26	0.11	-	-	-	-	-	-
Tikur	12,536	99.52	60	0.48	-	-	-	-	-	-	-	-
Amaya	21,399	97.52	408	1.86	136	0.62	-	-	-	-	-	-
Wonchi	17,290	99.34	71	0.41	44	0.25	-	-	-	-	-	-
Dendi	36,096	97.28	821	2.21	142	0.38	47	0.13	-	-	-	-
Ejerie	14,020	92.12	1,024	6.73	157	1.03	18	0.12	-	-	-	-
Adda Berga	19,043	98.66	155	0.80	56	0.29	22	0.11	26	0.13	-	-
Walmara	12,558	73.55	3,048	17.85	1,270	7.44	152	0.89	45	0.26	-	-
Alem Gana	14,923	72.42	4,462	21.65	1,117	5.42	79	0.38	26	0.13	-	-
Kersana Kondaltiti	20,821	94.42	892	4.05	310	1.41	28	0.13	-	-	-	-
Tole	9,692	93.18	639	6.14	70	0.67	-	-	-	-	-	-
Elu	9,876	95.38	442	4.27	36	0.35	-	-	-	-	-	-
Dawo	12,711	97.27	287	2.20	70	0.54	-	-	-	-	-	-
Walisona Goro	35,328	99.14	259	0.73	46	0.13	-	-	-	-	-	-
Becho	10,581	93.69	673	5.96	27	0.24	13	0.12	-	-	-	-
Kokir	12,222	98.87	140	1.13	-	-	-	-	-	-	-	-
Meta Robi	23,026	97.41	526	2.23	87	0.37	-	-	-	-	-	-
North Shewa(Oromia) Zone	225,339	95.08	9,299	3.92	2,174	0.92	107	0.05	92	0.04	-	-
Wara Jarso	24,878	99.48	95	0.38	36	0.14	-	-	-	-	-	-
Dera	34,836	99.43	41	0.12	158	0.45	-	-	-	-	-	-
Hidabu Abote	15,792	99.42	67	0.42	25	0.16	-	-	-	-	-	-
Kuyu	20,008	99.59	82	0.41	-	-	-	-	-	-	-	-
Degem	17,597	98.11	311	1.73	28	0.16	-	-	-	-	-	-
Gerar Jarso	12,837	97.52	291	2.21	35	0.27	-	-	-	-	-	-
Yaya Gulelena Debre	16,169	97.60	376	2.27	21	0.13	-	-	-	-	-	-
Wuchalena Jido	21,335	96.90	592	2.69	90	0.41	-	-	-	-	-	-
Abichuna Gna'a	11,340	95.55	482	4.06	46	0.39	-	-	-	-	-	-
Kembibit	10,388	95.65	460	4.24	12	0.11	-	-	-	-	-	-
Berehna Aleltu	19,212	77.55	4,414	17.82	1,023	4.13	33	0.13	92	0.37	-	-
Mulona Sululta	20,948	87.98	2,088	8.77	700	2.94	74	0.31	-	-	-	-

Table 8.14B:- Number of Crop Holders that Owned Hay-Fork(metal) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Hay-Fork (metal)		One Hay-Fork (metal)		Two Hay-Forks (metal)		Three Hay-Forks (metal)		Four Hay-Forks (metal)		Five and above Hay-Forks (metal)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	235,010	74.61	60,572	19.23	15,691	4.98	2,950	0.94	623	0.20	120	0.04
Fentale	6,640	99.45	-	-	37	0.55	-	-	-	-	-	-
Boset	18,901	76.10	4,713	18.98	1,057	4.26	137	0.55	29	0.12	-	-
Adama	13,318	49.50	10,064	37.40	2,638	9.80	683	2.54	203	0.75	-	-
Lome	5,608	38.51	5,608	38.51	2,694	18.50	534	3.67	120	0.82	-	-
Gimbichu	7,931	50.94	5,604	35.99	1,890	12.14	107	0.69	37	0.24	-	-
Ada'a Liben Chukala	24,645	61.34	11,028	27.45	3,519	8.76	864	2.15	80	0.20	40	0.10
Dugda Bora	18,578	64.41	8,837	30.64	1,143	3.96	173	0.60	33	0.11	80	0.28
Adami Tullu Jido	21,612	90.83	1,840	7.73	342	1.44	-	-	-	-	-	-
Arsi Negele	21,779	81.93	4,233	15.92	420	1.58	108	0.41	44	0.17	-	-
Shashemene	42,443	92.05	3,524	7.64	141	0.31	-	-	-	-	-	-
Seraro	47,815	99.18	240	0.50	110	0.23	-	-	44	0.09	-	-
Akaki	5,740	45.21	4,880	38.44	1,700	13.39	343	2.70	33	0.26	-	-
Arsi Zone	326,216	66.17	136,933	27.78	26,654	5.41	2,612	0.53	527	0.11	65	0.01
Merti	20,671	90.86	1,851	8.14	228	1.00	-	-	-	-	-	-
Aseko	13,649	94.81	529	3.67	182	1.26	36	0.25	-	-	-	-
Gololcha	29,009	99.42	169	0.58	-	-	-	-	-	-	-	-
Jeju	17,487	78.71	4,135	18.61	516	2.32	21	0.09	29	0.13	29	0.13
Dodotana Sire	11,818	51.64	8,980	39.24	1,691	7.39	331	1.45	67	0.29	-	-
Zeway Dugda	13,789	65.04	6,790	32.03	602	2.84	19	0.09	-	-	-	-
Hitosa	15,436	39.35	18,223	46.45	4,899	12.49	507	1.29	128	0.33	36	0.09
Sude	22,042	86.44	3,217	12.62	242	0.95	-	-	-	-	-	-
Chole	14,839	93.22	928	5.83	151	0.95	-	-	-	-	-	-
Amigna	9,401	84.12	1,666	14.91	109	0.98	-	-	-	-	-	-
Seru	14,347	78.81	3,572	19.62	286	1.57	-	-	-	-	-	-
Robe	21,122	78.05	5,461	20.18	479	1.77	-	-	-	-	-	-
Tena	15,534	75.10	4,530	21.90	564	2.73	56	0.27	-	-	-	-
Sherka	19,653	74.43	5,741	21.74	949	3.59	30	0.11	32	0.12	-	-
Digeluna Tijo	8,041	36.25	10,988	49.54	2,713	12.23	355	1.60	84	0.38	-	-
Tiyo	5,963	37.32	6,976	43.66	2,674	16.74	289	1.81	76	0.48	-	-
Munesa	19,040	54.14	13,166	37.43	2,673	7.60	292	0.83	-	-	-	-
Bekoji	15,204	42.24	16,261	45.18	4,134	11.48	314	0.87	82	0.23	-	-
Gedeb	9,659	38.87	12,641	50.88	2,278	9.17	240	0.97	29	0.12	-	-
Kofele	29,508	70.21	11,109	26.43	1,288	3.06	123	0.29	-	-	-	-
West Harerge Zone	286,941	98.48	4,130	1.42	285	0.10	-	-	-	-	-	-
Mieso	15,786	96.26	492	3.00	122	0.74	-	-	-	-	-	-
Doba	22,188	97.45	580	2.55	-	-	-	-	-	-	-	-
Tulo	24,178	99.38	151	0.62	-	-	-	-	-	-	-	-
Mesela	25,651	99.27	189	0.73	-	-	-	-	-	-	-	-
Chiro	61,000	97.81	1,298	2.08	70	0.11	-	-	-	-	-	-
Goba Koricha	19,836	99.11	150	0.75	28	0.14	-	-	-	-	-	-
Anchar	13,351	99.41	79	0.59	-	-	-	-	-	-	-	-
Habro	29,996	98.72	358	1.18	32	0.11	-	-	-	-	-	-
Darolebu	26,878	99.63	100	0.37	-	-	-	-	-	-	-	-
Boke	21,717	98.07	427	1.93	-	-	-	-	-	-	-	-
Kuni	26,362	98.73	306	1.15	33	0.12	-	-	-	-	-	-
East Harerge Zone	383,056	98.93	3,982	1.03	155	0.04	-	-	-	-	-	-
Kombolcha	20,575	99.35	109	0.53	26	0.13	-	-	-	-	-	-
Jarso	16,865	98.90	157	0.92	30	0.18	-	-	-	-	-	-
Gursum	25,265	98.82	249	0.97	53	0.21	-	-	-	-	-	-
Babile	10,147	99.12	90	0.88	-	-	-	-	-	-	-	-
Fedis	24,387	99.28	152	0.62	26	0.11	-	-	-	-	-	-
Haro Maya	30,031	95.63	1,373	4.37	-	-	-	-	-	-	-	-
Kurfa Chele	7,042	98.88	60	0.84	20	0.28	-	-	-	-	-	-
Kersa	27,351	98.58	394	1.42	-	-	-	-	-	-	-	-

Table 8.14B:- Number of Crop Holders that Owned Hay-Fork (metal) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Hay-Fork (metal)		One Hay-Fork (metal)		Two Hay-Forks (metal)		Three Hay-Forks (metal)		Four Hay-Forks (metal)		Five and above Hay-Forks (metal)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	43,520	99.42	255	0.58	-	-	-	-	-	-	-	-
Goro Gutu	25,537	99.30	181	0.70	-	-	-	-	-	-	-	-
Deder	38,116	99.61	149	0.39	-	-	-	-	-	-	-	-
Malka Balo	24,676	98.98	254	1.02	-	-	-	-	-	-	-	-
Bedeno	43,063	99.32	293	0.68	-	-	-	-	-	-	-	-
Girawa	38,656	99.41	230	0.59	-	-	-	-	-	-	-	-
Gola Oda	7,824	99.53	37	0.47	-	-	-	-	-	-	-	-
Bale Zone	231,116	89.21	24,112	9.31	3,411	1.32	334	0.13	85	0.03	-	-
Kokosa	23,208	99.29	167	0.71	-	-	-	-	-	-	-	-
Dodola	16,191	68.46	5,915	25.01	1,306	5.52	153	0.65	85	0.36	-	-
Adaba	12,891	64.92	5,705	28.73	1,117	5.63	143	0.72	-	-	-	-
Agarfa	10,371	78.89	2,559	19.47	216	1.64	-	-	-	-	-	-
Gasera	11,117	91.97	946	7.83	25	0.21	-	-	-	-	-	-
Gololcha	14,343	96.17	523	3.51	48	0.32	-	-	-	-	-	-
Legehida	8,031	99.22	50	0.62	13	0.16	-	-	-	-	-	-
Ginir	21,142	97.64	494	2.28	17	0.08	-	-	-	-	-	-
Sinanana Dinsho	18,460	73.88	6,054	24.23	437	1.75	37	0.15	-	-	-	-
Goba	6,252	87.04	847	11.79	84	1.17	-	-	-	-	-	-
Mennana Arena Buluk	19,056	99.26	142	0.74	-	-	-	-	-	-	-	-
Nensebo	13,996	98.78	153	1.08	20	0.14	-	-	-	-	-	-
Meda Welabu	12,545	99.90	12	0.10	-	-	-	-	-	-	-	-
Berbere	10,165	99.53	48	0.47	-	-	-	-	-	-	-	-
Guradamole	4,136	99.42	24	0.58	-	-	-	-	-	-	-	-
Goro	15,389	96.58	424	2.66	121	0.76	-	-	-	-	-	-
Raytu	6,168	100.00	-	-	-	-	-	-	-	-	-	-
Seweyna	7,657	99.30	48	0.62	6	0.08	-	-	-	-	-	-
Borena Zone	282,835	99.90	108	0.04	161	0.06	-	-	-	-	-	-
Uraga	42,623	100.00	-	-	-	-	-	-	-	-	-	-
Bore	30,433	100.00	-	-	-	-	-	-	-	-	-	-
Adolana Wadera	22,515	99.55	-	-	101	0.45	-	-	-	-	-	-
Odo Shakiso	14,015	100.00	-	-	-	-	-	-	-	-	-	-
Hager Mariam	86,116	100.00	-	-	-	-	-	-	-	-	-	-
Yabelo	10,009	99.29	43	0.43	29	0.29	-	-	-	-	-	-
Arero	3,325	99.82	6	0.18	-	-	-	-	-	-	-	-
Liben	14,793	99.66	32	0.22	19	0.13	-	-	-	-	-	-
Moyale	10,736	100.00	-	-	-	-	-	-	-	-	-	-
Dire	13,692	99.80	27	0.20	-	-	-	-	-	-	-	-
Teltele	7,348	99.82	-	-	13	0.18	-	-	-	-	-	-
Gelana Abaya	27,229	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.15B:- Number of Crop Holders that Owned Hay-Fork (wood) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Hay-Fork (wood)		One Hay-Fork (wood)		Two Hay-Forks (wood)		Three Hay-Forks (wood)		Four Hay-Forks (wood)		Five and above Hay-Forks (wood)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	2,752,114	69.12	755,311	18.97	339,140	8.52	81,509	2.05	37,194	0.93	16,436	0.41
West Welega Zone	257,505	82.03	24,752	7.88	20,950	6.67	5,790	1.84	3,561	1.13	1,365	0.43
Mana Sibu	18,011	66.65	4,088	15.13	3,833	14.18	809	2.99	248	0.92	33	0.12
Nejo	8,336	46.53	2,750	15.35	3,388	18.91	1,528	8.53	1,500	8.37	414	2.31
Gimbi	14,672	85.82	847	4.95	1,031	6.03	217	1.27	106	0.62	223	1.30
Lalo Asabi	9,351	85.74	863	7.91	484	4.44	156	1.43	29	0.27	23	0.21
Boji	10,804	71.14	1,054	6.94	1,907	12.56	756	4.98	542	3.57	125	0.82
Ayra Guliso	15,878	96.99	241	1.47	160	0.98	40	0.24	52	0.32	-	-
Jarso	6,791	41.95	4,898	30.25	2,951	18.23	881	5.44	434	2.68	235	1.45
Gidami	12,721	93.29	638	4.68	245	1.80	18	0.13	-	-	14	0.10
Jimma Horo	6,098	88.78	377	5.49	283	4.12	57	0.83	43	0.63	11	0.16
Hawa Welel	16,798	97.01	418	2.41	99	0.57	-	-	-	-	-	-
Gawo Dale	21,879	91.85	1,443	6.06	408	1.71	90	0.38	-	-	-	-
Dale Sadi	10,541	94.82	338	3.04	208	1.87	15	0.13	15	0.13	-	-
Yubdo	4,545	80.59	639	11.33	413	7.32	16	0.28	19	0.34	8	0.14
Ganji	7,736	80.49	746	7.76	724	7.53	274	2.85	92	0.96	39	0.41
Haru	9,863	85.71	478	4.15	700	6.08	195	1.69	145	1.26	127	1.10
Nole Kaba	14,984	64.07	4,301	18.39	3,235	13.83	442	1.89	314	1.34	112	0.48
Lalo Kilie	7,794	98.66	21	0.27	52	0.66	11	0.14	22	0.28	-	-
Sayo	19,193	96.72	256	1.29	296	1.49	99	0.50	-	-	-	-
Anfilo	11,371	95.97	95	0.80	278	2.35	104	0.88	-	-	-	-
Begi	30,136	98.05	260	0.85	256	0.83	82	0.27	-	-	-	-
East Welega Zone	129,297	49.56	45,049	17.27	54,672	20.96	17,877	6.85	10,045	3.85	3,953	1.52
Limu	13,387	64.70	1,775	8.58	3,532	17.07	1,040	5.03	639	3.09	317	1.53
Ibantu	1,997	39.26	989	19.44	1,327	26.09	372	7.31	358	7.04	44	0.86
Gida Kiremu	9,996	45.09	3,753	16.93	5,634	25.42	1,904	8.59	773	3.49	108	0.49
Jarte	1,806	24.53	2,039	27.69	2,550	34.63	586	7.96	274	3.72	108	1.47
Amuru	2,183	28.21	2,232	28.84	2,548	32.92	628	8.11	109	1.41	39	0.50
Abe Dongoro	6,087	64.28	1,687	17.81	1,088	11.49	373	3.94	225	2.38	10	0.11
Jimma Horo	7,038	29.30	4,843	20.16	6,847	28.50	2,840	11.82	1,791	7.46	664	2.76
Abay Chomen	1,330	28.21	801	16.99	1,515	32.13	536	11.37	386	8.19	147	3.12
Guduru	7,862	36.53	5,699	26.48	5,214	24.23	1,524	7.08	870	4.04	351	1.63
Jimma Rare	2,164	27.97	1,664	21.50	2,261	29.22	773	9.99	521	6.73	355	4.59
Bila Seyo	7,719	57.31	2,721	20.20	1,903	14.13	742	5.51	312	2.32	73	0.54
Sibu Sire	6,629	43.60	3,139	20.65	3,949	25.98	1,056	6.95	279	1.84	151	0.99
Guto Wayu	16,174	56.78	4,383	15.39	4,732	16.61	1,209	4.24	1,424	5.00	565	1.98
Sasiga	8,463	74.59	1,018	8.97	1,295	11.41	312	2.75	205	1.81	53	0.47
Leka Dulecha	4,081	38.66	2,151	20.38	2,302	21.81	1,146	10.86	571	5.41	304	2.88
Diga	7,159	60.32	1,662	14.00	1,800	15.17	580	4.89	440	3.71	227	1.91
Jimma Arjo	6,354	47.66	1,823	13.67	3,272	24.54	1,031	7.73	500	3.75	353	2.65
Nunu Kumba	7,374	70.65	1,243	11.91	1,201	11.51	408	3.91	187	1.79	25	0.24
Wama Bonaya	11,494	73.30	1,427	9.10	1,702	10.85	816	5.20	180	1.15	61	0.39
Illibabor Zone	153,401	78.55	22,206	11.37	13,371	6.85	3,209	1.64	1,874	0.96	1,226	0.63
Darimu	21,830	97.79	430	1.93	64	0.29	-	-	-	-	-	-
Supena Sodo	8,384	63.81	2,559	19.48	1,658	12.62	263	2.00	210	1.60	65	0.49
Chora	12,461	63.73	3,533	18.07	2,374	12.14	639	3.27	346	1.77	201	1.03
Dega	2,589	25.40	3,687	36.18	2,654	26.04	622	6.10	375	3.68	264	2.59
Bedele	12,793	62.37	3,838	18.71	2,204	10.74	863	4.21	433	2.11	382	1.86
Gechi	8,238	75.63	1,397	12.82	841	7.72	224	2.06	150	1.38	43	0.39
Borecha Wereda	7,693	85.19	542	6.00	634	7.02	69	0.76	81	0.90	11	0.12
Dedesa	11,849	84.44	1,336	9.52	564	4.02	107	0.76	44	0.31	133	0.95
yayu	13,370	69.63	3,540	18.44	1,739	9.06	275	1.43	160	0.83	117	0.61
Metu	21,789	96.19	521	2.30	284	1.25	-	-	57	0.25	-	-

Table 8.15B:- Number of Crop Holders that Owned Hay-Fork (wood) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Hay-Fork (wood)		One Hay-Fork (wood)		Two Hay-Forks (wood)		Three Hay-Forks (wood)		Four Hay-Forks (wood)		Five and above Hay-Forks (wood)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	16,569	95.47	464	2.67	193	1.11	130	0.75	-	-	-	-
Bure	11,615	96.86	289	2.41	88	0.73	-	-	-	-	-	-
Nono	4,220	95.67	70	1.59	75	1.70	17	0.39	17	0.39	12	0.27
Jimma Zone	371,851	83.88	41,406	9.34	20,993	4.74	5,008	1.13	2,163	0.49	1,894	0.43
Limu Seka	22,684	77.57	2,976	10.18	2,912	9.96	436	1.49	126	0.43	111	0.38
Limu Kosa	35,892	78.16	5,965	12.99	2,735	5.96	712	1.55	218	0.47	399	0.87
Sokoru	21,627	84.53	1,291	5.05	1,754	6.86	719	2.81	113	0.44	82	0.32
Tiro Afeta	18,727	77.59	2,643	10.95	1,693	7.01	591	2.45	242	1.00	239	0.99
Kersa	20,989	71.21	4,583	15.55	2,282	7.74	840	2.85	498	1.69	282	0.96
Mana	26,878	96.63	494	1.78	214	0.77	116	0.42	114	0.41	-	-
Goma	46,999	94.90	1,796	3.63	558	1.13	100	0.20	70	0.14	-	-
Gera	15,933	76.59	2,726	13.10	1,081	5.20	214	1.03	311	1.49	538	2.59
Seka chekorsa	50,462	89.44	4,419	7.83	1,313	2.33	78	0.14	150	0.27	-	-
Dedo	45,833	84.82	6,083	11.26	2,053	3.80	-	-	66	0.12	-	-
Omonada	32,846	71.45	7,478	16.27	4,078	8.87	1,115	2.43	213	0.46	242	0.53
Sigmo	16,015	99.27	117	0.73	-	-	-	-	-	-	-	-
Setema	16,967	92.97	835	4.58	320	1.75	86	0.47	41	0.22	-	-
West Shewa Zone	233,791	46.52	129,254	25.72	96,846	19.27	25,997	5.17	11,461	2.28	5,242	1.04
Ginde Beret	15,583	46.34	8,170	24.29	6,655	19.79	1,643	4.89	1,066	3.17	513	1.53
Jeldu	16,372	48.58	9,204	27.31	6,188	18.36	1,527	4.53	285	0.85	125	0.37
Ambo	16,182	40.33	9,965	24.84	9,393	23.41	2,868	7.15	993	2.47	721	1.80
Cheliya	13,353	36.08	5,941	16.05	9,483	25.62	4,307	11.64	2,408	6.51	1,519	4.10
Bako Tibe	12,202	62.93	2,800	14.44	2,607	13.45	1,078	5.56	401	2.07	301	1.55
Dano	8,286	53.31	2,606	16.77	3,672	23.62	560	3.60	242	1.56	178	1.15
Nono	7,861	33.97	4,632	20.02	6,814	29.45	2,251	9.73	1,131	4.89	451	1.95
Tikur	5,507	43.72	2,854	22.66	3,035	24.09	810	6.43	266	2.11	124	0.98
Amaya	8,102	36.92	4,768	21.73	5,661	25.80	2,139	9.75	969	4.42	304	1.39
Wonchi	7,128	40.95	5,990	34.42	3,286	18.88	636	3.65	345	1.98	20	0.11
Dendi	15,299	41.23	10,790	29.08	8,212	22.13	1,791	4.83	779	2.10	235	0.63
Ejerie	6,795	44.65	5,262	34.58	2,361	15.51	520	3.42	195	1.28	86	0.57
Adda Berga	7,180	37.20	6,141	31.82	4,428	22.94	884	4.58	488	2.53	181	0.94
Walmara	10,317	60.43	4,111	24.08	2,351	13.77	207	1.21	87	0.51	-	-
Alem Gana	14,060	68.23	4,136	20.07	1,833	8.90	466	2.26	55	0.27	57	0.28
Kersana Kondaltiti	7,113	32.26	10,185	46.19	4,220	19.14	401	1.82	132	0.60	-	-
Tole	5,331	51.25	3,490	33.55	1,276	12.27	165	1.59	139	1.34	-	-
Elu	5,985	57.80	2,109	20.37	1,676	16.19	333	3.22	170	1.64	81	0.78
Dawo	5,025	38.45	3,730	28.54	2,838	21.72	1,057	8.09	354	2.71	64	0.49
Walisona Goro	19,311	54.19	8,015	22.49	5,744	16.12	1,729	4.85	606	1.70	228	0.64
Becho	7,029	62.24	3,185	28.20	801	7.09	202	1.79	65	0.58	12	0.11
Kokir	6,565	53.11	4,577	37.02	1,083	8.76	104	0.84	33	0.27	-	-
Meta Robi	13,205	55.86	6,593	27.89	3,230	13.66	318	1.35	252	1.07	41	0.17
North Shewa(Oromia) Zone	98,858	41.71	90,130	38.03	39,043	16.47	6,146	2.59	1,929	0.81	905	0.38
Wara Jarso	10,623	42.48	8,816	35.25	4,794	19.17	368	1.47	309	1.24	99	0.40
Dera	15,074	43.03	10,843	30.95	6,511	18.58	1,610	4.60	603	1.72	394	1.12
Hidabu Abote	8,368	52.68	4,325	27.23	2,305	14.51	531	3.34	224	1.41	131	0.82
Kuyu	9,494	47.26	6,471	32.21	3,568	17.76	472	2.35	58	0.29	27	0.13
Degem	7,307	40.74	7,003	39.04	2,915	16.25	547	3.05	148	0.83	16	0.09
Gerar Jarso	4,518	34.32	5,948	45.19	2,320	17.63	307	2.33	36	0.27	34	0.26
Yaya Gulelena Debre	6,286	37.95	6,740	40.69	3,011	18.18	471	2.84	58	0.35	-	-
Wuchalena Jido	7,488	34.01	10,741	48.79	3,316	15.06	296	1.34	119	0.54	57	0.26
Abichuna Gna'a	4,190	35.31	5,884	49.58	1,604	13.52	127	1.07	46	0.39	17	0.14
Kembibit	4,285	39.46	5,332	49.10	1,157	10.65	86	0.79	-	-	-	-
Berehna Aleltu	12,886	52.01	8,491	34.27	2,510	10.13	675	2.72	148	0.60	64	0.26
Mulona Sululta	8,342	35.04	9,535	40.05	5,032	21.13	654	2.75	182	0.76	65	0.27

Table 8.15B:- Number of Crop Holders that Owned Hay-Fork (wood) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Hay-Fork (wood)		One Hay-Fork (wood)		Two Hay-Forks (wood)		Three Hay-Forks (wood)		Four Hay-Forks (wood)		Five and above Hay-Forks (wood)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	264,694	84.04	33,646	10.68	11,953	3.80	2,900	0.92	1,385	0.44	388	0.12
Fentale	6,406	95.94	192	2.88	66	0.99	-	-	13	0.19	-	-
Boset	15,544	62.58	5,623	22.64	2,797	11.26	449	1.81	291	1.17	133	0.54
Adama	24,880	92.47	1,731	6.43	228	0.85	45	0.17	22	0.08	-	-
Lome	13,925	95.61	527	3.62	94	0.65	18	0.12	-	-	-	-
Gimbichu	10,939	70.26	3,029	19.46	1,325	8.51	208	1.34	51	0.33	17	0.11
Ada'a Liben Chukala	25,852	64.35	7,465	18.58	4,322	10.76	1,652	4.11	735	1.83	150	0.37
Dugda Bora	25,582	88.69	2,508	8.70	617	2.14	46	0.16	91	0.32	-	-
Adami Tullu Jido	21,344	89.70	2,083	8.75	343	1.44	24	0.10	-	-	-	-
Arsi Negele	22,334	84.01	3,409	12.82	702	2.64	77	0.29	62	0.23	-	-
Shashemene	40,531	87.90	4,966	10.77	393	0.85	160	0.35	-	-	58	0.13
Seraro	47,462	98.45	695	1.44	52	0.11	-	-	-	-	-	-
Akaki	9,892	77.91	1,418	11.17	1,016	8.00	222	1.75	118	0.93	30	0.24
Arsi Zone	336,712	68.30	107,104	21.72	37,512	7.61	8,516	1.73	2,415	0.49	748	0.15
Merti	9,239	40.61	7,397	32.51	4,430	19.47	1,252	5.50	338	1.49	94	0.41
Aseko	5,304	36.84	5,704	39.62	2,737	19.01	449	3.12	149	1.04	53	0.37
Gololcha	15,581	53.40	10,086	34.57	2,676	9.17	520	1.78	279	0.96	36	0.12
Jeju	11,467	51.61	7,673	34.54	2,435	10.96	519	2.34	105	0.47	18	0.08
Dodotana Sire	19,791	86.47	1,737	7.59	881	3.85	168	0.73	178	0.78	132	0.58
Zeway Dugda	19,220	90.66	1,734	8.18	171	0.81	75	0.35	-	-	-	-
Hitosa	37,435	95.43	1,639	4.18	119	0.30	36	0.09	-	-	-	-
Sude	12,648	49.60	8,470	33.21	3,460	13.57	721	2.83	202	0.79	-	-
Chole	5,080	31.91	5,398	33.91	3,906	24.54	1,029	6.46	363	2.28	142	0.89
Amigna	5,711	51.10	4,103	36.71	1,123	10.05	208	1.86	31	0.28	-	-
Seru	9,940	54.60	6,222	34.18	1,668	9.16	318	1.75	57	0.31	-	-
Robe	14,875	54.97	8,549	31.59	2,776	10.26	620	2.29	150	0.55	92	0.34
Tena	11,047	53.41	5,652	27.33	2,972	14.37	744	3.60	197	0.95	72	0.35
Sherka	13,833	52.39	8,038	30.44	3,281	12.43	944	3.58	265	1.00	44	0.17
Digeluna Tijo	18,454	83.20	2,986	13.46	568	2.56	144	0.65	-	-	29	0.13
Tiyo	15,212	95.21	643	4.02	123	0.77	-	-	-	-	-	-
Munesa	25,733	73.17	6,743	19.17	1,982	5.64	675	1.92	-	-	38	0.11
Bekoji	30,721	85.35	4,208	11.69	927	2.58	93	0.26	46	0.13	-	-
Gedeb	23,455	94.40	1,347	5.42	45	0.18	-	-	-	-	-	-
Kofele	31,969	76.07	8,775	20.88	1,232	2.93	-	-	52	0.12	-	-
West Harerge Zone	173,157	59.43	100,589	34.52	15,071	5.17	1,944	0.67	545	0.19	50	0.02
Mieso	11,346	69.18	4,706	28.70	348	2.12	-	-	-	-	-	-
Doba	10,486	46.06	11,011	48.36	1,213	5.33	58	0.25	-	-	-	-
Tulo	13,648	56.10	9,532	39.18	1,075	4.42	74	0.30	-	-	-	-
Mesela	16,306	63.10	8,768	33.93	710	2.75	56	0.22	-	-	-	-
Chiro	35,745	57.31	23,334	37.41	2,984	4.78	305	0.49	-	-	-	-
Goba Koricha	9,096	45.45	9,156	45.75	1,551	7.75	169	0.84	42	0.21	-	-
Anchar	5,772	42.98	6,037	44.95	1,378	10.26	166	1.24	59	0.44	18	0.13
Habro	21,316	70.15	6,317	20.79	2,206	7.26	331	1.09	184	0.61	32	0.11
Darolebu	17,309	64.16	8,617	31.94	871	3.23	145	0.54	36	0.13	-	-
Boke	16,952	76.55	4,730	21.36	422	1.91	40	0.18	-	-	-	-
Kuni	15,184	56.87	8,380	31.38	2,313	8.66	599	2.24	225	0.84	-	-
East Harerge Zone	288,872	74.61	89,358	23.08	8,176	2.11	752	0.19	21	0.01	14	0.00
Kombolcha	16,985	82.01	3,541	17.10	161	0.78	23	0.11	-	-	-	-
Jarso	11,778	69.07	4,895	28.71	316	1.85	63	0.37	-	-	-	-
Gursum	21,444	83.87	3,871	15.14	219	0.86	33	0.13	-	-	-	-
Babile	8,703	85.02	1,444	14.11	76	0.74	-	-	-	-	14	0.14
Fedis	19,816	80.67	4,578	18.64	171	0.70	-	-	-	-	-	-
Haro Maya	25,993	82.77	5,035	16.03	376	1.20	-	-	-	-	-	-
Kurfa Chele	5,161	72.47	1,623	22.79	276	3.88	41	0.58	21	0.29	-	-
Kersa	21,017	75.75	5,859	21.12	743	2.68	126	0.45	-	-	-	-

Table 8.15B:- Number of Crop Holders that Owned Hay-Fork (wood) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Hay-Fork (wood)		One Hay-Fork (wood)		Two Hay-Forks (wood)		Three Hay-Forks (wood)		Four Hay-Forks (wood)		Five and above Hay-Forks (wood)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	28,579	65.29	13,648	31.18	1,492	3.41	56	0.13	-	-	-	-
Goro Gutu	17,948	69.79	7,436	28.91	334	1.30	-	-	-	-	-	-
Deder	27,032	70.64	9,747	25.47	1,331	3.48	155	0.41	-	-	-	-
Malka Balo	17,770	71.28	6,338	25.42	750	3.01	72	0.29	-	-	-	-
Bedeno	29,442	67.91	12,838	29.61	894	2.06	182	0.42	-	-	-	-
Girawa	30,900	79.46	7,171	18.44	815	2.10	-	-	-	-	-	-
Gola Oda	6,305	80.21	1,335	16.98	221	2.81	-	-	-	-	-	-
Bale Zone	175,407	67.71	65,458	25.27	15,873	6.13	1,664	0.64	562	0.22	94	0.04
Kokosa	22,507	96.29	833	3.56	35	0.15	-	-	-	-	-	-
Dodola	17,156	72.54	4,732	20.01	1,668	7.05	34	0.14	34	0.14	26	0.11
Adaba	12,244	61.66	5,492	27.66	1,884	9.49	179	0.90	57	0.29	-	-
Agarfa	6,944	52.82	4,283	32.58	1,583	12.04	234	1.78	87	0.66	15	0.11
Gasera	7,514	62.16	3,828	31.67	702	5.81	28	0.23	16	0.13	-	-
Gololcha	6,469	43.38	6,919	46.39	1,399	9.38	107	0.72	20	0.13	-	-
Legehida	6,526	80.63	1,440	17.79	88	1.09	40	0.49	-	-	-	-
Ginir	10,056	46.44	9,018	41.65	2,247	10.38	214	0.99	118	0.54	-	-
Sinanana Dinsho	14,473	57.92	8,994	35.99	1,298	5.19	223	0.89	-	-	-	-
Goba	4,012	55.85	2,666	37.12	472	6.57	23	0.32	10	0.14	-	-
Mennana Arena Buluk	15,354	79.98	3,071	16.00	656	3.42	117	0.61	-	-	-	-
Nensebo	12,141	85.69	1,339	9.45	590	4.16	81	0.57	-	-	18	0.13
Meda Welabu	11,683	93.04	637	5.07	196	1.56	24	0.19	17	0.14	-	-
Berbere	7,336	71.83	2,132	20.88	563	5.51	91	0.89	77	0.75	14	0.14
Guradamole	2,635	63.34	1,330	31.97	173	4.16	14	0.34	8	0.19	-	-
Goro	6,283	39.43	7,062	44.32	2,193	13.76	255	1.60	121	0.76	20	0.13
Raytu	6,162	99.90	6	0.10	-	-	-	-	-	-	-	-
Seweyna	5,910	76.64	1,675	21.72	126	1.63	-	-	-	-	-	-
Borena Zone	268,566	94.86	6,361	2.25	4,680	1.65	1,706	0.60	1,233	0.44	558	0.20
Uraga	42,623	100.00	-	-	-	-	-	-	-	-	-	-
Bore	29,827	98.01	328	1.08	224	0.74	-	-	-	-	54	0.18
Adolana Wadera	18,046	79.79	1,637	7.24	1,965	8.69	505	2.23	253	1.12	210	0.93
Odo Shakiso	12,871	91.84	315	2.25	228	1.63	374	2.67	202	1.44	25	0.18
Hager Mariam	85,582	99.38	-	-	167	0.19	177	0.21	95	0.11	95	0.11
Yabelo	9,341	92.66	303	3.01	259	2.57	98	0.97	56	0.56	24	0.24
Arero	2,975	89.31	174	5.22	140	4.20	8	0.24	26	0.78	8	0.24
Liben	10,636	71.65	2,525	17.01	795	5.36	336	2.26	468	3.15	84	0.57
Moyale	10,315	96.08	49	0.46	255	2.38	117	1.09	-	-	-	-
Dire	12,491	91.05	652	4.75	442	3.22	39	0.28	67	0.49	28	0.20
Teltele	6,854	93.11	286	3.89	134	1.82	20	0.27	36	0.49	31	0.42
Gelana Abaya	27,004	99.17	92	0.34	71	0.26	31	0.11	31	0.11	-	-

Table 8.16B:- Number of Crop Holders that Owned Threshing Stick by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Threshing Stick		One Threshing Stick		Two Threshing Sticks		Three Threshing Sticks		Four Threshing Sticks		Five and above Threshing Sticks	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	3,216,254	80.78	393,928	9.89	216,360	5.43	63,864	1.60	42,291	1.06	49,007	1.23
West Welega Zone	223,749	71.28	30,589	9.74	35,110	11.18	10,929	3.48	7,682	2.45	5,864	1.87
Mana Sibu	19,630	72.64	2,471	9.14	2,853	10.56	802	2.97	488	1.81	778	2.88
Nejo	11,897	66.40	1,650	9.21	2,515	14.04	739	4.12	881	4.92	234	1.31
Gimbi	12,501	73.12	1,176	6.88	1,956	11.44	465	2.72	383	2.24	615	3.60
Lalo Asabi	9,034	82.84	883	8.10	626	5.74	145	1.33	130	1.19	88	0.81
Boji	11,258	74.12	789	5.19	2,257	14.86	593	3.90	217	1.43	74	0.49
Ayra Guliso	14,115	86.22	780	4.76	919	5.61	171	1.04	252	1.54	134	0.82
Jarso	11,481	70.91	1,016	6.28	1,631	10.07	913	5.64	442	2.73	707	4.37
Gidami	10,147	74.41	1,401	10.27	1,115	8.18	542	3.97	275	2.02	156	1.14
Jimma Horo	4,122	60.01	1,458	21.23	1,005	14.63	165	2.40	103	1.50	16	0.23
Hawa Welel	10,337	59.70	2,812	16.24	1,781	10.29	664	3.83	742	4.29	979	5.65
Gawo Dale	12,446	52.25	5,686	23.87	4,132	17.35	798	3.35	591	2.48	167	0.70
Dale Sadi	7,471	67.20	1,366	12.29	1,495	13.45	528	4.75	213	1.92	44	0.40
Yubdo	3,842	68.12	701	12.43	774	13.72	169	3.00	104	1.84	50	0.89
Ganji	8,394	87.34	436	4.54	526	5.47	121	1.26	48	0.50	86	0.89
Haru	9,766	84.86	629	5.47	730	6.34	82	0.71	180	1.56	121	1.05
Nole Kaba	16,058	68.66	2,843	12.16	2,621	11.21	837	3.58	516	2.21	513	2.19
Lalo Kilie	5,909	74.80	490	6.20	855	10.82	249	3.15	283	3.58	114	1.44
Sayo	15,162	76.41	1,005	5.06	2,288	11.53	675	3.40	401	2.02	313	1.58
Anfilo	11,433	96.50	95	0.80	213	1.80	21	0.18	54	0.46	32	0.27
Begi	18,737	60.97	2,904	9.45	4,819	15.68	2,248	7,31	1,381	4.49	645	2.10
East Welega Zone	220,011	84.33	14,880	5.70	15,590	5.98	4,399	1.69	3,116	1.19	2,897	1.11
Limu	14,632	70.72	860	4.16	3,216	15.54	548	2.65	1,037	5.01	397	1.92
Ibantu	2,342	46.04	732	14.39	1,373	26.99	301	5.92	265	5.21	74	1.45
Gida Kiremu	18,011	81.25	1,312	5.92	2,065	9.32	591	2.67	108	0.49	81	0.37
Jarte	6,667	90.55	122	1.66	299	4.06	153	2.08	95	1.29	27	0.37
Amuru	7,243	93.59	293	3.79	159	2.05	35	0.45	-	-	9	0.12
Abe Dongoro	8,718	92.06	361	3.81	155	1.64	132	1.39	83	0.88	21	0.22
Jimma Horo	22,609	94.11	447	1.86	772	3.21	98	0.41	68	0.28	29	0.12
Abay Chomen	4,185	88.76	112	2.38	308	6.53	75	1.59	27	0.57	8	0.17
Guduru	18,400	85.50	2,199	10.22	795	3.69	96	0.45	30	0.14	-	-
Jimma Rare	7,391	95.52	117	1.51	122	1.58	77	1.00	31	0.40	-	-
Bila Seyo	12,438	92.34	445	3.30	442	3.28	111	0.82	17	0.13	17	0.13
Sibu Sire	12,378	81.42	856	5.63	1,373	9.03	452	2.97	111	0.73	33	0.22
Guto Wayu	25,501	89.52	1,614	5.67	773	2.71	358	1.26	134	0.47	107	0.38
Sasiga	9,993	88.08	644	5.68	551	4.86	140	1.23	-	-	18	0.16
Leka Dulecha	7,746	73.39	1,213	11.49	878	8.32	367	3.48	263	2.49	88	0.83
Diga	7,200	60.67	1,163	9.80	876	7.38	421	3.55	366	3.08	1,842	15.52
Jimma Arjo	12,640	94.80	194	1.46	159	1.19	244	1.83	39	0.29	57	0.43
Nunu Kumba	10,144	97.18	118	1.13	150	1.44	14	0.13	12	0.11	-	-
Wama Bonaya	11,769	75.06	2,078	13.25	1,125	7.17	186	1.19	430	2.74	92	0.59
Illibabor Zone	145,850	74.68	26,278	13.46	16,086	8.24	3,309	1.69	2,674	1.37	1,090	0.56
Darimu	18,892	84.63	2,429	10.88	857	3.84	52	0.23	94	0.42	-	-
Supena Sodo	8,017	61.02	2,760	21.01	1,956	14.89	270	2.05	120	0.91	16	0.12
Chora	14,850	75.94	3,379	17.28	1,175	6.01	76	0.39	27	0.14	47	0.24
Dega	4,986	48.93	2,123	20.83	1,586	15.56	311	3.05	905	8.88	280	2.75
Bedele	14,073	68.61	1,332	6.49	2,223	10.84	1,524	7.43	811	3.95	550	2.68
Gechi	5,763	52.91	2,618	24.03	2,076	19.06	257	2.36	148	1.36	31	0.28
Borecha Wereda	2,912	32.25	2,843	31.48	2,658	29.44	326	3.61	209	2.31	82	0.91
Dedesa	9,393	66.94	3,272	23.32	1,220	8.69	100	0.71	48	0.34	-	-
yayu	15,981	83.23	1,517	7.90	1,204	6.27	223	1.16	251	1.31	25	0.13
Metu	21,642	95.55	853	3.77	156	0.69	-	-	-	-	-	-

Table 8.16B:- Number of Crop Holders that Owned Threshing Stick by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Threshing Stick		One Threshing Stick		Two Threshing Sticks		Three Threshing Sticks		Four Threshing Sticks		Five and above Threshing Sticks	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	14,292	82.35	2,423	13.96	515	2.97	82	0.47	22	0.13	22	0.13
Bure	11,412	95.16	376	3.14	150	1.25	26	0.22	-	-	28	0.23
Nono	3,638	82.48	352	7.98	308	6.98	63	1.43	40	0.91	10	0.23
Jimma Zone	290,861	65.61	76,820	17.33	49,121	11.08	14,638	3.30	7,257	1.64	4,618	1.04
Limu Seka	25,808	88.25	2,244	7.67	1,062	3.63	131	0.45	-	-	-	-
Limu Kosa	36,762	80.05	7,203	15.69	1,829	3.98	127	0.28	-	-	-	-
Sokoru	10,785	42.15	6,723	26.28	5,578	21.80	1,645	6.43	406	1.59	449	1.75
Tiro Afeta	17,207	71.29	3,975	16.47	2,172	9.00	669	2.77	112	0.46	-	-
Kersa	15,008	50.92	7,387	25.06	3,871	13.13	1,467	4.98	782	2.65	959	3.25
Mana	21,895	78.71	3,990	14.34	1,854	6.67	41	0.15	-	-	36	0.13
Goma	40,907	82.60	4,319	8.72	3,874	7.82	316	0.64	107	0.22	-	-
Gera	12,540	60.28	3,022	14.53	2,995	14.40	1,118	5.37	470	2.26	658	3.16
Seka chekorsa	42,999	76.21	6,500	11.52	4,989	8.84	1,178	2.09	612	1.08	144	0.26
Dedo	22,921	42.42	13,692	25.34	9,678	17.91	4,117	7.62	2,431	4.50	1,196	2.21
Omonada	21,373	46.49	9,238	20.09	8,642	18.80	3,578	7.78	2,115	4.60	1,026	2.23
Sigmo	10,288	63.77	3,529	21.88	1,791	11.10	218	1.35	180	1.12	126	0.78
Setema	12,362	67.74	5,000	27.40	787	4.31	34	0.19	42	0.23	24	0.13
West Shewa Zone	472,463	94.01	18,230	3.63	8,894	1.77	1,473	0.29	533	0.11	998	0.20
Ginde Beret	33,460	99.49	122	0.36	-	-	-	-	48	0.14	-	-
Jeldu	32,834	97.43	267	0.79	513	1.52	87	0.26	-	-	-	-
Ambo	35,030	87.31	3,062	7.63	1,792	4.47	49	0.12	-	-	189	0.47
Cheliya	32,259	87.16	3,682	9.95	933	2.52	91	0.25	-	-	46	0.12
Bako Tibe	18,291	94.34	538	2.77	443	2.28	94	0.48	23	0.12	-	-
Dano	14,618	94.04	728	4.68	153	0.98	15	0.10	14	0.09	16	0.10
Nono	20,711	89.50	1,320	5.70	805	3.48	250	1.08	54	0.23	-	-
Tikur	12,304	97.68	187	1.48	105	0.83	-	-	-	-	-	-
Amaya	21,056	95.96	488	2.22	313	1.43	28	0.13	30	0.14	28	0.13
Wonchi	15,756	90.53	1,113	6.39	279	1.60	140	0.80	70	0.40	47	0.27
Dendi	36,429	98.18	473	1.27	156	0.42	-	-	-	-	48	0.13
Ejerie	14,935	98.13	208	1.37	76	0.50	-	-	-	-	-	-
Adda Berga	18,409	95.37	730	3.78	92	0.48	45	0.23	26	0.13	-	-
Walmara	16,350	95.77	339	1.99	361	2.11	23	0.13	-	-	-	-
Alem Gana	20,521	99.58	57	0.28	29	0.14	-	-	-	-	-	-
Kersana Kondaltiti	19,206	87.10	1,660	7.53	433	1.96	109	0.49	51	0.23	592	2.68
Tole	7,999	76.91	1,317	12.66	848	8.15	129	1.24	108	1.04	-	-
Elu	9,904	95.65	177	1.71	155	1.50	79	0.76	39	0.38	-	-
Dawo	12,546	96.01	143	1.09	265	2.03	50	0.38	32	0.24	32	0.24
Walisona Goro	33,878	95.07	838	2.35	706	1.98	174	0.49	37	0.10	-	-
Becho	10,406	92.14	493	4.37	326	2.89	69	0.61	-	-	-	-
Kokir	12,191	98.62	132	1.07	39	0.32	-	-	-	-	-	-
Meta Robi	23,368	98.85	155	0.66	73	0.31	43	0.18	-	-	-	-
North Shewa(Oromia) Zone	221,760	93.57	5,573	2.35	4,458	1.88	2,286	0.96	2,179	0.92	755	0.32
Wara Jarso	22,875	91.47	269	1.08	658	2.63	542	2.17	631	2.52	34	0.14
Dera	30,856	88.07	1,337	3.82	1,534	4.38	936	2.67	171	0.49	201	0.57
Hidabu Abote	15,695	98.81	113	0.71	51	0.32	25	0.16	-	-	-	-
Kuyu	17,747	88.34	185	0.92	384	1.91	353	1.76	1,053	5.24	368	1.83
Degem	17,494	97.54	349	1.95	93	0.52	-	-	-	-	-	-
Gerar Jarso	11,327	86.05	982	7.46	662	5.03	88	0.67	87	0.66	17	0.13
Yaya Gulelena Debre	15,252	92.07	681	4.11	341	2.06	91	0.55	128	0.77	73	0.44
Wuchalena Jido	21,340	96.93	143	0.65	192	0.87	186	0.84	95	0.43	61	0.28
Abichuna Gna'a	11,581	97.58	175	1.47	98	0.83	-	-	14	0.12	-	-
Kembibit	10,056	92.60	635	5.85	136	1.25	33	0.30	-	-	-	-
Berehna Aleltu	24,115	97.34	409	1.65	219	0.88	31	0.13	-	-	-	-
Mulona Sululta	23,428	98.40	293	1.23	89	0.37	-	-	-	-	-	-

Table 8.16B:- Number of Crop Holders that Owned Threshing Stick by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Threshing Stick		One Threshing Stick		Two Threshing Sticks		Three Threshing Sticks		Four Threshing Sticks		Five and above Threshing Sticks	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	291,471	92.54	12,393	3.93	6,832	2.17	2,133	0.68	1,306	0.41	831	0.26
Fentale	6,546	98.04	84	1.26	28	0.42	19	0.28	-	-	-	-
Boset	24,575	98.95	227	0.91	35	0.14	-	-	-	-	-	-
Adama	26,743	99.39	163	0.61	-	-	-	-	-	-	-	-
Lome	14,528	99.75	36	0.25	-	-	-	-	-	-	-	-
Gimbichu	15,448	99.22	69	0.44	17	0.11	18	0.12	-	-	17	0.11
Ada'a Liben Chukala	37,244	92.70	1,687	4.20	814	2.03	306	0.76	40	0.10	85	0.21
Dugda Bora	28,641	99.30	203	0.70	-	-	-	-	-	-	-	-
Adami Tullu Jido	21,725	91.30	1,841	7.74	202	0.85	26	0.11	-	-	-	-
Arsi Negele	24,850	93.48	1,234	4.64	268	1.01	171	0.64	21	0.08	40	0.15
Shashemene	40,621	88.10	2,992	6.49	1,920	4.16	238	0.52	58	0.13	279	0.61
Seraro	38,129	79.09	3,658	7.59	3,470	7.20	1,354	2.81	1,188	2.46	410	0.85
Akaki	12,417	97.80	200	1.58	79	0.62	-	-	-	-	-	-
Arsi Zone	457,251	92.75	18,834	3.82	12,456	2.53	2,091	0.42	1,402	0.28	973	0.20
Merti	21,835	95.98	572	2.51	297	1.31	46	0.20	-	-	-	-
Aseko	14,291	99.27	64	0.44	41	0.28	-	-	-	-	-	-
Gololcha	27,577	94.51	1,125	3.86	476	1.63	-	-	-	-	-	-
Jeju	20,727	93.29	605	2.72	365	1.64	53	0.24	221	0.99	246	1.11
Dodotana Sire	22,829	99.75	31	0.14	27	0.12	-	-	-	-	-	-
Zeway Dugda	19,940	94.06	1,155	5.45	105	0.50	-	-	-	-	-	-
Hitosa	36,997	94.31	1,078	2.75	1,052	2.68	102	0.26	-	-	-	-
Sude	23,174	90.87	856	3.36	1,324	5.19	107	0.42	40	0.16	-	-
Chole	14,218	89.32	1,024	6.43	617	3.88	38	0.24	-	-	21	0.13
Amigna	8,292	74.19	675	6.04	1,030	9.22	408	3.65	271	2.42	500	4.47
Seru	14,499	79.64	2,209	12.13	940	5.16	297	1.63	152	0.83	108	0.59
Robe	24,115	89.11	1,216	4.49	1,230	4.55	367	1.36	71	0.26	63	0.23
Tena	16,567	80.10	2,367	11.44	1,346	6.51	150	0.73	254	1.23	-	-
Sherka	25,910	98.13	410	1.55	59	0.22	26	0.10	-	-	-	-
Digeluna Tijo	21,841	98.47	258	1.16	82	0.37	-	-	-	-	-	-
Tiyo	15,939	99.76	-	-	20	0.13	19	0.12	-	-	-	-
Munesa	32,955	93.70	1,115	3.17	902	2.56	80	0.23	119	0.34	-	-
Bekoji	35,357	98.23	174	0.48	394	1.09	35	0.10	-	-	35	0.10
Gedeb	20,003	80.50	2,928	11.78	1,595	6.42	201	0.81	120	0.48	-	-
Kofele	40,183	95.61	975	2.32	554	1.32	162	0.39	154	0.37	-	-
West Harerge Zone	174,430	59.87	67,274	23.09	23,848	8.19	9,589	3.29	6,986	2.40	9,229	3.17
Mieso	8,755	53.38	4,915	29.97	1,332	8.12	837	5.10	314	1.91	247	1.51
Doba	13,350	58.63	5,907	25.94	2,673	11.74	330	1.45	289	1.27	219	0.96
Tulo	12,084	49.67	5,660	23.26	2,686	11.04	1,631	6.70	1,017	4.18	1,251	5.14
Mesela	14,434	55.86	7,285	28.19	3,616	13.99	126	0.49	209	0.81	170	0.66
Chiro	43,233	69.32	12,977	20.81	3,999	6.41	952	1.53	913	1.46	294	0.47
Goba Koricha	9,355	46.74	2,717	13.58	1,234	6.17	1,427	7.13	1,550	7.74	3,731	18.64
Anchar	10,934	81.41	1,798	13.39	153	1.14	61	0.45	86	0.64	398	2.96
Habro	15,855	52.18	9,934	32.69	2,699	8.88	510	1.68	525	1.73	863	2.84
Darolebu	12,855	47.65	7,993	29.63	2,622	9.72	1,695	6.28	889	3.30	924	3.43
Boke	17,598	79.47	2,190	9.89	1,267	5.72	494	2.23	298	1.35	297	1.34
Kuni	15,978	59.84	5,899	22.09	1,568	5.87	1,525	5.71	897	3.36	834	3.12
East Harerge Zone	246,423	63.64	94,399	24.38	28,836	7.45	9,125	2.36	5,057	1.31	3,353	0.87
Kombolcha	12,972	62.64	6,121	29.56	906	4.37	359	1.73	266	1.28	86	0.42
Jarso	10,951	64.22	3,195	18.74	1,154	6.77	535	3.14	624	3.66	593	3.48
Gursum	21,622	84.57	2,210	8.64	894	3.50	497	1.94	205	0.80	139	0.54
Babile	7,212	70.45	1,607	15.70	663	6.48	206	2.01	175	1.71	374	3.65
Fedis	12,011	48.89	7,517	30.60	3,064	12.47	1,326	5.40	535	2.18	112	0.46
Haro Maya	16,267	51.80	9,464	30.14	3,168	10.09	1,217	3.88	912	2.90	376	1.20
Kurfa Chele	4,755	66.76	1,404	19.71	548	7.69	327	4.59	66	0.93	22	0.31
Kersa	14,647	52.79	8,529	30.74	3,303	11.90	1,047	3.77	183	0.66	36	0.13

Table 8.16B:- Number of Crop Holders that Owned Threshing Stick by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Threshing Stick		One Threshing Stick		Two Threshing Sticks		Three Threshing Sticks		Four Threshing Sticks		Five and above Threshing Sticks	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	24,326	55.57	14,535	33.20	3,936	8.99	629	1.44	292	0.67	57	0.13
Goro Gutu	18,838	73.25	6,200	24.11	516	2.01	133	0.52	31	0.12	-	-
Deder	28,732	75.09	7,788	20.35	1,137	2.97	419	1.09	43	0.11	146	0.38
Malka Balo	15,723	63.07	5,869	23.54	1,717	6.89	545	2.19	497	1.99	579	2.32
Bedeno	27,515	63.46	9,502	21.92	3,907	9.01	1,038	2.39	726	1.67	668	1.54
Girawa	27,876	71.69	6,735	17.32	3,078	7.92	693	1.78	408	1.05	96	0.25
Gola Oda	2,974	37.83	3,724	47.37	845	10.75	156	1.98	92	1.17	70	0.89
Bale Zone	224,539	86.68	22,256	8.59	9,777	3.77	1,213	0.47	712	0.27	561	0.22
Kokosa	23,188	99.20	109	0.47	-	-	-	-	52	0.22	26	0.11
Dodola	19,435	82.18	2,420	10.23	1,218	5.15	241	1.02	148	0.63	188	0.79
Adaba	18,811	94.74	680	3.42	313	1.58	-	-	26	0.13	26	0.13
Agarfa	11,483	87.35	1,283	9.76	344	2.62	36	0.27	-	-	-	-
Gasera	10,408	86.10	1,183	9.79	458	3.79	39	0.32	-	-	-	-
Gololcha	13,132	88.05	1,334	8.94	365	2.45	55	0.37	28	0.19	-	-
Legehida	7,210	89.08	712	8.80	90	1.11	21	0.26	20	0.25	41	0.51
Ginir	16,516	76.28	3,357	15.50	1,574	7.27	176	0.81	30	0.14	-	-
Sinanana Dinsho	18,442	73.80	4,779	19.13	1,591	6.37	150	0.60	26	0.10	-	-
Goba	6,093	84.83	878	12.22	195	2.71	17	0.24	-	-	-	-
Mennana Arena Buluk	18,263	95.13	207	1.08	365	1.90	119	0.62	177	0.92	67	0.35
Nensebo	13,383	94.45	540	3.81	162	1.14	18	0.13	-	-	66	0.47
Meda Welabu	11,072	88.17	115	0.92	975	7.76	63	0.50	192	1.53	140	1.11
Berbere	9,496	92.98	531	5.20	173	1.69	13	0.13	-	-	-	-
Guradamole	2,961	71.18	570	13.70	434	10.43	181	4.35	14	0.34	-	-
Goro	12,716	79.80	2,149	13.49	1,003	6.29	66	0.41	-	-	-	-
Raytu	5,721	92.75	280	4.54	155	2.51	12	0.19	-	-	-	-
Seweyna	6,207	80.50	1,126	14.60	364	4.72	6	0.08	-	-	8	0.10
Borena Zone	247,444	87.40	6,404	2.26	5,352	1.89	2,679	0.95	3,388	1.20	17,837	6.30
Uraga	42,407	99.49	56	0.13	97	0.23	-	-	63	0.15	-	-
Bore	21,999	72.29	462	1.52	797	2.62	421	1.38	904	2.97	5,850	19.22
Adolana Wadera	14,525	64.22	335	1.48	909	4.02	575	2.54	604	2.67	5,668	25.06
Odo Shakiso	11,282	80.50	401	2.86	585	4.17	762	5.44	249	1.78	736	5.25
Hager Mariam	82,799	96.15	970	1.13	95	0.11	-	-	82	0.10	2,170	2.52
Yabelo	9,040	89.67	476	4.72	260	2.58	86	0.85	99	0.98	120	1.19
Arero	3,239	97.24	56	1.68	29	0.87	-	-	7	0.21	-	-
Liben	10,526	70.91	758	5.11	445	3.00	235	1.58	596	4.02	2,284	15.39
Moyale	9,916	92.36	188	1.75	185	1.72	155	1.44	115	1.07	177	1.65
Dire	12,575	91.66	468	3.41	372	2.71	136	0.99	135	0.98	33	0.24
Teltele	3,710	50.40	1,798	24.43	1,247	16.94	231	3.14	297	4.03	78	1.06
Gelana Abaya	25,429	93.39	435	1.60	331	1.22	76	0.28	237	0.87	721	2.65

Table 8.17B:- Number of Crop Holders that Owned Winnower (metal) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Winnower (metal)		One Winnower (metal)		Two Winnowers (metal)		Three Winnowers (metal)		Four Winnowers (metal)		Five and above Winnowers (metal)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	3,972,022	99.76	8,597	0.22	886	0.02	172	0.00	-	-	27	0.00
West Welega Zone	313,786	99.96	137	0.04	-	-	-	-	-	-	-	-
Mana Sibu	26,980	99.84	42	0.16	-	-	-	-	-	-	-	-
Nejo	17,916	100.00	-	-	-	-	-	-	-	-	-	-
Gimbi	17,096	100.00	-	-	-	-	-	-	-	-	-	-
Lalo Asabi	10,906	100.00	-	-	-	-	-	-	-	-	-	-
Boji	15,188	100.00	-	-	-	-	-	-	-	-	-	-
Ayra Guliso	16,347	99.85	24	0.15	-	-	-	-	-	-	-	-
Jarso	16,190	100.00	-	-	-	-	-	-	-	-	-	-
Gidami	13,636	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Horo	6,869	100.00	-	-	-	-	-	-	-	-	-	-
Hawa Welel	17,315	100.00	-	-	-	-	-	-	-	-	-	-
Gawo Dale	23,820	100.00	-	-	-	-	-	-	-	-	-	-
Dale Sadi	11,088	99.74	29	0.26	-	-	-	-	-	-	-	-
Yubdo	5,640	100.00	-	-	-	-	-	-	-	-	-	-
Ganji	9,611	100.00	-	-	-	-	-	-	-	-	-	-
Haru	11,474	99.70	34	0.30	-	-	-	-	-	-	-	-
Nole Kaba	23,388	100.00	-	-	-	-	-	-	-	-	-	-
Lalo Kilie	7,891	99.89	9	0.11	-	-	-	-	-	-	-	-
Sayo	19,844	100.00	-	-	-	-	-	-	-	-	-	-
Anfilo	11,848	100.00	-	-	-	-	-	-	-	-	-	-
Begi	30,734	100.00	-	-	-	-	-	-	-	-	-	-
East Welega Zone	260,205	99.74	546	0.21	81	0.03	61	0.02	-	-	-	-
Limu	20,690	100.00	-	-	-	-	-	-	-	-	-	-
Ibantu	5,087	100.00	-	-	-	-	-	-	-	-	-	-
Gida Kiremu	22,137	99.86	31	0.14	-	-	-	-	-	-	-	-
Jarte	7,319	99.40	44	0.60	-	-	-	-	-	-	-	-
Amuru	7,739	100.00	-	-	-	-	-	-	-	-	-	-
Abe Dongoro	9,448	99.77	22	0.23	-	-	-	-	-	-	-	-
Jimma Horo	23,761	98.91	201	0.84	-	-	61	0.25	-	-	-	-
Abay Chomen	4,699	99.66	8	0.17	8	0.17	-	-	-	-	-	-
Guduru	21,419	99.53	101	0.47	-	-	-	-	-	-	-	-
Jimma Rare	7,719	99.75	19	0.25	-	-	-	-	-	-	-	-
Bila Seyo	13,399	99.47	35	0.26	36	0.27	-	-	-	-	-	-
Sibu Sire	15,187	99.89	16	0.11	-	-	-	-	-	-	-	-
Guto Wayu	28,452	99.88	35	0.12	-	-	-	-	-	-	-	-
Sasiga	11,331	99.87	-	-	15	0.13	-	-	-	-	-	-
Leka Dulecha	10,555	100.00	-	-	-	-	-	-	-	-	-	-
Diga	11,852	99.87	16	0.13	-	-	-	-	-	-	-	-
Jimma Arjo	13,293	99.70	18	0.14	22	0.17	-	-	-	-	-	-
Nunu Kumba	10,438	100.00	-	-	-	-	-	-	-	-	-	-
Wama Bonaya	15,680	100.00	-	-	-	-	-	-	-	-	-	-
Illibabor Zone	194,848	99.78	411	0.21	-	-	28	0.01	-	-	-	-
Darimu	22,297	99.88	27	0.12	-	-	-	-	-	-	-	-
Supena Sodo	13,099	99.70	40	0.30	-	-	-	-	-	-	-	-
Chora	19,417	99.30	137	0.70	-	-	-	-	-	-	-	-
Dega	10,191	100.00	-	-	-	-	-	-	-	-	-	-
Bedele	20,485	99.86	-	-	-	-	28	0.14	-	-	-	-
Gechi	10,743	98.62	150	1.38	-	-	-	-	-	-	-	-
Borecha Wereda	9,030	100.00	-	-	-	-	-	-	-	-	-	-
Dedesa	14,033	100.00	-	-	-	-	-	-	-	-	-	-
yayu	19,201	100.00	-	-	-	-	-	-	-	-	-	-
Metu	22,593	99.74	58	0.26	-	-	-	-	-	-	-	-

Table 8.17B:- Number of Crop Holders that Owned Winnower (metal) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Winnower (metal)		One Winnower (metal)		Two Winnowers (metal)		Three Winnowers (metal)		Four Winnowers (metal)		Five and above Winnowers (metal)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	17,356	100.00	-	-	-	-	-	-	-	-	-	-
Bure	11,992	100.00	-	-	-	-	-	-	-	-	-	-
Nono	4,411	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Zone	442,337	99.78	925	0.21	53	0.01	-	-	-	-	-	-
Limu Seka	29,245	100.00	-	-	-	-	-	-	-	-	-	-
Limu Kosa	45,921	100.00	-	-	-	-	-	-	-	-	-	-
Sokoru	25,586	100.00	-	-	-	-	-	-	-	-	-	-
Tiro Afeta	24,135	100.00	-	-	-	-	-	-	-	-	-	-
Kersa	29,436	99.87	38	0.13	-	-	-	-	-	-	-	-
Mana	27,816	100.00	-	-	-	-	-	-	-	-	-	-
Goma	48,716	98.37	754	1.52	53	0.11	-	-	-	-	-	-
Gera	20,670	99.36	133	0.64	-	-	-	-	-	-	-	-
Seka chekorsa	56,422	100.00	-	-	-	-	-	-	-	-	-	-
Dedo	54,035	100.00	-	-	-	-	-	-	-	-	-	-
Omonada	45,972	100.00	-	-	-	-	-	-	-	-	-	-
Sigmo	16,132	100.00	-	-	-	-	-	-	-	-	-	-
Setema	18,249	100.00	-	-	-	-	-	-	-	-	-	-
West Shewa Zone	501,295	99.74	1,153	0.23	143	0.03	-	-	-	-	-	-
Ginde Beret	33,584	99.86	-	-	46	0.14	-	-	-	-	-	-
Jeldu	33,438	99.22	263	0.78	-	-	-	-	-	-	-	-
Ambo	40,019	99.74	103	0.26	-	-	-	-	-	-	-	-
Cheliya	37,011	100.00	-	-	-	-	-	-	-	-	-	-
Bako Tibe	19,389	100.00	-	-	-	-	-	-	-	-	-	-
Dano	15,544	100.00	-	-	-	-	-	-	-	-	-	-
Nono	23,030	99.52	110	0.48	-	-	-	-	-	-	-	-
Tikur	12,567	99.77	29	0.23	-	-	-	-	-	-	-	-
Amaya	21,922	99.90	-	-	21	0.10	-	-	-	-	-	-
Wonchi	17,405	100.00	-	-	-	-	-	-	-	-	-	-
Dendi	37,106	100.00	-	-	-	-	-	-	-	-	-	-
Ejerie	15,166	99.65	53	0.35	-	-	-	-	-	-	-	-
Adda Berga	19,278	99.88	-	-	24	0.12	-	-	-	-	-	-
Walmara	16,971	99.40	80	0.47	22	0.13	-	-	-	-	-	-
Alem Gana	20,428	99.13	179	0.87	-	-	-	-	-	-	-	-
Kersana Kondaltiti	21,879	99.22	141	0.64	31	0.14	-	-	-	-	-	-
Tole	10,375	99.75	26	0.25	-	-	-	-	-	-	-	-
Elu	10,344	99.90	10	0.10	-	-	-	-	-	-	-	-
Dawo	12,977	99.30	91	0.70	-	-	-	-	-	-	-	-
Walisona Goro	35,633	100.00	-	-	-	-	-	-	-	-	-	-
Becho	11,253	99.64	41	0.36	-	-	-	-	-	-	-	-
Kokir	12,362	100.00	-	-	-	-	-	-	-	-	-	-
Meta Robi	23,611	99.88	28	0.12	-	-	-	-	-	-	-	-
North Shewa(Oromia) Zone	236,238	99.67	689	0.29	84	0.04	-	-	-	-	-	-
Wara Jarso	24,976	99.87	33	0.13	-	-	-	-	-	-	-	-
Dera	34,874	99.54	161	0.46	-	-	-	-	-	-	-	-
Hidabu Abote	15,851	99.79	18	0.11	15	0.09	-	-	-	-	-	-
Kuyu	20,090	100.00	-	-	-	-	-	-	-	-	-	-
Degem	17,855	99.55	81	0.45	-	-	-	-	-	-	-	-
Gerar Jarso	13,163	100.00	-	-	-	-	-	-	-	-	-	-
Yaya Gulelena Debre	16,463	99.38	103	0.62	-	-	-	-	-	-	-	-
Wuchalena Jido	21,987	99.86	30	0.14	-	-	-	-	-	-	-	-
Abichuna Gna'a	11,800	99.43	68	0.57	-	-	-	-	-	-	-	-
Kembibit	10,832	99.74	28	0.26	-	-	-	-	-	-	-	-
Berehna Aleltu	24,678	99.61	65	0.26	31	0.13	-	-	-	-	-	-
Mulona Sululta	23,672	99.42	101	0.42	37	0.16	-	-	-	-	-	-

Table 8.17B:- Number of Crop Holders that Owned Winnower (metal) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Winnower (metal)		One Winnower (metal)		Two Winnowers (metal)		Three Winnowers (metal)		Four Winnowers (metal)		Five and above Winnowers (metal)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	314,052	99.71	896	0.28	18	0.01	-	-	-	-	-	-
Fentale	6,677	100.00	-	-	-	-	-	-	-	-	-	-
Boset	24,775	99.75	62	0.25	-	-	-	-	-	-	-	-
Adama	26,634	98.99	272	1.01	-	-	-	-	-	-	-	-
Lome	14,549	99.90	15	0.10	-	-	-	-	-	-	-	-
Gimbichu	15,515	99.65	36	0.23	18	0.12	-	-	-	-	-	-
Ada'a Liben Chukala	39,951	99.44	225	0.56	-	-	-	-	-	-	-	-
Dugda Bora	28,708	99.53	136	0.47	-	-	-	-	-	-	-	-
Adami Tullu Jido	23,794	100.00	-	-	-	-	-	-	-	-	-	-
Arsi Negele	26,512	99.73	72	0.27	-	-	-	-	-	-	-	-
Shashemene	46,108	100.00	-	-	-	-	-	-	-	-	-	-
Seraro	48,209	100.00	-	-	-	-	-	-	-	-	-	-
Akaki	12,619	99.39	77	0.61	-	-	-	-	-	-	-	-
Arsi Zone	491,671	99.73	1,245	0.25	72	0.01	19	0.00	-	-	-	-
Merti	22,750	100.00	-	-	-	-	-	-	-	-	-	-
Aseko	14,358	99.74	38	0.26	-	-	-	-	-	-	-	-
Gololcha	29,136	99.86	42	0.14	-	-	-	-	-	-	-	-
Jeju	22,188	99.87	29	0.13	-	-	-	-	-	-	-	-
Dodotana Sire	22,839	99.79	48	0.21	-	-	-	-	-	-	-	-
Zeway Dugda	21,114	99.59	86	0.41	-	-	-	-	-	-	-	-
Hitosa	39,134	99.76	95	0.24	-	-	-	-	-	-	-	-
Sude	25,429	99.72	72	0.28	-	-	-	-	-	-	-	-
Chole	15,841	99.52	77	0.48	-	-	-	-	-	-	-	-
Amigna	11,161	99.87	15	0.13	-	-	-	-	-	-	-	-
Seru	18,179	99.86	26	0.14	-	-	-	-	-	-	-	-
Robe	26,936	99.53	126	0.47	-	-	-	-	-	-	-	-
Tena	20,659	99.88	25	0.12	-	-	-	-	-	-	-	-
Sherka	26,405	100.00	-	-	-	-	-	-	-	-	-	-
Digeluna Tijo	22,131	99.77	50	0.23	-	-	-	-	-	-	-	-
Tiyo	15,828	99.06	111	0.69	20	0.13	19	0.12	-	-	-	-
Munesa	35,069	99.71	51	0.15	51	0.15	-	-	-	-	-	-
Bekoji	35,834	99.55	161	0.45	-	-	-	-	-	-	-	-
Gedeb	24,767	99.68	80	0.32	-	-	-	-	-	-	-	-
Kofele	41,913	99.73	115	0.27	-	-	-	-	-	-	-	-
West Harerge Zone	290,428	99.68	728	0.25	187	0.06	13	0.00	-	-	-	-
Mieso	16,370	99.82	30	0.18	-	-	-	-	-	-	-	-
Doba	22,768	100.00	-	-	-	-	-	-	-	-	-	-
Tulo	24,304	99.90	25	0.10	-	-	-	-	-	-	-	-
Mesela	25,667	99.33	173	0.67	-	-	-	-	-	-	-	-
Chiro	62,138	99.63	67	0.11	163	0.26	-	-	-	-	-	-
Goba Koricha	19,974	99.80	40	0.20	-	-	-	-	-	-	-	-
Anchar	13,392	99.72	25	0.19	-	-	13	0.10	-	-	-	-
Habro	30,108	99.09	278	0.91	-	-	-	-	-	-	-	-
Darolebu	26,934	99.84	44	0.16	-	-	-	-	-	-	-	-
Boke	22,099	99.80	21	0.09	24	0.11	-	-	-	-	-	-
Kuni	26,676	99.91	25	0.09	-	-	-	-	-	-	-	-
East Harerge Zone	385,983	99.69	1,109	0.29	76	0.02	25	0.01	-	-	-	-
Kombolcha	20,658	99.75	52	0.25	-	-	-	-	-	-	-	-
Jarso	17,029	99.87	23	0.13	-	-	-	-	-	-	-	-
Gursum	25,441	99.51	98	0.38	28	0.11	-	-	-	-	-	-
Babile	10,193	99.57	44	0.43	-	-	-	-	-	-	-	-
Fedis	24,398	99.32	113	0.46	29	0.12	25	0.10	-	-	-	-
Haro Maya	31,251	99.51	153	0.49	-	-	-	-	-	-	-	-
Kurfa Chele	7,101	99.71	21	0.29	-	-	-	-	-	-	-	-
Kersa	27,633	99.60	112	0.40	-	-	-	-	-	-	-	-

Table 8.17B:- Number of Crop Holders that Owned Winnower (metal) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Winnower (metal)		One Winnower (metal)		Two Winnowers (metal)		Three Winnowers (metal)		Four Winnowers (metal)		Five and above Winnowers (metal)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	43,775	100.00	-	-	-	-	-	-	-	-	-	-
Goro Gutu	25,680	99.85	38	0.15	-	-	-	-	-	-	-	-
Deder	38,099	99.57	166	0.43	-	-	-	-	-	-	-	-
Malka Balo	24,791	99.44	120	0.48	19	0.08	-	-	-	-	-	-
Bedeno	43,249	99.75	107	0.25	-	-	-	-	-	-	-	-
Girawa	38,836	99.87	50	0.13	-	-	-	-	-	-	-	-
Gola Oda	7,850	99.86	11	0.14	-	-	-	-	-	-	-	-
Bale Zone	258,456	99.77	564	0.22	38	0.01	-	-	-	-	-	-
Kokosa	23,344	99.87	31	0.13	-	-	-	-	-	-	-	-
Dodola	23,616	99.86	34	0.14	-	-	-	-	-	-	-	-
Adaba	19,746	99.45	110	0.55	-	-	-	-	-	-	-	-
Agarfa	13,082	99.51	64	0.49	-	-	-	-	-	-	-	-
Gasera	12,088	100.00	-	-	-	-	-	-	-	-	-	-
Gololcha	14,914	100.00	-	-	-	-	-	-	-	-	-	-
Legehida	8,094	100.00	-	-	-	-	-	-	-	-	-	-
Ginir	21,623	99.86	30	0.14	-	-	-	-	-	-	-	-
Sinanana Dinsho	24,954	99.86	34	0.14	-	-	-	-	-	-	-	-
Goba	7,166	99.76	9	0.13	8	0.11	-	-	-	-	-	-
Mennana Arena Buluk	19,168	99.84	-	-	30	0.16	-	-	-	-	-	-
Nensebo	14,073	99.32	96	0.68	-	-	-	-	-	-	-	-
Meda Welabu	12,402	98.77	155	1.23	-	-	-	-	-	-	-	-
Berbere	10,213	100.00	-	-	-	-	-	-	-	-	-	-
Guradamole	4,160	100.00	-	-	-	-	-	-	-	-	-	-
Goro	15,934	100.00	-	-	-	-	-	-	-	-	-	-
Raytu	6,168	100.00	-	-	-	-	-	-	-	-	-	-
Seweyna	7,711	100.00	-	-	-	-	-	-	-	-	-	-
Borena Zone	282,723	99.87	193	0.07	134	0.05	27	0.01	-	-	27	0.01
Uraga	42,623	100.00	-	-	-	-	-	-	-	-	-	-
Bore	30,433	100.00	-	-	-	-	-	-	-	-	-	-
Adolana Wadera	22,616	100.00	-	-	-	-	-	-	-	-	-	-
Odo Shakiso	14,015	100.00	-	-	-	-	-	-	-	-	-	-
Hager Mariam	86,116	100.00	-	-	-	-	-	-	-	-	-	-
Yabelo	10,067	99.86	14	0.14	-	-	-	-	-	-	-	-
Arero	3,331	100.00	-	-	-	-	-	-	-	-	-	-
Liben	14,817	99.82	27	0.18	-	-	-	-	-	-	-	-
Moyale	10,736	100.00	-	-	-	-	-	-	-	-	-	-
Dire	13,379	97.52	152	1.11	134	0.98	27	0.20	-	-	27	0.20
Teltele	7,361	100.00	-	-	-	-	-	-	-	-	-	-
Gelana Abaya	27,229	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.18B:- Number of Crop Holders that Owned Winnower (wood) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Winnower (wood)		One Winnower (wood)		Two Winnowers (wood)		Three Winnowers (wood)		Four Winnowers (wood)		Five and above Winnowers (wood)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	3,011,989	75.65	866,558	21.76	93,369	2.34	6,967	0.17	2,081	0.05	740	0.02
West Welega Zone	303,237	96.60	8,558	2.73	1,873	0.60	170	0.05	40	0.01	45	0.01
Mana Sibu	25,401	94.00	1,356	5.02	197	0.73	68	0.25	-	-	-	-
Nejo	16,574	92.51	1,022	5.70	295	1.65	-	-	-	-	25	0.14
Gimbi	16,811	98.33	246	1.44	39	0.23	-	-	-	-	-	-
Lalo Asabi	10,624	97.41	248	2.27	34	0.31	-	-	-	-	-	-
Boji	15,155	99.78	-	-	33	0.22	-	-	-	-	-	-
Ayra Guliso	16,234	99.16	95	0.58	21	0.13	21	0.13	-	-	-	-
Jarso	14,527	89.73	1,558	9.62	45	0.28	-	-	40	0.25	20	0.12
Gidami	13,636	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Horo	6,665	97.03	193	2.81	11	0.16	-	-	-	-	-	-
Hawa Welel	16,516	95.39	672	3.88	127	0.73	-	-	-	-	-	-
Gawo Dale	22,945	96.33	762	3.20	113	0.47	-	-	-	-	-	-
Dale Sadi	10,325	92.88	759	6.83	33	0.30	-	-	-	-	-	-
Yubdo	5,640	100.00	-	-	-	-	-	-	-	-	-	-
Ganji	9,221	95.94	208	2.16	182	1.89	-	-	-	-	-	-
Haru	10,906	94.77	328	2.85	229	1.99	45	0.39	-	-	-	-
Nole Kaba	22,256	95.16	717	3.07	415	1.77	-	-	-	-	-	-
Lalo Kilie	7,900	100.00	-	-	-	-	-	-	-	-	-	-
Sayo	19,473	98.13	273	1.38	98	0.49	-	-	-	-	-	-
Anfilo	11,835	99.89	13	0.11	-	-	-	-	-	-	-	-
Begi	30,590	99.53	108	0.35	-	-	36	0.12	-	-	-	-
East Welega Zone	217,188	83.25	37,665	14.44	4,909	1.88	761	0.29	238	0.09	132	0.05
Limu	19,738	95.40	904	4.37	28	0.14	-	-	-	-	20	0.10
Ibantu	5,050	99.27	31	0.61	6	0.12	-	-	-	-	-	-
Gida Kiremu	17,088	77.08	4,566	20.60	514	2.32	-	-	-	-	-	-
Jarte	5,160	70.08	1,987	26.99	206	2.80	10	0.14	-	-	-	-
Amuru	6,693	86.48	954	12.33	92	1.19	-	-	-	-	-	-
Abe Dongoro	7,100	74.97	2,134	22.53	215	2.27	21	0.22	-	-	-	-
Jimma Horo	13,898	57.85	9,088	37.83	881	3.67	95	0.40	-	-	61	0.25
Abay Chomen	3,926	83.27	700	14.85	64	1.36	25	0.53	-	-	-	-
Guduru	18,460	85.78	2,650	12.31	410	1.91	-	-	-	-	-	-
Jimma Rare	5,139	66.41	2,367	30.59	218	2.82	14	0.18	-	-	-	-
Bila Seyo	11,091	82.34	2,014	14.95	270	2.00	95	0.71	-	-	-	-
Sibu Sire	12,756	83.90	1,935	12.73	354	2.33	15	0.10	125	0.82	18	0.12
Guto Wayu	25,024	87.84	2,980	10.46	449	1.58	34	0.12	-	-	-	-
Sasiga	11,130	98.10	167	1.47	33	0.29	-	-	-	-	16	0.14
Leka Dulecha	9,564	90.61	730	6.92	229	2.17	32	0.30	-	-	-	-
Diga	11,045	93.07	702	5.92	94	0.79	27	0.23	-	-	-	-
Jimma Arjo	9,634	72.26	2,475	18.56	739	5.54	354	2.66	113	0.85	18	0.14
Nunu Kumba	9,929	95.12	509	4.88	-	-	-	-	-	-	-	-
Wama Bonaya	14,764	94.16	772	4.92	106	0.68	38	0.24	-	-	-	-
Illibabor Zone	189,181	96.87	4,777	2.45	915	0.47	208	0.11	154	0.08	52	0.03
Darimu	22,298	99.88	26	0.12	-	-	-	-	-	-	-	-
Supena Sodo	12,649	96.27	215	1.64	258	1.96	-	-	17	0.13	-	-
Chora	18,768	95.98	758	3.88	28	0.14	-	-	-	-	-	-
Dega	10,025	98.37	166	1.63	-	-	-	-	-	-	-	-
Bedele	19,981	97.41	308	1.50	113	0.55	28	0.14	55	0.27	28	0.14
Gechi	10,372	95.22	442	4.06	61	0.56	18	0.17	-	-	-	-
Borecha Wereda	8,447	93.54	231	2.56	141	1.56	129	1.43	82	0.91	-	-
Dedesa	13,221	94.21	654	4.66	134	0.95	-	-	-	-	24	0.17
yayu	17,771	92.55	1,281	6.67	124	0.65	25	0.13	-	-	-	-
Metu	22,366	98.74	256	1.13	29	0.13	-	-	-	-	-	-

Table 8.18B:- Number of Crop Holders that Owned Winnower (wood) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Winnower (wood)		One Winnower (wood)		Two Winnowers (wood)		Three Winnowers (wood)		Four Winnowers (wood)		Five and above Winnowers (wood)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	17,144	98.78	212	1.22	-	-	-	-	-	-	-	-
Bure	11,729	97.81	227	1.89	28	0.23	8	0.07	-	-	-	-
Nono	4,411	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Zone	412,147	92.97	26,495	5.98	3,396	0.77	622	0.14	448	0.10	207	0.05
Limu Seka	29,067	99.39	112	0.38	66	0.23	-	-	-	-	-	-
Limu Kosa	41,937	91.32	3,143	6.84	677	1.47	164	0.36	-	-	-	-
Sokoru	25,527	99.77	59	0.23	-	-	-	-	-	-	-	-
Tiro Afeta	21,768	90.19	1,911	7.92	366	1.52	63	0.26	27	0.11	-	-
Kersa	24,093	81.74	3,688	12.51	889	3.02	369	1.25	250	0.85	185	0.63
Mana	27,616	99.28	79	0.28	121	0.44	-	-	-	-	-	-
Goma	48,777	98.49	676	1.37	70	0.14	-	-	-	-	-	-
Gera	18,172	87.35	2,418	11.62	80	0.38	-	-	111	0.53	22	0.11
Seka chekorsa	52,227	92.56	3,891	6.90	304	0.54	-	-	-	-	-	-
Dedo	47,215	87.38	6,177	11.43	583	1.08	-	-	60	0.11	-	-
Omonada	41,966	91.29	3,774	8.21	206	0.45	26	0.06	-	-	-	-
Sigmo	16,132	100.00	-	-	-	-	-	-	-	-	-	-
Setema	17,647	96.70	568	3.11	34	0.19	-	-	-	-	-	-
West Shewa Zone	313,616	62.40	165,101	32.85	22,408	4.46	1,193	0.24	207	0.04	66	0.01
Ginde Beret	20,118	59.82	8,555	25.44	4,532	13.48	343	1.02	40	0.12	42	0.12
Jeldu	20,748	61.56	11,320	33.59	1,583	4.70	50	0.15	-	-	-	-
Ambo	23,447	58.44	15,634	38.97	942	2.35	99	0.25	-	-	-	-
Cheliya	24,719	66.79	11,462	30.97	830	2.24	-	-	-	-	-	-
Bako Tibe	16,415	84.66	2,667	13.76	224	1.16	62	0.32	21	0.11	-	-
Dano	11,792	75.86	3,275	21.07	458	2.95	19	0.12	-	-	-	-
Nono	14,116	61.00	7,963	34.41	995	4.30	66	0.29	-	-	-	-
Tikur	8,278	65.72	4,235	33.62	83	0.66	-	-	-	-	-	-
Amaya	15,341	69.91	6,198	28.25	404	1.84	-	-	-	-	-	-
Wonchi	11,332	65.11	5,925	34.04	148	0.85	-	-	-	-	-	-
Dendi	20,120	54.22	15,766	42.49	1,220	3.29	-	-	-	-	-	-
Ejerie	7,594	49.90	6,356	41.76	1,215	7.98	54	0.35	-	-	-	-
Adda Berga	11,378	58.95	6,274	32.50	1,472	7.63	108	0.56	46	0.24	24	0.12
Walmara	9,009	52.77	6,828	39.99	1,174	6.88	62	0.36	-	-	-	-
Alem Gana	11,914	57.82	7,211	34.99	1,375	6.67	52	0.25	55	0.27	-	-
Kersana Kondaltiti	9,522	43.18	11,028	50.01	1,381	6.26	89	0.40	31	0.14	-	-
Tole	5,484	52.73	4,366	41.98	536	5.15	15	0.14	-	-	-	-
Elu	6,177	59.66	3,449	33.31	717	6.92	11	0.11	-	-	-	-
Dawo	6,877	52.62	5,405	41.36	725	5.55	46	0.35	15	0.11	-	-
Walisona Goro	28,421	79.76	6,629	18.60	539	1.51	44	0.12	-	-	-	-
Becho	6,309	55.86	4,491	39.76	481	4.26	13	0.12	-	-	-	-
Kokir	8,051	65.13	4,180	33.81	131	1.06	-	-	-	-	-	-
Meta Robi	16,456	69.61	5,884	24.89	1,241	5.25	58	0.25	-	-	-	-
North Shewa(Oromia) Zone	140,378	59.23	82,870	34.96	12,729	5.37	853	0.36	162	0.07	19	0.01
Wara Jarso	16,389	65.53	4,802	19.20	3,555	14.21	195	0.78	68	0.27	-	-
Dera	19,039	54.34	12,830	36.62	2,816	8.04	311	0.89	39	0.11	-	-
Hidabu Abote	11,718	73.77	3,277	20.63	752	4.73	81	0.51	37	0.23	19	0.12
Kuyu	13,630	67.84	5,384	26.80	1,076	5.36	-	-	-	-	-	-
Degem	11,646	64.93	5,533	30.85	688	3.84	69	0.38	-	-	-	-
Gerar Jarso	6,810	51.74	5,867	44.57	469	3.56	-	-	17	0.13	-	-
Yaya Gulelena Debre	9,481	57.23	6,462	39.01	600	3.62	23	0.14	-	-	-	-
Wuchalena Jido	11,997	54.49	9,590	43.56	430	1.95	-	-	-	-	-	-
Abichuna Gna'a	6,990	58.90	4,542	38.27	321	2.70	15	0.13	-	-	-	-
Kembibit	6,995	64.41	3,762	34.64	75	0.69	28	0.26	-	-	-	-
Berehna Aleltu	13,236	53.43	10,384	41.91	1,059	4.27	95	0.38	-	-	-	-
Mulona Sululta	12,447	52.28	10,438	43.84	889	3.73	36	0.15	-	-	-	-

Table 8.18B:- Number of Crop Holders that Owned Winnower (wood) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Winnower (wood)		One Winnower (wood)		Two Winnowers (wood)		Three Winnowers (wood)		Four Winnowers (wood)		Five and above Winnowers (wood)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	227,680	72.29	75,570	23.99	10,618	3.37	775	0.25	323	0.10	-	-
Fentale	6,546	98.04	118	1.77	13	0.19	-	-	-	-	-	-
Boset	17,303	69.67	6,946	27.97	557	2.24	-	-	31	0.12	-	-
Adama	17,087	63.51	9,299	34.56	351	1.30	102	0.38	67	0.25	-	-
Lome	7,856	53.94	5,969	40.98	723	4.96	16	0.11	-	-	-	-
Gimbichu	7,206	46.28	7,588	48.74	756	4.86	19	0.12	-	-	-	-
Ada'a Liben Chukala	20,794	51.76	15,397	38.32	3,550	8.84	253	0.63	182	0.45	-	-
Dugda Bora	20,064	69.56	7,077	24.54	1,550	5.37	153	0.53	-	-	-	-
Adami Tullu Jido	22,302	93.73	1,492	6.27	-	-	-	-	-	-	-	-
Arsi Negele	18,396	69.20	7,234	27.21	848	3.19	80	0.30	26	0.10	-	-
Shashemene	37,239	80.76	7,947	17.24	864	1.87	58	0.13	-	-	-	-
Seraro	47,470	98.47	635	1.32	104	0.22	-	-	-	-	-	-
Akaki	5,417	42.67	5,867	46.21	1,303	10.26	93	0.73	16	0.13	-	-
Arsi Zone	261,257	52.99	212,687	43.14	17,824	3.62	1,001	0.20	219	0.04	19	0.00
Merti	11,063	48.63	10,959	48.17	728	3.20	-	-	-	-	-	-
Aseko	5,786	40.19	7,780	54.04	776	5.39	35	0.24	-	-	19	0.13
Gololcha	17,938	61.48	10,800	37.01	440	1.51	-	-	-	-	-	-
Jeju	13,733	61.81	8,170	36.77	290	1.31	24	0.11	-	-	-	-
Dodotana Sire	13,409	58.59	8,824	38.55	654	2.86	-	-	-	-	-	-
Zeway Dugda	15,518	73.20	5,334	25.16	348	1.64	-	-	-	-	-	-
Hitosa	18,000	45.88	19,308	49.22	1,714	4.37	207	0.53	-	-	-	-
Sude	15,064	59.07	9,823	38.52	574	2.25	40	0.16	-	-	-	-
Chole	7,433	46.70	7,616	47.85	869	5.46	-	-	-	-	-	-
Amigna	6,457	57.78	4,534	40.57	185	1.66	-	-	-	-	-	-
Seru	11,345	62.32	6,473	35.56	360	1.98	27	0.15	-	-	-	-
Robe	15,506	57.30	10,911	40.32	645	2.38	-	-	-	-	-	-
Tena	8,902	43.04	10,774	52.09	1,008	4.87	-	-	-	-	-	-
Sherka	12,467	47.21	12,692	48.07	1,181	4.47	32	0.12	33	0.12	-	-
Digeluna Tijo	10,025	45.20	11,231	50.63	783	3.53	84	0.38	58	0.26	-	-
Tiyo	7,436	46.54	7,412	46.39	1,017	6.37	95	0.59	18	0.11	-	-
Munesa	16,365	46.53	16,283	46.30	2,379	6.76	144	0.41	-	-	-	-
Bekoji	19,656	54.61	14,612	40.59	1,495	4.15	185	0.51	47	0.13	-	-
Gedeb	11,653	46.90	11,928	48.01	1,138	4.58	128	0.52	-	-	-	-
Kofele	23,502	55.92	17,223	40.98	1,240	2.95	-	-	63	0.15	-	-
West Harerge Zone	184,076	63.18	99,011	33.98	7,747	2.66	437	0.15	59	0.02	26	0.01
Mieso	11,427	69.68	4,602	28.06	324	1.98	47	0.29	-	-	-	-
Doba	11,618	51.03	10,307	45.27	843	3.70	-	-	-	-	-	-
Tulo	16,882	69.39	7,198	29.59	249	1.02	-	-	-	-	-	-
Mesela	18,912	73.19	6,729	26.04	199	0.77	-	-	-	-	-	-
Chiro	37,914	60.79	22,580	36.20	1,874	3.00	-	-	-	-	-	-
Goba Koricha	10,801	53.97	8,276	41.35	885	4.42	-	-	26	0.13	26	0.13
Anchar	6,287	46.81	6,311	46.99	743	5.53	89	0.66	-	-	-	-
Habro	22,218	73.12	7,462	24.56	469	1.54	237	0.78	-	-	-	-
Darolebu	16,580	61.46	9,907	36.72	491	1.82	-	-	-	-	-	-
Boke	15,937	71.97	5,749	25.96	458	2.07	-	-	-	-	-	-
Kuni	15,501	58.05	9,889	37.04	1,212	4.54	65	0.24	34	0.13	-	-
East Harerge Zone	299,320	77.31	81,464	21.04	5,626	1.45	590	0.15	148	0.04	45	0.01
Kombolcha	17,336	83.71	3,262	15.75	112	0.54	-	-	-	-	-	-
Jarso	13,848	81.21	3,047	17.87	157	0.92	-	-	-	-	-	-
Gursum	24,279	94.96	1,288	5.04	-	-	-	-	-	-	-	-
Babile	7,828	76.47	2,201	21.50	194	1.90	14	0.14	-	-	-	-
Fedis	13,237	53.89	9,220	37.53	1,912	7.78	196	0.80	-	-	-	-
Haro Maya	26,079	83.04	4,733	15.07	482	1.53	110	0.35	-	-	-	-
Kurfa Chele	5,423	76.14	1,630	22.89	69	0.97	-	-	-	-	-	-
Kersa	20,373	73.43	7,041	25.38	198	0.71	88	0.32	-	-	45	0.16

Table 8.18B:- Number of Crop Holders that Owned Winnower (wood) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Winnower (wood)		One Winnower (wood)		Two Winnowers (wood)		Three Winnowers (wood)		Four Winnowers (wood)		Five and above Winnowers (wood)	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	32,668	74.63	10,286	23.50	821	1.88	-	-	-	-	-	-
Goro Gutu	20,257	78.77	5,194	20.20	267	1.04	-	-	-	-	-	-
Deder	30,970	80.94	7,100	18.55	195	0.51	-	-	-	-	-	-
Malka Balo	19,009	76.25	5,589	22.42	332	1.33	-	-	-	-	-	-
Bedeno	32,200	74.27	10,273	23.69	554	1.28	181	0.42	148	0.34	-	-
Girawa	30,799	79.20	7,994	20.56	93	0.24	-	-	-	-	-	-
Gola Oda	5,016	63.81	2,607	33.16	238	3.03	-	-	-	-	-	-
Bale Zone	188,366	72.71	66,991	25.86	3,484	1.34	114	0.04	30	0.01	73	0.03
Kokosa	21,936	93.84	1,404	6.01	35	0.15	-	-	-	-	-	-
Dodola	12,413	52.49	10,142	42.88	981	4.15	84	0.36	30	0.13	-	-
Adaba	11,552	58.18	7,926	39.92	378	1.90	-	-	-	-	-	-
Agarfa	6,316	48.05	6,361	48.39	455	3.46	14	0.11	-	-	-	-
Gasera	8,381	69.33	3,602	29.80	105	0.87	-	-	-	-	-	-
Gololcha	9,917	66.49	4,850	32.52	147	0.99	-	-	-	-	-	-
Legehida	7,621	94.16	458	5.66	-	-	-	-	-	-	15	0.19
Ginir	14,530	67.10	6,751	31.18	372	1.72	-	-	-	-	-	-
Sinanana Dinsho	13,677	54.73	10,980	43.94	301	1.20	-	-	-	-	30	0.12
Goba	3,321	46.23	3,586	49.92	267	3.72	-	-	-	-	9	0.13
Mennana Arena Buluk	17,491	91.11	1,646	8.57	61	0.32	-	-	-	-	-	-
Nensebo	12,165	85.86	1,864	13.16	140	0.99	-	-	-	-	-	-
Meda Welabu	12,382	98.61	131	1.04	44	0.35	-	-	-	-	-	-
Berbere	9,191	89.99	948	9.28	58	0.57	16	0.16	-	-	-	-
Guradamole	3,128	75.19	1,019	24.50	13	0.31	-	-	-	-	-	-
Goro	10,730	67.34	5,076	31.86	108	0.68	-	-	-	-	20	0.13
Raytu	6,168	100.00	-	-	-	-	-	-	-	-	-	-
Seweyna	7,446	96.56	247	3.20	18	0.23	-	-	-	-	-	-
Borena Zone	275,545	97.33	5,370	1.90	1,840	0.65	244	0.09	50	0.02	55	0.02
Uraga	42,567	99.87	56	0.13	-	-	-	-	-	-	-	-
Bore	29,641	97.40	639	2.10	153	0.50	-	-	-	-	-	-
Adolana Wadera	21,167	93.59	929	4.11	493	2.18	27	0.12	-	-	-	-
Odo Shakiso	13,732	97.98	273	1.95	10	0.07	-	-	-	-	-	-
Hager Mariam	86,031	99.90	85	0.10	-	-	-	-	-	-	-	-
Yabelo	10,015	99.35	44	0.44	22	0.22	-	-	-	-	-	-
Arero	3,255	97.72	65	1.95	11	0.33	-	-	-	-	-	-
Liben	11,937	80.42	2,211	14.89	500	3.37	177	1.19	19	0.13	-	-
Moyale	10,310	96.03	117	1.09	309	2.88	-	-	-	-	-	-
Dire	12,758	93.00	618	4.50	260	1.90	28	0.20	-	-	55	0.40
Teltele	6,935	94.21	301	4.09	81	1.10	13	0.18	31	0.42	-	-
Gelana Abaya	27,198	99.89	31	0.11	-	-	-	-	-	-	-	-

Table 8.19B:- Number of Crop Holders that Owned Cart by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Cart		One Cart		Two Carts		Three Carts		Four Carts		Five and above Carts	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	3,944,100	99.06	32,482	0.82	4,411	0.11	325	0.01	357	0.01	29	0.00
West Welega Zone	313,774	99.95	149	0.05	-	-	-	-	-	-	-	-
Mana Sibu	26,999	99.91	23	0.09	-	-	-	-	-	-	-	-
Nejo	17,892	99.87	24	0.13	-	-	-	-	-	-	-	-
Gimbi	17,076	99.88	20	0.12	-	-	-	-	-	-	-	-
Lalo Asabi	10,906	100.00	-	-	-	-	-	-	-	-	-	-
Boji	15,188	100.00	-	-	-	-	-	-	-	-	-	-
Ayra Guliso	16,371	100.00	-	-	-	-	-	-	-	-	-	-
Jarso	16,190	100.00	-	-	-	-	-	-	-	-	-	-
Gidami	13,618	99.87	18	0.13	-	-	-	-	-	-	-	-
Jimma Horo	6,869	100.00	-	-	-	-	-	-	-	-	-	-
Hawa Welel	17,315	100.00	-	-	-	-	-	-	-	-	-	-
Gawo Dale	23,820	100.00	-	-	-	-	-	-	-	-	-	-
Dale Sadi	11,117	100.00	-	-	-	-	-	-	-	-	-	-
Yubdo	5,640	100.00	-	-	-	-	-	-	-	-	-	-
Ganji	9,611	100.00	-	-	-	-	-	-	-	-	-	-
Haru	11,508	100.00	-	-	-	-	-	-	-	-	-	-
Nole Kaba	23,347	99.82	41	0.18	-	-	-	-	-	-	-	-
Lalo Kilie	7,900	100.00	-	-	-	-	-	-	-	-	-	-
Sayo	19,820	99.88	24	0.12	-	-	-	-	-	-	-	-
Anfilo	11,848	100.00	-	-	-	-	-	-	-	-	-	-
Begi	30,734	100.00	-	-	-	-	-	-	-	-	-	-
East Welega Zone	260,621	99.90	272	0.10	-	-	-	-	-	-	-	-
Limu	20,690	100.00	-	-	-	-	-	-	-	-	-	-
Ibantu	5,068	99.63	19	0.37	-	-	-	-	-	-	-	-
Gida Kiremu	22,168	100.00	-	-	-	-	-	-	-	-	-	-
Jarte	7,363	100.00	-	-	-	-	-	-	-	-	-	-
Amuru	7,679	99.22	60	0.78	-	-	-	-	-	-	-	-
Abe Dongoro	9,470	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Horo	24,023	100.00	-	-	-	-	-	-	-	-	-	-
Abay Chomen	4,699	99.66	16	0.34	-	-	-	-	-	-	-	-
Guduru	21,458	99.71	62	0.29	-	-	-	-	-	-	-	-
Jimma Rare	7,655	98.93	83	1.07	-	-	-	-	-	-	-	-
Bila Seyo	13,470	100.00	-	-	-	-	-	-	-	-	-	-
Sibu Sire	15,203	100.00	-	-	-	-	-	-	-	-	-	-
Guto Wayu	28,487	100.00	-	-	-	-	-	-	-	-	-	-
Sasiga	11,346	100.00	-	-	-	-	-	-	-	-	-	-
Leka Dulecha	10,555	100.00	-	-	-	-	-	-	-	-	-	-
Diga	11,849	99.84	19	0.16	-	-	-	-	-	-	-	-
Jimma Arjo	13,333	100.00	-	-	-	-	-	-	-	-	-	-
Nunu Kumba	10,426	99.89	12	0.11	-	-	-	-	-	-	-	-
Wama Bonaya	15,680	100.00	-	-	-	-	-	-	-	-	-	-
Illibabor Zone	195,230	99.97	57	0.03	-	-	-	-	-	-	-	-
Darimu	22,324	100.00	-	-	-	-	-	-	-	-	-	-
Supena Sodo	13,139	100.00	-	-	-	-	-	-	-	-	-	-
Chora	19,554	100.00	-	-	-	-	-	-	-	-	-	-
Dega	10,191	100.00	-	-	-	-	-	-	-	-	-	-
Bedele	20,481	99.84	32	0.16	-	-	-	-	-	-	-	-
Gechi	10,893	100.00	-	-	-	-	-	-	-	-	-	-
Borecha Wereda	9,030	100.00	-	-	-	-	-	-	-	-	-	-
Dedesa	14,033	100.00	-	-	-	-	-	-	-	-	-	-
yayu	19,201	100.00	-	-	-	-	-	-	-	-	-	-
Metu	22,626	99.89	25	0.11	-	-	-	-	-	-	-	-

Table 8.19B:- Number of Crop Holders that Owned Cart by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Cart		One Cart		Two Carts		Three Carts		Four Carts		Five and above Carts	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	17,356	100.00	-	-	-	-	-	-	-	-	-	-
Bure	11,992	100.00	-	-	-	-	-	-	-	-	-	-
Nono	4,411	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Zone	443,204	99.97	111	0.03	-	-	-	-	-	-	-	-
Limu Seka	29,245	100.00	-	-	-	-	-	-	-	-	-	-
Limu Kosa	45,921	100.00	-	-	-	-	-	-	-	-	-	-
Sokoru	25,586	100.00	-	-	-	-	-	-	-	-	-	-
Tiro Afeta	24,135	100.00	-	-	-	-	-	-	-	-	-	-
Kersa	29,435	99.87	39	0.13	-	-	-	-	-	-	-	-
Mana	27,816	100.00	-	-	-	-	-	-	-	-	-	-
Goma	49,523	100.00	-	-	-	-	-	-	-	-	-	-
Gera	20,803	100.00	-	-	-	-	-	-	-	-	-	-
Seka chekorsa	56,349	99.87	73	0.13	-	-	-	-	-	-	-	-
Dedo	54,035	100.00	-	-	-	-	-	-	-	-	-	-
Omonada	45,972	100.00	-	-	-	-	-	-	-	-	-	-
Sigmo	16,132	100.00	-	-	-	-	-	-	-	-	-	-
Setema	18,249	100.00	-	-	-	-	-	-	-	-	-	-
West Shewa Zone	500,318	99.55	1,960	0.39	313	0.06	-	-	-	-	-	-
Ginde Beret	33,630	100.00	-	-	-	-	-	-	-	-	-	-
Jeldu	33,701	100.00	-	-	-	-	-	-	-	-	-	-
Ambo	40,122	100.00	-	-	-	-	-	-	-	-	-	-
Cheliya	36,871	99.62	140	0.38	-	-	-	-	-	-	-	-
Bako Tibe	19,321	99.65	68	0.35	-	-	-	-	-	-	-	-
Dano	15,544	100.00	-	-	-	-	-	-	-	-	-	-
Nono	23,122	99.92	18	0.08	-	-	-	-	-	-	-	-
Tikur	12,596	100.00	-	-	-	-	-	-	-	-	-	-
Amaya	21,943	100.00	-	-	-	-	-	-	-	-	-	-
Wonchi	17,405	100.00	-	-	-	-	-	-	-	-	-	-
Dendi	37,106	100.00	-	-	-	-	-	-	-	-	-	-
Ejerie	14,800	97.25	315	2.07	104	0.68	-	-	-	-	-	-
Adda Berga	19,302	100.00	-	-	-	-	-	-	-	-	-	-
Walmara	15,885	93.04	1,036	6.07	152	0.89	-	-	-	-	-	-
Alem Gana	20,550	99.72	26	0.13	31	0.15	-	-	-	-	-	-
Kersana Kondaltiti	21,998	99.76	53	0.24	-	-	-	-	-	-	-	-
Tole	10,283	98.87	105	1.01	13	0.12	-	-	-	-	-	-
Elu	10,220	98.71	121	1.17	13	0.13	-	-	-	-	-	-
Dawo	13,020	99.63	48	0.37	-	-	-	-	-	-	-	-
Walisona Goro	35,633	100.00	-	-	-	-	-	-	-	-	-	-
Becho	11,280	99.88	14	0.12	-	-	-	-	-	-	-	-
Kokir	12,347	99.88	15	0.12	-	-	-	-	-	-	-	-
Meta Robi	23,639	100.00	-	-	-	-	-	-	-	-	-	-
North Shewa(Oromia) Zone	236,807	99.91	147	0.06	57	0.02	-	-	-	-	-	-
Wara Jarso	25,009	100.00	-	-	-	-	-	-	-	-	-	-
Dera	35,035	100.00	-	-	-	-	-	-	-	-	-	-
Hidabu Abote	15,884	100.00	-	-	-	-	-	-	-	-	-	-
Kuyu	20,090	100.00	-	-	-	-	-	-	-	-	-	-
Degem	17,889	99.74	47	0.26	-	-	-	-	-	-	-	-
Gerar Jarso	13,163	100.00	-	-	-	-	-	-	-	-	-	-
Yaya Gulelena Debre	16,545	99.87	-	-	21	0.13	-	-	-	-	-	-
Wuchalena Jido	22,017	100.00	-	-	-	-	-	-	-	-	-	-
Abichuna Gna'a	11,868	100.00	-	-	-	-	-	-	-	-	-	-
Kembibit	10,860	100.00	-	-	-	-	-	-	-	-	-	-
Berehna Aleltu	24,774	100.00	-	-	-	-	-	-	-	-	-	-
Mulona Sululta	23,673	99.42	101	0.42	36	0.15	-	-	-	-	-	-

Table 8.19B:- Number of Crop Holders that Owned Cart by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Cart		One Cart		Two Carts		Three Carts		Four Carts		Five and above Carts	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	303,548	96.37	10,957	3.48	415	0.13	-	-	46	0.01	-	-
Fentale	6,677	100.00	-	-	-	-	-	-	-	-	-	-
Boset	24,837	100.00	-	-	-	-	-	-	-	-	-	-
Adama	26,833	99.73	73	0.27	-	-	-	-	-	-	-	-
Lome	14,529	99.76	35	0.24	-	-	-	-	-	-	-	-
Gimbichu	15,569	100.00	-	-	-	-	-	-	-	-	-	-
Ada'a Liben Chukala	40,136	99.90	40	0.10	-	-	-	-	-	-	-	-
Dugda Bora	23,283	80.72	5,356	18.57	205	0.71	-	-	-	-	-	-
Adami Tullu Jido	21,330	89.64	2,410	10.13	54	0.23	-	-	-	-	-	-
Arsi Negele	25,513	95.97	1,042	3.92	29	0.11	-	-	-	-	-	-
Shashemene	44,008	95.45	1,943	4.21	111	0.24	-	-	46	0.10	-	-
Seraro	48,150	99.88	59	0.12	-	-	-	-	-	-	-	-
Akaki	12,680	99.87	-	-	16	0.13	-	-	-	-	-	-
Arsi Zone	478,283	97.01	12,922	2.62	1,611	0.33	43	0.01	119	0.02	29	0.01
Merti	22,665	99.63	85	0.37	-	-	-	-	-	-	-	-
Aseko	14,376	99.86	20	0.14	-	-	-	-	-	-	-	-
Gololcha	29,178	100.00	-	-	-	-	-	-	-	-	-	-
Jeju	21,785	98.06	432	1.94	-	-	-	-	-	-	-	-
Dodotana Sire	22,527	98.43	335	1.46	25	0.11	-	-	-	-	-	-
Zeway Dugda	20,635	97.33	538	2.54	-	-	27	0.13	-	-	-	-
Hitosa	39,147	99.79	82	0.21	-	-	-	-	-	-	-	-
Sude	24,464	95.93	975	3.82	62	0.24	-	-	-	-	-	-
Chole	15,897	99.87	21	0.13	-	-	-	-	-	-	-	-
Amigna	11,176	100.00	-	-	-	-	-	-	-	-	-	-
Seru	18,180	99.86	25	0.14	-	-	-	-	-	-	-	-
Robe	25,500	94.23	1,535	5.67	27	0.10	-	-	-	-	-	-
Tena	20,684	100.00	-	-	-	-	-	-	-	-	-	-
Sherka	26,372	99.88	33	0.12	-	-	-	-	-	-	-	-
Digeluna Tijo	20,676	93.21	899	4.05	519	2.34	-	-	58	0.26	29	0.13
Tiyo	12,264	76.76	3,246	20.32	432	2.70	16	0.10	20	0.13	-	-
Munesa	33,161	94.29	1,560	4.44	409	1.16	-	-	41	0.12	-	-
Bekoji	35,547	98.76	413	1.15	35	0.10	-	-	-	-	-	-
Gedeb	23,149	93.17	1,597	6.43	101	0.41	-	-	-	-	-	-
Kofele	40,902	97.32	1,126	2.68	-	-	-	-	-	-	-	-
West Harerge Zone	290,926	99.85	267	0.09	-	-	-	-	163	0.06	-	-
Mieso	16,400	100.00	-	-	-	-	-	-	-	-	-	-
Doba	22,768	100.00	-	-	-	-	-	-	-	-	-	-
Tulo	24,329	100.00	-	-	-	-	-	-	-	-	-	-
Mesela	25,803	99.86	37	0.14	-	-	-	-	-	-	-	-
Chiro	62,030	99.46	175	0.28	-	-	-	-	163	0.26	-	-
Goba Koricha	19,987	99.87	27	0.13	-	-	-	-	-	-	-	-
Anchar	13,430	100.00	-	-	-	-	-	-	-	-	-	-
Habro	30,386	100.00	-	-	-	-	-	-	-	-	-	-
Darolebu	26,949	99.89	29	0.11	-	-	-	-	-	-	-	-
Boke	22,144	100.00	-	-	-	-	-	-	-	-	-	-
Kuni	26,701	100.00	-	-	-	-	-	-	-	-	-	-
East Harerge Zone	386,416	99.80	649	0.17	98	0.03	-	-	30	0.01	-	-
Kombolcha	20,710	100.00	-	-	-	-	-	-	-	-	-	-
Jarso	17,052	100.00	-	-	-	-	-	-	-	-	-	-
Gursum	25,522	99.82	45	0.18	-	-	-	-	-	-	-	-
Babile	10,237	100.00	-	-	-	-	-	-	-	-	-	-
Fedis	24,509	99.77	26	0.11	-	-	-	-	30	0.12	-	-
Haro Maya	31,318	99.73	86	0.27	-	-	-	-	-	-	-	-
Kurfa Chele	7,122	100.00	-	-	-	-	-	-	-	-	-	-
Kersa	27,715	99.89	30	0.11	-	-	-	-	-	-	-	-

Table 8.19B:- Number of Crop Holders that Owned Cart by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Cart		One Cart		Two Carts		Three Carts		Four Carts		Five and above Carts	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	43,665	99.75	110	0.25	-	-	-	-	-	-	-	-
Goro Gutu	25,616	99.60	102	0.40	-	-	-	-	-	-	-	-
Deder	38,265	100.00	-	-	-	-	-	-	-	-	-	-
Malka Balo	24,899	99.88	31	0.12	-	-	-	-	-	-	-	-
Bedeno	43,289	99.85	67	0.15	-	-	-	-	-	-	-	-
Girawa	38,675	99.46	113	0.29	98	0.25	-	-	-	-	-	-
Gola Oda	7,824	99.53	37	0.47	-	-	-	-	-	-	-	-
Bale Zone	255,256	98.53	3,320	1.28	391	0.15	91	0.04	-	-	-	-
Kokosa	23,349	99.89	26	0.11	-	-	-	-	-	-	-	-
Dodola	22,390	94.67	1,019	4.31	150	0.63	91	0.38	-	-	-	-
Adaba	19,369	97.55	424	2.14	63	0.32	-	-	-	-	-	-
Agarfa	12,818	97.50	300	2.28	28	0.21	-	-	-	-	-	-
Gasera	11,795	97.58	242	2.00	51	0.42	-	-	-	-	-	-
Gololcha	14,890	99.84	24	0.16	-	-	-	-	-	-	-	-
Legehida	8,094	100.00	-	-	-	-	-	-	-	-	-	-
Ginir	21,480	99.20	173	0.80	-	-	-	-	-	-	-	-
Sinanana Dinsho	23,817	95.31	1,071	4.29	100	0.40	-	-	-	-	-	-
Goba	7,183	100.00	-	-	-	-	-	-	-	-	-	-
Mennana Arena Buluk	19,198	100.00	-	-	-	-	-	-	-	-	-	-
Nensebo	14,169	100.00	-	-	-	-	-	-	-	-	-	-
Meda Welabu	12,557	100.00	-	-	-	-	-	-	-	-	-	-
Berbere	10,213	100.00	-	-	-	-	-	-	-	-	-	-
Guradamole	4,160	100.00	-	-	-	-	-	-	-	-	-	-
Goro	15,893	99.74	41	0.26	-	-	-	-	-	-	-	-
Raytu	6,168	100.00	-	-	-	-	-	-	-	-	-	-
Seweyna	7,711	100.00	-	-	-	-	-	-	-	-	-	-
Borena Zone	279,717	98.80	1,671	0.59	1,525	0.54	191	0.07	-	-	-	-
Uraga	42,623	100.00	-	-	-	-	-	-	-	-	-	-
Bore	30,401	99.89	32	0.11	-	-	-	-	-	-	-	-
Adolana Wadera	22,301	98.61	315	1.39	-	-	-	-	-	-	-	-
Odo Shakiso	13,972	99.69	43	0.31	-	-	-	-	-	-	-	-
Hager Mariam	83,119	96.52	1,281	1.49	1,525	1.77	191	0.22	-	-	-	-
Yabelo	10,081	100.00	-	-	-	-	-	-	-	-	-	-
Arero	3,331	100.00	-	-	-	-	-	-	-	-	-	-
Liben	14,844	100.00	-	-	-	-	-	-	-	-	-	-
Moyale	10,736	100.00	-	-	-	-	-	-	-	-	-	-
Dire	13,719	100.00	-	-	-	-	-	-	-	-	-	-
Teltele	7,361	100.00	-	-	-	-	-	-	-	-	-	-
Gelana Abaya	27,229	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.20B:- Number of Crop Holders that Owned Sprayer (hand operated) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Sprayer		One Sprayer		Two Sprayers		Three Sprayers		Four Sprayers		Five and above Sprayers	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	3,924,641	98.57	54,134	1.36	2,253	0.06	527	0.01	34	0.00	115	0.00
West Welega Zone	310,742	98.99	2,675	0.85	348	0.11	143	0.05	-	-	15	0.00
Mana Sibu	26,528	98.17	403	1.49	-	-	91	0.34	-	-	-	-
Nejo	17,825	99.49	64	0.36	27	0.15	-	-	-	-	-	-
Gimbi	16,927	99.01	169	0.99	-	-	-	-	-	-	-	-
Lalo Asabi	10,708	98.18	141	1.29	57	0.52	-	-	-	-	-	-
Boji	15,059	99.15	97	0.64	17	0.11	-	-	-	-	15	0.10
Ayra Guliso	16,271	99.39	100	0.61	-	-	-	-	-	-	-	-
Jarso	16,149	99.75	41	0.25	-	-	-	-	-	-	-	-
Gidami	13,287	97.44	307	2.25	42	0.31	-	-	-	-	-	-
Jimma Horo	6,745	98.19	124	1.81	-	-	-	-	-	-	-	-
Hawa Welel	17,140	98.99	156	0.90	19	0.11	-	-	-	-	-	-
Gawo Dale	23,461	98.49	295	1.24	32	0.13	32	0.13	-	-	-	-
Dale Sadi	11,027	99.19	90	0.81	-	-	-	-	-	-	-	-
Yubdo	5,619	99.63	7	0.12	14	0.25	-	-	-	-	-	-
Ganji	9,579	99.67	32	0.33	-	-	-	-	-	-	-	-
Haru	11,352	98.64	156	1.36	-	-	-	-	-	-	-	-
Nole Kaba	23,257	99.44	103	0.44	28	0.12	-	-	-	-	-	-
Lalo Kilie	7,855	99.43	37	0.47	-	-	8	0.10	-	-	-	-
Sayo	19,706	99.30	67	0.34	71	0.36	-	-	-	-	-	-
Anfilo	11,709	98.83	127	1.07	-	-	12	0.10	-	-	-	-
Begi	30,536	99.36	158	0.51	40	0.13	-	-	-	-	-	-
East Welega Zone	258,990	99.27	1,333	0.51	386	0.15	121	0.05	34	0.01	29	0.01
Limu	20,561	99.38	64	0.31	31	0.15	34	0.16	-	-	-	-
Ibantu	5,080	99.86	-	-	7	0.14	-	-	-	-	-	-
Gida Kiremu	21,932	98.94	100	0.45	136	0.61	-	-	-	-	-	-
Jarte	7,305	99.21	28	0.38	20	0.27	10	0.14	-	-	-	-
Amuru	7,706	99.57	21	0.27	12	0.16	-	-	-	-	-	-
Abe Dongoro	9,431	99.59	39	0.41	-	-	-	-	-	-	-	-
Jimma Horo	23,907	99.52	87	0.36	-	-	-	-	-	-	29	0.12
Abay Chomen	4,648	98.58	47	1.00	10	0.21	10	0.21	-	-	-	-
Guduru	21,349	99.21	171	0.79	-	-	-	-	-	-	-	-
Jimma Rare	7,654	98.91	84	1.09	-	-	-	-	-	-	-	-
Bila Seyo	13,296	98.71	133	0.99	20	0.15	-	-	21	0.16	-	-
Sibu Sire	15,091	99.26	94	0.62	18	0.12	-	-	-	-	-	-
Guto Wayu	28,362	99.56	95	0.33	-	-	30	0.11	-	-	-	-
Sasiga	11,254	99.19	30	0.26	23	0.20	39	0.34	-	-	-	-
Leka Dulecha	10,543	99.89	-	-	12	0.11	-	-	-	-	-	-
Diga	11,733	98.86	55	0.46	67	0.56	-	-	13	0.11	-	-
Jimma Arjo	13,117	98.38	216	1.62	-	-	-	-	-	-	-	-
Nunu Kumba	10,373	99.38	52	0.50	13	0.12	-	-	-	-	-	-
Wama Bonaya	15,645	99.78	16	0.10	19	0.12	-	-	-	-	-	-
Illibabor Zone	192,979	98.82	2,149	1.10	159	0.08	-	-	-	-	-	-
Darimu	22,066	98.84	258	1.16	-	-	-	-	-	-	-	-
Supena Sodo	13,071	99.48	68	0.52	-	-	-	-	-	-	-	-
Chora	19,104	97.70	450	2.30	-	-	-	-	-	-	-	-
Dega	10,124	99.34	27	0.26	40	0.39	-	-	-	-	-	-
Bedele	20,352	99.22	102	0.50	59	0.29	-	-	-	-	-	-
Gechi	10,844	99.55	34	0.31	15	0.14	-	-	-	-	-	-
Borecha Wereda	8,893	98.48	126	1.40	11	0.12	-	-	-	-	-	-
Dedesa	13,850	98.70	183	1.30	-	-	-	-	-	-	-	-
yayu	18,868	98.27	333	1.73	-	-	-	-	-	-	-	-
Metu	22,419	98.98	232	1.02	-	-	-	-	-	-	-	-

Table 8.20B:- Number of Crop Holders that Owned Sprayer (hand operated) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Sprayer		One Sprayer		Two Sprayers		Three Sprayers		Four Sprayers		Five and above Sprayers	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	17,101	98.53	255	1.47	-	-	-	-	-	-	-	-
Bure	11,875	99.02	82	0.68	35	0.29	-	-	-	-	-	-
Nono	4,411	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Zone	432,951	97.66	10,005	2.26	343	0.08	16	0.00	-	-	-	-
Limu Seka	28,758	98.33	448	1.53	39	0.13	-	-	-	-	-	-
Limu Kosa	43,606	94.96	2,315	5.04	-	-	-	-	-	-	-	-
Sokoru	25,499	99.66	60	0.23	27	0.11	-	-	-	-	-	-
Tiro Afeta	23,641	97.95	449	1.86	29	0.12	16	0.07	-	-	-	-
Kersa	28,602	97.04	872	2.96	-	-	-	-	-	-	-	-
Mana	27,674	99.49	142	0.51	-	-	-	-	-	-	-	-
Goma	48,636	98.21	752	1.52	135	0.27	-	-	-	-	-	-
Gera	19,416	93.33	1,387	6.67	-	-	-	-	-	-	-	-
Seka chekorsa	55,556	98.47	866	1.53	-	-	-	-	-	-	-	-
Dedo	52,918	97.93	1,117	2.07	-	-	-	-	-	-	-	-
Omonada	45,017	97.92	887	1.93	68	0.15	-	-	-	-	-	-
Sigmo	15,730	97.51	356	2.21	46	0.29	-	-	-	-	-	-
Setema	17,895	98.06	354	1.94	-	-	-	-	-	-	-	-
West Shewa Zone	492,633	98.02	9,812	1.95	128	0.03	18	0.00	-	-	-	-
Ginde Beret	32,191	95.72	1,439	4.28	-	-	-	-	-	-	-	-
Jeldu	33,235	98.62	429	1.27	37	0.11	-	-	-	-	-	-
Ambo	39,287	97.92	835	2.08	-	-	-	-	-	-	-	-
Cheliya	36,749	99.29	262	0.71	-	-	-	-	-	-	-	-
Bako Tibe	19,296	99.52	93	0.48	-	-	-	-	-	-	-	-
Dano	15,218	97.90	308	1.98	-	-	18	0.12	-	-	-	-
Nono	22,412	96.85	728	3.15	-	-	-	-	-	-	-	-
Tikur	12,457	98.90	139	1.10	-	-	-	-	-	-	-	-
Amaya	21,689	98.84	254	1.16	-	-	-	-	-	-	-	-
Wonchi	17,231	99.00	174	1.00	-	-	-	-	-	-	-	-
Dendi	36,831	99.26	275	0.74	-	-	-	-	-	-	-	-
Ejerie	15,060	98.96	159	1.04	-	-	-	-	-	-	-	-
Adda Berga	18,795	97.37	507	2.63	-	-	-	-	-	-	-	-
Walmara	16,602	97.24	471	2.76	-	-	-	-	-	-	-	-
Alem Gana	20,271	98.37	287	1.39	49	0.24	-	-	-	-	-	-
Kersana Kondaltiti	20,712	93.93	1,339	6.07	-	-	-	-	-	-	-	-
Tole	10,114	97.24	287	2.76	-	-	-	-	-	-	-	-
Elu	10,177	98.29	151	1.46	26	0.25	-	-	-	-	-	-
Dawo	12,897	98.69	154	1.18	17	0.13	-	-	-	-	-	-
Walisona Goro	35,419	99.40	214	0.60	-	-	-	-	-	-	-	-
Becho	10,792	95.56	502	4.44	-	-	-	-	-	-	-	-
Kokir	11,996	97.04	366	2.96	-	-	-	-	-	-	-	-
Meta Robi	23,199	98.14	440	1.86	-	-	-	-	-	-	-	-
North Shewa(Oromia) Zone	234,438	98.91	2,226	0.94	218	0.09	129	0.05	-	-	-	-
Wara Jarso	24,804	99.18	139	0.56	-	-	66	0.26	-	-	-	-
Dera	34,899	99.61	136	0.39	-	-	-	-	-	-	-	-
Hidabu Abote	15,762	99.23	64	0.40	58	0.37	-	-	-	-	-	-
Kuyu	19,957	99.34	133	0.66	-	-	-	-	-	-	-	-
Degem	17,276	96.32	636	3.55	24	0.13	-	-	-	-	-	-
Gerar Jarso	13,023	98.94	122	0.93	18	0.14	-	-	-	-	-	-
Yaya Gulelena Debre	16,451	99.31	65	0.39	50	0.30	-	-	-	-	-	-
Wuchalena Jido	21,639	98.28	295	1.34	54	0.25	29	0.13	-	-	-	-
Abichuna Gna'a	11,853	99.87	15	0.13	-	-	-	-	-	-	-	-
Kembibit	10,800	99.45	46	0.42	14	0.13	-	-	-	-	-	-
Berehna Aleltu	24,599	99.29	141	0.57	-	-	34	0.14	-	-	-	-
Mulona Sululta	23,374	98.17	436	1.83	-	-	-	-	-	-	-	-

Table 8.20B:- Number of Crop Holders that Owned Sprayer (hand operated) by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No Sprayer		One Sprayer		Two Sprayers		Three Sprayers		Four Sprayers		Five and above Sprayers	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	307,892	97.75	7,014	2.23	60	0.02	-	-	-	-	-	-
Fentale	6,617	99.10	60	0.90	-	-	-	-	-	-	-	-
Boset	24,640	99.21	197	0.79	-	-	-	-	-	-	-	-
Adama	26,031	96.75	848	3.15	27	0.10	-	-	-	-	-	-
Lome	13,546	93.01	1,000	6.87	18	0.12	-	-	-	-	-	-
Gimbichu	15,443	99.19	126	0.81	-	-	-	-	-	-	-	-
Ada'a Liben Chukala	38,426	95.64	1,750	4.36	-	-	-	-	-	-	-	-
Dugda Bora	28,236	97.89	608	2.11	-	-	-	-	-	-	-	-
Adami Tullu Jido	23,638	99.34	156	0.66	-	-	-	-	-	-	-	-
Arsi Negele	26,376	99.22	208	0.78	-	-	-	-	-	-	-	-
Shashemene	45,372	98.40	736	1.60	-	-	-	-	-	-	-	-
Seraro	48,105	99.78	104	0.22	-	-	-	-	-	-	-	-
Akaki	11,461	90.27	1,220	9.61	15	0.12	-	-	-	-	-	-
Arsi Zone	483,735	98.12	9,030	1.83	125	0.03	47	0.01	-	-	70	0.01
Merti	21,936	96.42	752	3.31	31	0.14	31	0.14	-	-	-	-
Aseko	13,947	96.88	449	3.12	-	-	-	-	-	-	-	-
Gololcha	28,957	99.24	221	0.76	-	-	-	-	-	-	-	-
Jeju	21,965	98.87	252	1.13	-	-	-	-	-	-	-	-
Dodotana Sire	22,476	98.20	395	1.73	-	-	16	0.07	-	-	-	-
Zeway Dugda	20,737	97.82	436	2.06	27	0.13	-	-	-	-	-	-
Hitosa	38,238	97.47	991	2.53	-	-	-	-	-	-	-	-
Sude	25,330	99.33	171	0.67	-	-	-	-	-	-	-	-
Chole	15,770	99.07	148	0.93	-	-	-	-	-	-	-	-
Amigna	11,008	98.50	155	1.39	13	0.12	-	-	-	-	-	-
Seru	17,910	98.38	295	1.62	-	-	-	-	-	-	-	-
Robe	26,789	98.99	273	1.01	-	-	-	-	-	-	-	-
Tena	20,526	99.24	158	0.76	-	-	-	-	-	-	-	-
Sherka	25,889	98.05	516	1.95	-	-	-	-	-	-	-	-
Digeluna Tijo	22,073	99.51	79	0.36	-	-	-	-	-	-	29	0.13
Tiyo	15,706	98.30	218	1.36	54	0.34	-	-	-	-	-	-
Munesa	34,458	97.97	713	2.03	-	-	-	-	-	-	-	-
Bekoji	35,384	98.30	570	1.58	-	-	-	-	-	-	41	0.11
Gedeb	23,126	93.07	1,721	6.93	-	-	-	-	-	-	-	-
Kofele	41,508	98.76	520	1.24	-	-	-	-	-	-	-	-
West Harerge Zone	289,494	99.36	1,862	0.64	-	-	-	-	-	-	-	-
Mieso	16,335	99.60	65	0.40	-	-	-	-	-	-	-	-
Doba	22,709	99.74	59	0.26	-	-	-	-	-	-	-	-
Tulo	24,290	99.84	39	0.16	-	-	-	-	-	-	-	-
Mesela	25,728	99.57	112	0.43	-	-	-	-	-	-	-	-
Chiro	62,029	99.46	339	0.54	-	-	-	-	-	-	-	-
Goba Koricha	19,981	99.84	33	0.16	-	-	-	-	-	-	-	-
Anchar	13,358	99.46	72	0.54	-	-	-	-	-	-	-	-
Habro	29,710	97.78	676	2.22	-	-	-	-	-	-	-	-
Darolebu	26,859	99.56	119	0.44	-	-	-	-	-	-	-	-
Boke	22,077	99.70	67	0.30	-	-	-	-	-	-	-	-
Kuni	26,419	98.94	282	1.06	-	-	-	-	-	-	-	-
East Harerge Zone	384,618	99.33	2,493	0.64	82	0.02	-	-	-	-	-	-
Kombolcha	20,560	99.28	129	0.62	21	0.10	-	-	-	-	-	-
Jarso	17,052	100.00	-	-	-	-	-	-	-	-	-	-
Gursum	25,495	99.72	72	0.28	-	-	-	-	-	-	-	-
Babile	10,237	100.00	-	-	-	-	-	-	-	-	-	-
Fedis	24,464	99.59	101	0.41	-	-	-	-	-	-	-	-
Haro Maya	30,590	97.41	814	2.59	-	-	-	-	-	-	-	-
Kurfa Chele	7,115	99.90	7	0.10	-	-	-	-	-	-	-	-
Kersa	27,607	99.50	138	0.50	-	-	-	-	-	-	-	-

Table 8.20B:- Number of Crop Holders that Owned Sprayer (hand operated) by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No Sprayer		One Sprayer		Two Sprayers		Three Sprayers		Four Sprayers		Five and above Sprayers	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	43,712	99.86	63	0.14	-	-	-	-	-	-	-	-
Goro Gutu	25,625	99.64	93	0.36	-	-	-	-	-	-	-	-
Deder	38,126	99.64	139	0.36	-	-	-	-	-	-	-	-
Malka Balo	24,802	99.49	128	0.51	-	-	-	-	-	-	-	-
Bedeno	42,486	97.99	809	1.87	61	0.14	-	-	-	-	-	-
Girawa	38,886	100.00	-	-	-	-	-	-	-	-	-	-
Gola Oda	7,861	100.00	-	-	-	-	-	-	-	-	-	-
Bale Zone	254,509	98.24	4,373	1.69	176	0.07	-	-	-	-	-	-
Kokosa	23,311	99.73	35	0.15	29	0.12	-	-	-	-	-	-
Dodola	23,395	98.92	255	1.08	-	-	-	-	-	-	-	-
Adaba	19,062	96.00	765	3.85	29	0.15	-	-	-	-	-	-
Agarfa	12,708	96.67	438	3.33	-	-	-	-	-	-	-	-
Gasera	11,503	95.16	585	4.84	-	-	-	-	-	-	-	-
Gololcha	14,720	98.70	194	1.30	-	-	-	-	-	-	-	-
Legehida	8,069	99.69	25	0.31	-	-	-	-	-	-	-	-
Ginir	21,530	99.43	123	0.57	-	-	-	-	-	-	-	-
Sinanana Dinsho	24,078	96.36	910	3.64	-	-	-	-	-	-	-	-
Goba	7,084	98.62	99	1.38	-	-	-	-	-	-	-	-
Mennana Arena Buluk	18,980	98.86	193	1.01	25	0.13	-	-	-	-	-	-
Nensebo	13,934	98.34	235	1.66	-	-	-	-	-	-	-	-
Meda Welabu	12,521	99.71	36	0.29	-	-	-	-	-	-	-	-
Berbere	10,017	98.08	181	1.77	15	0.15	-	-	-	-	-	-
Guradamole	4,129	99.25	19	0.46	12	0.29	-	-	-	-	-	-
Goro	15,665	98.31	221	1.39	48	0.30	-	-	-	-	-	-
Raytu	6,147	99.66	21	0.34	-	-	-	-	-	-	-	-
Seweyna	7,656	99.29	37	0.48	18	0.23	-	-	-	-	-	-
Borena Zone	281,661	99.49	1,164	0.41	228	0.08	51	0.02	-	-	-	-
Uraga	42,444	99.58	128	0.30	-	-	51	0.12	-	-	-	-
Bore	30,236	99.35	197	0.65	-	-	-	-	-	-	-	-
Adolana Wadera	22,501	99.49	81	0.36	34	0.15	-	-	-	-	-	-
Odo Shakiso	13,881	99.04	93	0.66	41	0.29	-	-	-	-	-	-
Hager Mariam	85,688	99.50	296	0.34	132	0.15	-	-	-	-	-	-
Yabelo	10,039	99.58	42	0.42	-	-	-	-	-	-	-	-
Arero	3,322	99.73	9	0.27	-	-	-	-	-	-	-	-
Liben	14,815	99.80	29	0.20	-	-	-	-	-	-	-	-
Moyale	10,511	97.90	204	1.90	21	0.20	-	-	-	-	-	-
Dire	13,675	99.68	44	0.32	-	-	-	-	-	-	-	-
Teltele	7,361	100.00	-	-	-	-	-	-	-	-	-	-
Gelana Abaya	27,188	99.85	41	0.15	-	-	-	-	-	-	-	-

Table 8.21B:- Number of Crop Holders that Owned Wheelbarrow by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Wheelbarrow		One Wheelbarrow		Two Wheelbarrows		Three Wheelbarrows		Four Wheelbarrows		Five and above Wheelbarrows	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	3,967,712	99.65	13,565	0.34	367	0.01	60	0.00	-	-	-	-
West Welega Zone	313,457	99.85	416	0.13	50	0.02	-	-	-	-	-	-
Mana Sibu	26,955	99.75	29	0.11	38	0.14	-	-	-	-	-	-
Nejo	17,916	100.00	-	-	-	-	-	-	-	-	-	-
Gimbi	17,076	99.88	20	0.12	-	-	-	-	-	-	-	-
Lalo Asabi	10,882	99.78	24	0.22	-	-	-	-	-	-	-	-
Boji	15,167	99.86	21	0.14	-	-	-	-	-	-	-	-
Ayra Guliso	16,371	100.00	-	-	-	-	-	-	-	-	-	-
Jarso	16,170	99.88	20	0.12	-	-	-	-	-	-	-	-
Gidami	13,589	99.66	36	0.26	11	0.08	-	-	-	-	-	-
Jimma Horo	6,869	100.00	-	-	-	-	-	-	-	-	-	-
Hawa Welel	17,315	100.00	-	-	-	-	-	-	-	-	-	-
Gawo Dale	23,820	100.00	-	-	-	-	-	-	-	-	-	-
Dale Sadi	11,117	100.00	-	-	-	-	-	-	-	-	-	-
Yubdo	5,640	100.00	-	-	-	-	-	-	-	-	-	-
Ganji	9,611	100.00	-	-	-	-	-	-	-	-	-	-
Haru	11,494	99.88	14	0.12	-	-	-	-	-	-	-	-
Nole Kaba	23,388	100.00	-	-	-	-	-	-	-	-	-	-
Lalo Kilie	7,900	100.00	-	-	-	-	-	-	-	-	-	-
Sayo	19,650	99.02	194	0.98	-	-	-	-	-	-	-	-
Anfilo	11,834	99.88	14	0.12	-	-	-	-	-	-	-	-
Begi	30,689	99.85	45	0.15	-	-	-	-	-	-	-	-
East Welega Zone	260,615	99.89	226	0.09	52	0.02	-	-	-	-	-	-
Limu	20,660	99.86	30	0.14	-	-	-	-	-	-	-	-
Ibantu	5,087	100.00	-	-	-	-	-	-	-	-	-	-
Gida Kiremu	22,002	99.25	114	0.51	52	0.23	-	-	-	-	-	-
Jarte	7,346	99.77	17	0.23	-	-	-	-	-	-	-	-
Amuru	7,739	100.00	-	-	-	-	-	-	-	-	-	-
Abe Dongoro	9,428	99.56	42	0.44	-	-	-	-	-	-	-	-
Jimma Horo	24,023	100.00	-	-	-	-	-	-	-	-	-	-
Abay Chomen	4,715	100.00	-	-	-	-	-	-	-	-	-	-
Guduru	21,520	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Rare	7,738	100.00	-	-	-	-	-	-	-	-	-	-
Bila Seyo	13,470	100.00	-	-	-	-	-	-	-	-	-	-
Sibu Sire	15,180	99.85	23	0.15	-	-	-	-	-	-	-	-
Guto Wayu	28,487	100.00	-	-	-	-	-	-	-	-	-	-
Sasiga	11,346	100.00	-	-	-	-	-	-	-	-	-	-
Leka Dulecha	10,555	100.00	-	-	-	-	-	-	-	-	-	-
Diga	11,868	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Arjo	13,333	100.00	-	-	-	-	-	-	-	-	-	-
Nunu Kumba	10,438	100.00	-	-	-	-	-	-	-	-	-	-
Wama Bonaya	15,680	100.00	-	-	-	-	-	-	-	-	-	-
Illibabor Zone	194,755	99.73	532	0.27	-	-	-	-	-	-	-	-
Darimu	22,324	100.00	-	-	-	-	-	-	-	-	-	-
Supena Sodo	13,009	99.01	130	0.99	-	-	-	-	-	-	-	-
Chora	19,473	99.59	81	0.41	-	-	-	-	-	-	-	-
Dega	10,191	100.00	-	-	-	-	-	-	-	-	-	-
Bedele	20,485	99.86	28	0.14	-	-	-	-	-	-	-	-
Gechi	10,893	100.00	-	-	-	-	-	-	-	-	-	-
Borecha Wereda	9,030	100.00	-	-	-	-	-	-	-	-	-	-
Dedesa	14,017	99.89	16	0.11	-	-	-	-	-	-	-	-
yayu	19,093	99.44	108	0.56	-	-	-	-	-	-	-	-
Metu	22,521	99.43	130	0.57	-	-	-	-	-	-	-	-

Table 8.21B:- Number of Crop Holders that Owned Wheelbarrow by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No Wheelbarrow		One Wheelbarrow		Two Wheelbarrows		Three Wheelbarrows		Four Wheelbarrows		Five and above Wheelbarrows	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	17,356	100.00	-	-	-	-	-	-	-	-	-	-
Bure	11,952	99.67	40	0.33	-	-	-	-	-	-	-	-
Nono	4,411	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Zone	441,746	99.65	1,506	0.34	63	0.01	-	-	-	-	-	-
Limu Seka	29,201	99.85	44	0.15	-	-	-	-	-	-	-	-
Limu Kosa	45,724	99.57	197	0.43	-	-	-	-	-	-	-	-
Sokoru	25,564	99.91	22	0.09	-	-	-	-	-	-	-	-
Tiro Afeta	24,119	99.93	16	0.07	-	-	-	-	-	-	-	-
Kersa	29,319	99.47	155	0.53	-	-	-	-	-	-	-	-
Mana	27,697	99.57	119	0.43	-	-	-	-	-	-	-	-
Goma	48,894	98.73	566	1.14	63	0.13	-	-	-	-	-	-
Gera	20,803	100.00	-	-	-	-	-	-	-	-	-	-
Seka chekorsa	56,220	99.64	202	0.36	-	-	-	-	-	-	-	-
Dedo	53,977	99.89	58	0.11	-	-	-	-	-	-	-	-
Omonada	45,845	99.72	127	0.28	-	-	-	-	-	-	-	-
Sigmo	16,132	100.00	-	-	-	-	-	-	-	-	-	-
Setema	18,249	100.00	-	-	-	-	-	-	-	-	-	-
West Shewa Zone	501,622	99.81	912	0.18	18	0.00	39	0.01	-	-	-	-
Ginde Beret	33,581	99.85	49	0.15	-	-	-	-	-	-	-	-
Jeldu	33,701	100.00	-	-	-	-	-	-	-	-	-	-
Ambo	40,122	100.00	-	-	-	-	-	-	-	-	-	-
Cheliya	36,927	99.77	84	0.23	-	-	-	-	-	-	-	-
Bako Tibe	19,365	99.88	24	0.12	-	-	-	-	-	-	-	-
Dano	15,527	99.89	17	0.11	-	-	-	-	-	-	-	-
Nono	23,140	100.00	-	-	-	-	-	-	-	-	-	-
Tikur	12,578	99.86	-	-	18	0.14	-	-	-	-	-	-
Amaya	21,943	100.00	-	-	-	-	-	-	-	-	-	-
Wonchi	17,383	99.87	22	0.13	-	-	-	-	-	-	-	-
Dendi	37,017	99.76	89	0.24	-	-	-	-	-	-	-	-
Ejerie	15,186	99.78	33	0.22	-	-	-	-	-	-	-	-
Adda Berga	19,276	99.87	26	0.13	-	-	-	-	-	-	-	-
Walmara	17,040	99.81	33	0.19	-	-	-	-	-	-	-	-
Alem Gana	20,282	98.42	325	1.58	-	-	-	-	-	-	-	-
Kersana Kondaltiti	22,000	99.77	51	0.23	-	-	-	-	-	-	-	-
Tole	10,401	100.00	-	-	-	-	-	-	-	-	-	-
Elu	10,341	99.87	13	0.13	-	-	-	-	-	-	-	-
Dawo	13,068	100.00	-	-	-	-	-	-	-	-	-	-
Walisona Goro	35,548	99.76	46	0.13	-	-	39	0.11	-	-	-	-
Becho	11,280	99.88	14	0.12	-	-	-	-	-	-	-	-
Kokir	12,362	100.00	-	-	-	-	-	-	-	-	-	-
Meta Robi	23,553	99.64	86	0.36	-	-	-	-	-	-	-	-
North Shewa(Oromia) Zone	236,865	99.94	146	0.06	-	-	-	-	-	-	-	-
Wara Jarso	24,975	99.86	34	0.14	-	-	-	-	-	-	-	-
Dera	35,035	100.00	-	-	-	-	-	-	-	-	-	-
Hidabu Abote	15,884	100.00	-	-	-	-	-	-	-	-	-	-
Kuyu	20,090	100.00	-	-	-	-	-	-	-	-	-	-
Degem	17,915	99.88	21	0.12	-	-	-	-	-	-	-	-
Gerar Jarso	13,163	100.00	-	-	-	-	-	-	-	-	-	-
Yaya Gulelena Debre	16,566	100.00	-	-	-	-	-	-	-	-	-	-
Wuchalena Jido	22,017	100.00	-	-	-	-	-	-	-	-	-	-
Abichuna Gna'a	11,852	99.87	16	0.13	-	-	-	-	-	-	-	-
Kembibit	10,816	99.59	44	0.41	-	-	-	-	-	-	-	-
Berehna Aleltu	24,742	99.87	32	0.13	-	-	-	-	-	-	-	-
Mulona Sululta	23,810	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.21B:- Number of Crop Holders that Owned Wheelbarrow by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No Wheelbarrow		One Wheelbarrow		Two Wheelbarrows		Three Wheelbarrows		Four Wheelbarrows		Five and above Wheelbarrows	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	311,588	98.93	3,304	1.05	74	0.02	-	-	-	-	-	-
Fentale	6,677	100.00	-	-	-	-	-	-	-	-	-	-
Boset	24,535	98.78	302	1.22	-	-	-	-	-	-	-	-
Adama	26,617	98.93	263	0.98	26	0.10	-	-	-	-	-	-
Lome	14,256	97.89	308	2.11	-	-	-	-	-	-	-	-
Gimbichu	15,569	100.00	-	-	-	-	-	-	-	-	-	-
Ada'a Liben Chukala	39,985	99.52	191	0.48	-	-	-	-	-	-	-	-
Dugda Bora	28,798	99.84	46	0.16	-	-	-	-	-	-	-	-
Adami Tullu Jido	23,768	99.89	26	0.11	-	-	-	-	-	-	-	-
Arsi Negele	26,236	98.69	348	1.31	-	-	-	-	-	-	-	-
Shashemene	44,648	96.83	1,411	3.06	49	0.11	-	-	-	-	-	-
Seraro	47,832	99.22	377	0.78	-	-	-	-	-	-	-	-
Akaki	12,664	99.75	32	0.25	-	-	-	-	-	-	-	-
Arsi Zone	491,540	99.70	1,467	0.30	-	-	-	-	-	-	-	-
Merti	22,750	100.00	-	-	-	-	-	-	-	-	-	-
Aseko	14,396	100.00	-	-	-	-	-	-	-	-	-	-
Gololcha	29,178	100.00	-	-	-	-	-	-	-	-	-	-
Jeju	22,189	99.87	28	0.13	-	-	-	-	-	-	-	-
Dodotana Sire	22,840	99.79	47	0.21	-	-	-	-	-	-	-	-
Zeway Dugda	21,075	99.41	125	0.59	-	-	-	-	-	-	-	-
Hitosa	39,188	99.90	41	0.10	-	-	-	-	-	-	-	-
Sude	25,461	99.84	40	0.16	-	-	-	-	-	-	-	-
Chole	15,918	100.00	-	-	-	-	-	-	-	-	-	-
Amigna	11,151	99.78	25	0.22	-	-	-	-	-	-	-	-
Seru	18,205	100.00	-	-	-	-	-	-	-	-	-	-
Robe	27,062	100.00	-	-	-	-	-	-	-	-	-	-
Tena	20,684	100.00	-	-	-	-	-	-	-	-	-	-
Sherka	26,405	100.00	-	-	-	-	-	-	-	-	-	-
Digeluna Tijo	22,069	99.50	112	0.50	-	-	-	-	-	-	-	-
Tiyo	15,819	99.00	159	1.00	-	-	-	-	-	-	-	-
Munesa	35,171	100.00	-	-	-	-	-	-	-	-	-	-
Bekoji	35,807	99.48	188	0.52	-	-	-	-	-	-	-	-
Gedeb	24,182	97.32	665	2.68	-	-	-	-	-	-	-	-
Kofele	41,990	99.91	38	0.09	-	-	-	-	-	-	-	-
West Harerge Zone	289,370	99.32	1,920	0.66	66	0.02	-	-	-	-	-	-
Mieso	16,377	99.86	23	0.14	-	-	-	-	-	-	-	-
Doba	22,768	100.00	-	-	-	-	-	-	-	-	-	-
Tulo	24,297	99.87	32	0.13	-	-	-	-	-	-	-	-
Mesela	25,732	99.58	108	0.42	-	-	-	-	-	-	-	-
Chiro	62,208	99.74	160	0.26	-	-	-	-	-	-	-	-
Goba Koricha	20,014	100.00	-	-	-	-	-	-	-	-	-	-
Anchar	13,430	100.00	-	-	-	-	-	-	-	-	-	-
Habro	29,503	97.09	847	2.79	36	0.12	-	-	-	-	-	-
Darolebu	26,331	97.60	616	2.28	31	0.11	-	-	-	-	-	-
Boke	22,102	99.81	42	0.19	-	-	-	-	-	-	-	-
Kuni	26,609	99.66	92	0.34	-	-	-	-	-	-	-	-
East Harerge Zone	385,419	99.54	1,752	0.45	-	-	22	0.01	-	-	-	-
Kombolcha	20,259	97.82	451	2.18	-	-	-	-	-	-	-	-
Jarso	17,030	99.87	-	-	-	-	22	0.13	-	-	-	-
Gursum	25,531	99.86	36	0.14	-	-	-	-	-	-	-	-
Babile	10,184	99.48	53	0.52	-	-	-	-	-	-	-	-
Fedis	24,565	100.00	-	-	-	-	-	-	-	-	-	-
Haro Maya	30,562	97.32	842	2.68	-	-	-	-	-	-	-	-
Kurfa Chele	7,113	99.87	9	0.13	-	-	-	-	-	-	-	-
Kersa	27,745	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.21B:- Number of Crop Holders that Owned Wheelbarrow by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No Wheelbarrow		One Wheelbarrow		Two Wheelbarrows		Three Wheelbarrows		Four Wheelbarrows		Five and above Wheelbarrows	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	43,672	99.76	103	0.24	-	-	-	-	-	-	-	-
Goro Gutu	25,687	99.88	31	0.12	-	-	-	-	-	-	-	-
Deder	38,212	99.86	53	0.14	-	-	-	-	-	-	-	-
Malka Balo	24,816	99.54	114	0.46	-	-	-	-	-	-	-	-
Bedeno	43,295	99.86	61	0.14	-	-	-	-	-	-	-	-
Girawa	38,886	100.00	-	-	-	-	-	-	-	-	-	-
Gola Oda	7,861	100.00	-	-	-	-	-	-	-	-	-	-
Bale Zone	258,659	99.85	370	0.14	29	0.01	-	-	-	-	-	-
Kokosa	23,348	99.88	27	0.12	-	-	-	-	-	-	-	-
Dodola	23,597	99.78	53	0.22	-	-	-	-	-	-	-	-
Adaba	19,776	99.60	80	0.40	-	-	-	-	-	-	-	-
Agarfa	13,061	99.35	85	0.65	-	-	-	-	-	-	-	-
Gasera	12,068	99.83	20	0.17	-	-	-	-	-	-	-	-
Gololcha	14,914	100.00	-	-	-	-	-	-	-	-	-	-
Legehida	8,094	100.00	-	-	-	-	-	-	-	-	-	-
Ginir	21,653	100.00	-	-	-	-	-	-	-	-	-	-
Sinanana Dinsho	24,916	99.71	43	0.17	29	0.12	-	-	-	-	-	-
Goba	7,183	100.00	-	-	-	-	-	-	-	-	-	-
Mennana Arena Buluk	19,181	99.91	17	0.09	-	-	-	-	-	-	-	-
Nensebo	14,169	100.00	-	-	-	-	-	-	-	-	-	-
Meda Welabu	12,544	99.90	13	0.10	-	-	-	-	-	-	-	-
Berbere	10,213	100.00	-	-	-	-	-	-	-	-	-	-
Guradamole	4,160	100.00	-	-	-	-	-	-	-	-	-	-
Goro	15,911	99.86	23	0.14	-	-	-	-	-	-	-	-
Raytu	6,168	100.00	-	-	-	-	-	-	-	-	-	-
Seweyna	7,701	99.87	10	0.13	-	-	-	-	-	-	-	-
Borena Zone	282,076	99.64	1,014	0.36	14	0.00	-	-	-	-	-	-
Uraga	42,623	100.00	-	-	-	-	-	-	-	-	-	-
Bore	30,433	100.00	-	-	-	-	-	-	-	-	-	-
Adolana Wadera	22,589	99.88	27	0.12	-	-	-	-	-	-	-	-
Odo Shakiso	13,962	99.62	53	0.38	-	-	-	-	-	-	-	-
Hager Mariam	85,831	99.67	285	0.33	-	-	-	-	-	-	-	-
Yabelo	9,996	99.16	71	0.70	14	0.14	-	-	-	-	-	-
Arero	3,331	100.00	-	-	-	-	-	-	-	-	-	-
Liben	14,809	99.76	35	0.24	-	-	-	-	-	-	-	-
Moyale	10,314	96.07	422	3.93	-	-	-	-	-	-	-	-
Dire	13,628	99.34	91	0.66	-	-	-	-	-	-	-	-
Teltele	7,361	100.00	-	-	-	-	-	-	-	-	-	-
Gelana Abaya	27,199	99.89	30	0.11	-	-	-	-	-	-	-	-

Table 8.22B:- Number of Crop Holders that Owned Ass (Specifically for ploughing) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Ass		One Ass		Two Asses		Three Asses		Four Asses		Five and above Asses	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	3,976,685	99.87	3,302	0.08	1,440	0.04	104	0.00	132	0.00	41	0.00
West Welega Zone	313,738	99.94	149	0.05	36	0.01	-	-	-	-	-	-
Mana Sibu	27,022	100.00	-	-	-	-	-	-	-	-	-	-
Nejo	17,916	100.00	-	-	-	-	-	-	-	-	-	-
Gimbi	17,074	99.87	22	0.13	-	-	-	-	-	-	-	-
Lalo Asabi	10,863	99.61	14	0.13	29	0.27	-	-	-	-	-	-
Boji	15,188	100.00	-	-	-	-	-	-	-	-	-	-
Ayra Guliso	16,371	100.00	-	-	-	-	-	-	-	-	-	-
Jarso	16,190	100.00	-	-	-	-	-	-	-	-	-	-
Gidami	13,617	99.86	19	0.14	-	-	-	-	-	-	-	-
Jimma Horo	6,869	100.00	-	-	-	-	-	-	-	-	-	-
Hawa Welel	17,315	100.00	-	-	-	-	-	-	-	-	-	-
Gawo Dale	23,788	99.87	32	0.13	-	-	-	-	-	-	-	-
Dale Sadi	11,117	100.00	-	-	-	-	-	-	-	-	-	-
Yubdo	5,633	99.88	-	-	7	0.12	-	-	-	-	-	-
Ganji	9,611	100.00	-	-	-	-	-	-	-	-	-	-
Haru	11,493	99.87	15	0.13	-	-	-	-	-	-	-	-
Nole Kaba	23,388	100.00	-	-	-	-	-	-	-	-	-	-
Lalo Kilie	7,890	99.87	10	0.13	-	-	-	-	-	-	-	-
Sayo	19,844	100.00	-	-	-	-	-	-	-	-	-	-
Anfilo	11,848	100.00	-	-	-	-	-	-	-	-	-	-
Begi	30,696	99.88	38	0.12	-	-	-	-	-	-	-	-
East Welega Zone	260,242	99.75	307	0.12	313	0.12	12	0.00	-	-	19	0.01
Limu	20,394	98.57	127	0.61	169	0.82	-	-	-	-	-	-
Ibantu	5,087	100.00	-	-	-	-	-	-	-	-	-	-
Gida Kiremu	22,103	99.71	29	0.13	36	0.16	-	-	-	-	-	-
Jarte	7,363	100.00	-	-	-	-	-	-	-	-	-	-
Amuru	7,727	99.84	-	-	-	-	12	0.16	-	-	-	-
Abe Dongoro	9,470	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Horo	23,990	99.86	-	-	33	0.14	-	-	-	-	-	-
Abay Chomen	4,715	100.00	-	-	-	-	-	-	-	-	-	-
Guduru	21,494	99.88	-	-	26	0.12	-	-	-	-	-	-
Jimma Rare	7,724	99.82	-	-	14	0.18	-	-	-	-	-	-
Bila Seyo	13,398	99.47	37	0.27	35	0.26	-	-	-	-	-	-
Sibu Sire	15,187	99.89	16	0.11	-	-	-	-	-	-	-	-
Guto Wayu	28,487	100.00	-	-	-	-	-	-	-	-	-	-
Sasiga	11,334	99.89	12	0.11	-	-	-	-	-	-	-	-
Leka Dulecha	10,543	99.89	12	0.11	-	-	-	-	-	-	-	-
Diga	11,868	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Arjo	13,320	99.90	13	0.10	-	-	-	-	-	-	-	-
Nunu Kumba	10,396	99.60	42	0.40	-	-	-	-	-	-	-	-
Wama Bonaya	15,642	99.76	19	0.12	-	-	-	-	-	-	19	0.12
Illibabor Zone	195,117	99.91	95	0.05	75	0.04	-	-	-	-	-	-
Darimu	22,263	99.73	29	0.13	32	0.14	-	-	-	-	-	-
Supena Sodo	13,139	100.00	-	-	-	-	-	-	-	-	-	-
Chora	19,554	100.00	-	-	-	-	-	-	-	-	-	-
Dega	10,191	100.00	-	-	-	-	-	-	-	-	-	-
Bedele	20,486	99.87	27	0.13	-	-	-	-	-	-	-	-
Gechi	10,878	99.86	-	-	15	0.14	-	-	-	-	-	-
Borecha Wereda	9,007	99.75	12	0.13	11	0.12	-	-	-	-	-	-
Dedesa	14,033	100.00	-	-	-	-	-	-	-	-	-	-
yayu	19,201	100.00	-	-	-	-	-	-	-	-	-	-
Metu	22,625	99.89	26	0.11	-	-	-	-	-	-	-	-

Table 8.22B:- Number of Crop Holders that Owned Ass (Specifically for ploughing) by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No Ass		One Ass		Two Asses		Three Asses		Four Asses		Five and above Asses	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	17,356	100.00	-	-	-	-	-	-	-	-	-	-
Bure	11,982	99.92	-	-	10	0.08	-	-	-	-	-	-
Nono	4,404	99.84	-	-	7	0.16	-	-	-	-	-	-
Jimma Zone	443,034	99.94	245	0.06	36	0.01	-	-	-	-	-	-
Limu Seka	29,245	100.00	-	-	-	-	-	-	-	-	-	-
Limu Kosa	45,862	99.87	59	0.13	-	-	-	-	-	-	-	-
Sokoru	25,586	100.00	-	-	-	-	-	-	-	-	-	-
Tiro Afeta	24,135	100.00	-	-	-	-	-	-	-	-	-	-
Kersa	29,474	100.00	-	-	-	-	-	-	-	-	-	-
Mana	27,816	100.00	-	-	-	-	-	-	-	-	-	-
Goma	49,462	99.88	61	0.12	-	-	-	-	-	-	-	-
Gera	20,767	99.83	-	-	36	0.17	-	-	-	-	-	-
Seka chekorsa	56,356	99.88	66	0.12	-	-	-	-	-	-	-	-
Dedo	53,976	99.89	59	0.11	-	-	-	-	-	-	-	-
Omonada	45,972	100.00	-	-	-	-	-	-	-	-	-	-
Sigmo	16,132	100.00	-	-	-	-	-	-	-	-	-	-
Setema	18,249	100.00	-	-	-	-	-	-	-	-	-	-
West Shewa Zone	502,159	99.91	201	0.04	196	0.04	-	-	35	0.01	-	-
Ginde Beret	33,630	100.00	-	-	-	-	-	-	-	-	-	-
Jeldu	33,661	99.88	-	-	40	0.12	-	-	-	-	-	-
Ambo	40,077	99.89	-	-	45	0.11	-	-	-	-	-	-
Cheliya	37,011	100.00	-	-	-	-	-	-	-	-	-	-
Bako Tibe	19,346	99.78	-	-	43	0.22	-	-	-	-	-	-
Dano	15,544	100.00	-	-	-	-	-	-	-	-	-	-
Nono	23,105	99.85	-	-	-	-	-	-	35	0.15	-	-
Tikur	12,564	99.75	32	0.25	-	-	-	-	-	-	-	-
Amaya	21,917	99.88	26	0.12	-	-	-	-	-	-	-	-
Wonchi	17,405	100.00	-	-	-	-	-	-	-	-	-	-
Dendi	37,106	100.00	-	-	-	-	-	-	-	-	-	-
Ejerie	15,219	100.00	-	-	-	-	-	-	-	-	-	-
Adda Berga	19,302	100.00	-	-	-	-	-	-	-	-	-	-
Walmara	17,073	100.00	-	-	-	-	-	-	-	-	-	-
Alem Gana	20,553	99.74	27	0.13	27	0.13	-	-	-	-	-	-
Kersana Kondaltiti	22,023	99.87	-	-	28	0.13	-	-	-	-	-	-
Tole	10,374	99.74	27	0.26	-	-	-	-	-	-	-	-
Elu	10,354	100.00	-	-	-	-	-	-	-	-	-	-
Dawo	13,068	100.00	-	-	-	-	-	-	-	-	-	-
Walisona Goro	35,633	100.00	-	-	-	-	-	-	-	-	-	-
Becho	11,242	99.54	40	0.35	12	0.11	-	-	-	-	-	-
Kokir	12,313	99.60	49	0.40	-	-	-	-	-	-	-	-
Meta Robi	23,639	100.00	-	-	-	-	-	-	-	-	-	-
North Shewa(Oromia) Zone	236,757	99.89	72	0.03	182	0.08	-	-	-	-	-	-
Wara Jarso	25,009	100.00	-	-	-	-	-	-	-	-	-	-
Dera	35,035	100.00	-	-	-	-	-	-	-	-	-	-
Hidabu Abote	15,884	100.00	-	-	-	-	-	-	-	-	-	-
Kuyu	20,040	99.75	-	-	50	0.25	-	-	-	-	-	-
Degem	17,911	99.86	25	0.14	-	-	-	-	-	-	-	-
Gerar Jarso	13,091	99.45	17	0.13	55	0.42	-	-	-	-	-	-
Yaya Gulelena Debre	16,491	99.55	29	0.18	46	0.28	-	-	-	-	-	-
Wuchalena Jido	22,017	100.00	-	-	-	-	-	-	-	-	-	-
Abichuna Gna'a	11,837	99.74	-	-	31	0.26	-	-	-	-	-	-
Kembibit	10,860	100.00	-	-	-	-	-	-	-	-	-	-
Berehna Aleltu	24,774	100.00	-	-	-	-	-	-	-	-	-	-
Mulona Sululta	23,810	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.22:- Number of Crop Holders that Owned Ass (Specifically for ploughing) by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No Ass		One Ass		Two Asses		Three Asses		Four Asses		Five and above Asses	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	314,580	99.88	167	0.05	121	0.04	19	0.01	79	0.03	-	-
Fentale	6,677	100.00	-	-	-	-	-	-	-	-	-	-
Boset	24,837	100.00	-	-	-	-	-	-	-	-	-	-
Adama	26,906	100.00	-	-	-	-	-	-	-	-	-	-
Lome	14,545	99.87	-	-	-	-	19	0.13	-	-	-	-
Gimbichu	15,553	99.90	-	-	16	0.10	-	-	-	-	-	-
Ada'a Liben Chukala	40,176	100.00	-	-	-	-	-	-	-	-	-	-
Dugda Bora	28,571	99.05	154	0.53	40	0.14	-	-	79	0.27	-	-
Adami Tullu Jido	23,794	100.00	-	-	-	-	-	-	-	-	-	-
Arsi Negele	26,584	100.00	-	-	-	-	-	-	-	-	-	-
Shashemene	46,108	100.00	-	-	-	-	-	-	-	-	-	-
Seraro	48,144	99.87	-	-	65	0.13	-	-	-	-	-	-
Akaki	12,682	99.89	14	0.11	-	-	-	-	-	-	-	-
Arsi Zone	492,002	99.80	614	0.12	345	0.07	24	0.00	-	-	22	0.00
Merti	22,750	100.00	-	-	-	-	-	-	-	-	-	-
Aseko	14,396	100.00	-	-	-	-	-	-	-	-	-	-
Gololcha	29,145	99.89	33	0.11	-	-	-	-	-	-	-	-
Jeju	22,193	99.89	-	-	-	-	24	0.11	-	-	-	-
Dodotana Sire	22,733	99.33	65	0.28	89	0.39	-	-	-	-	-	-
Zeway Dugda	21,176	99.89	24	0.11	-	-	-	-	-	-	-	-
Hitosa	39,229	100.00	-	-	-	-	-	-	-	-	-	-
Sude	25,501	100.00	-	-	-	-	-	-	-	-	-	-
Chole	15,880	99.76	38	0.24	-	-	-	-	-	-	-	-
Amigna	11,103	99.35	42	0.38	31	0.28	-	-	-	-	-	-
Seru	18,184	99.88	21	0.12	-	-	-	-	-	-	-	-
Robe	27,062	100.00	-	-	-	-	-	-	-	-	-	-
Tena	20,637	99.77	25	0.12	22	0.11	-	-	-	-	-	-
Sherka	26,405	100.00	-	-	-	-	-	-	-	-	-	-
Digeluna Tijo	22,158	99.90	23	0.10	-	-	-	-	-	-	-	-
Tiyo	15,735	98.48	101	0.63	120	0.75	-	-	-	-	22	0.14
Munesa	35,171	100.00	-	-	-	-	-	-	-	-	-	-
Bekoji	35,949	99.87	46	0.13	-	-	-	-	-	-	-	-
Gedeb	24,570	98.89	195	0.78	82	0.33	-	-	-	-	-	-
Kofele	42,028	100.00	-	-	-	-	-	-	-	-	-	-
West Harerge Zone	290,878	99.84	449	0.15	29	0.01	-	-	-	-	-	-
Mieso	16,400	100.00	-	-	-	-	-	-	-	-	-	-
Doba	22,631	99.40	137	0.60	-	-	-	-	-	-	-	-
Tulo	24,294	99.86	35	0.14	-	-	-	-	-	-	-	-
Mesela	25,806	99.87	34	0.13	-	-	-	-	-	-	-	-
Chiro	62,368	100.00	-	-	-	-	-	-	-	-	-	-
Goba Koricha	19,956	99.71	29	0.14	29	0.14	-	-	-	-	-	-
Anchar	13,414	99.88	16	0.12	-	-	-	-	-	-	-	-
Habro	30,350	99.88	36	0.12	-	-	-	-	-	-	-	-
Darolebu	26,848	99.52	130	0.48	-	-	-	-	-	-	-	-
Boke	22,144	100.00	-	-	-	-	-	-	-	-	-	-
Kuni	26,668	99.88	33	0.12	-	-	-	-	-	-	-	-
East Harerge Zone	386,595	99.85	545	0.14	53	0.01	-	-	-	-	-	-
Kombolcha	20,710	100.00	-	-	-	-	-	-	-	-	-	-
Jarso	16,940	99.34	112	0.66	-	-	-	-	-	-	-	-
Gursum	25,534	99.87	33	0.13	-	-	-	-	-	-	-	-
Babile	10,237	100.00	-	-	-	-	-	-	-	-	-	-
Fedis	24,550	99.94	-	-	15	0.06	-	-	-	-	-	-
Haro Maya	31,404	100.00	-	-	-	-	-	-	-	-	-	-
Kurfa Chele	7,112	99.86	10	0.14	-	-	-	-	-	-	-	-
Kersa	27,745	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.22B:- Number of Crop Holders that Owned Ass (Specifically for ploughing) by Geographic area. (Continued.)

eographic area	Number of Crop holders that owned											
	No Ass		One Ass		Two Asses		Three Asses		Four Asses		Five and above Asses	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	43,712	99.86	63	0.14	-	-	-	-	-	-	-	-
Goro Gutu	25,422	98.85	258	1.00	38	0.15	-	-	-	-	-	-
Deder	38,265	100.00	-	-	-	-	-	-	-	-	-	-
Malka Balo	24,930	100.00	-	-	-	-	-	-	-	-	-	-
Bedeno	43,295	99.86	61	0.14	-	-	-	-	-	-	-	-
Girawa	38,886	100.00	-	-	-	-	-	-	-	-	-	-
Gola Oda	7,854	99.91	7	0.09	-	-	-	-	-	-	-	-
Bale Zone	258,598	99.82	391	0.15	51	0.02	-	-	18	0.01	-	-
Kokosa	23,375	100.00	-	-	-	-	-	-	-	-	-	-
Dodola	23,590	99.75	60	0.25	-	-	-	-	-	-	-	-
Adaba	19,856	100.00	-	-	-	-	-	-	-	-	-	-
Agarfa	13,146	100.00	-	-	-	-	-	-	-	-	-	-
Gasera	12,070	99.85	-	-	-	-	-	-	18	0.15	-	-
Gololcha	14,878	99.76	18	0.12	18	0.12	-	-	-	-	-	-
Legehida	8,094	100.00	-	-	-	-	-	-	-	-	-	-
Ginir	21,625	99.87	28	0.13	-	-	-	-	-	-	-	-
Sinanana Dinsho	24,988	100.00	-	-	-	-	-	-	-	-	-	-
Goba	7,165	99.75	-	-	18	0.25	-	-	-	-	-	-
Mennana Arena Buluk	19,151	99.76	47	0.24	-	-	-	-	-	-	-	-
Nensebo	14,154	99.89	-	-	15	0.11	-	-	-	-	-	-
Meda Welabu	12,557	100.00	-	-	-	-	-	-	-	-	-	-
Berbere	10,213	100.00	-	-	-	-	-	-	-	-	-	-
Guradamole	4,160	100.00	-	-	-	-	-	-	-	-	-	-
Goro	15,934	100.00	-	-	-	-	-	-	-	-	-	-
Raytu	5,930	96.14	238	3.86	-	-	-	-	-	-	-	-
Seweyna	7,711	100.00	-	-	-	-	-	-	-	-	-	-
Borena Zone	282,986	99.96	66	0.02	3	0.00	49	0.02	-	-	-	-
Uraga	42,574	99.89	-	-	-	-	49	0.11	-	-	-	-
Bore	30,433	100.00	-	-	-	-	-	-	-	-	-	-
Adolana Wadera	22,616	100.00	-	-	-	-	-	-	-	-	-	-
Odo Shakiso	14,015	100.00	-	-	-	-	-	-	-	-	-	-
Hager Mariam	86,116	100.00	-	-	-	-	-	-	-	-	-	-
Yabelo	10,067	99.86	14	0.14	-	-	-	-	-	-	-	-
Arero	3,328	99.91	-	-	3	0.09	-	-	-	-	-	-
Liben	14,844	100.00	-	-	-	-	-	-	-	-	-	-
Moyale	10,690	99.57	46	0.43	-	-	-	-	-	-	-	-
Dire	13,719	100.00	-	-	-	-	-	-	-	-	-	-
Teltele	7,355	99.92	6	0.08	-	-	-	-	-	-	-	-
Gelana Abaya	27,229	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.23B:- Number of Crop Holders that Owned Camel (Specifically for ploughing) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Camel		One Camel		Two Camels		Three Camels		Four Camels		Five and above Camels	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	3,981,633	100.00	71	0.00	-	-	-	-	-	-	-	-
West Welega Zone	313,923	100.00	-	-	-	-	-	-	-	-	-	-
Mana Sibu	27,022	100.00	-	-	-	-	-	-	-	-	-	-
Nejo	17,916	100.00	-	-	-	-	-	-	-	-	-	-
Gimbi	17,096	100.00	-	-	-	-	-	-	-	-	-	-
Lalo Asabi	10,906	100.00	-	-	-	-	-	-	-	-	-	-
Boji	15,188	100.00	-	-	-	-	-	-	-	-	-	-
Ayra Guliso	16,371	100.00	-	-	-	-	-	-	-	-	-	-
Jarso	16,190	100.00	-	-	-	-	-	-	-	-	-	-
Gidami	13,636	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Horo	6,869	100.00	-	-	-	-	-	-	-	-	-	-
Hawa Welel	17,315	100.00	-	-	-	-	-	-	-	-	-	-
Gawo Dale	23,820	100.00	-	-	-	-	-	-	-	-	-	-
Dale Sadi	11,117	100.00	-	-	-	-	-	-	-	-	-	-
Yubdo	5,640	100.00	-	-	-	-	-	-	-	-	-	-
Ganji	9,611	100.00	-	-	-	-	-	-	-	-	-	-
Haru	11,508	100.00	-	-	-	-	-	-	-	-	-	-
Nole Kaba	23,388	100.00	-	-	-	-	-	-	-	-	-	-
Lalo Kilie	7,900	100.00	-	-	-	-	-	-	-	-	-	-
Sayo	19,844	100.00	-	-	-	-	-	-	-	-	-	-
Anfilo	11,848	100.00	-	-	-	-	-	-	-	-	-	-
Begi	30,734	100.00	-	-	-	-	-	-	-	-	-	-
East Welega Zone	260,893	100.00	-	-	-	-	-	-	-	-	-	-
Limu	20,690	100.00	-	-	-	-	-	-	-	-	-	-
Ibantu	5,087	100.00	-	-	-	-	-	-	-	-	-	-
Gida Kiremu	22,168	100.00	-	-	-	-	-	-	-	-	-	-
Jarte	7,363	100.00	-	-	-	-	-	-	-	-	-	-
Amuru	7,739	100.00	-	-	-	-	-	-	-	-	-	-
Abe Dongoro	9,470	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Horo	24,023	100.00	-	-	-	-	-	-	-	-	-	-
Abay Chomen	4,715	100.00	-	-	-	-	-	-	-	-	-	-
Guduru	21,520	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Rare	7,738	100.00	-	-	-	-	-	-	-	-	-	-
Bila Seyo	13,470	100.00	-	-	-	-	-	-	-	-	-	-
Sibu Sire	15,203	100.00	-	-	-	-	-	-	-	-	-	-
Guto Wayu	28,487	100.00	-	-	-	-	-	-	-	-	-	-
Sasiga	11,346	100.00	-	-	-	-	-	-	-	-	-	-
Leka Dulecha	10,555	100.00	-	-	-	-	-	-	-	-	-	-
Diga	11,868	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Arjo	13,333	100.00	-	-	-	-	-	-	-	-	-	-
Nunu Kumba	10,438	100.00	-	-	-	-	-	-	-	-	-	-
Wama Bonaya	15,680	100.00	-	-	-	-	-	-	-	-	-	-
Illibabor Zone	195,287	100.00	-	-	-	-	-	-	-	-	-	-
Darimu	22,324	100.00	-	-	-	-	-	-	-	-	-	-
Supena Sodo	13,139	100.00	-	-	-	-	-	-	-	-	-	-
Chora	19,554	100.00	-	-	-	-	-	-	-	-	-	-
Dega	10,191	100.00	-	-	-	-	-	-	-	-	-	-
Bedele	20,513	100.00	-	-	-	-	-	-	-	-	-	-
Gechi	10,893	100.00	-	-	-	-	-	-	-	-	-	-
Borecha Wereda	9,030	100.00	-	-	-	-	-	-	-	-	-	-
Dedesa	14,033	100.00	-	-	-	-	-	-	-	-	-	-
yayu	19,201	100.00	-	-	-	-	-	-	-	-	-	-
Metu	22,651	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.23B:- Number of Crop Holders that Owned Camel (Specifically for ploughing) by Geographic Area.(Continued.)

Geographic area	Number of Crop holders that owned											
	No Camel		One Camel		Two Camels		Three Camels		Four Camels		Five and above Camels	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	17,356	100.00	-	-	-	-	-	-	-	-	-	-
Bure	11,992	100.00	-	-	-	-	-	-	-	-	-	-
Nono	4,411	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Zone	443,315	100.00	-	-	-	-	-	-	-	-	-	-
Limu Seka	29,245	100.00	-	-	-	-	-	-	-	-	-	-
Limu Kosa	45,921	100.00	-	-	-	-	-	-	-	-	-	-
Sokoru	25,586	100.00	-	-	-	-	-	-	-	-	-	-
Tiro Afeta	24,135	100.00	-	-	-	-	-	-	-	-	-	-
Kersa	29,474	100.00	-	-	-	-	-	-	-	-	-	-
Mana	27,816	100.00	-	-	-	-	-	-	-	-	-	-
Goma	49,523	100.00	-	-	-	-	-	-	-	-	-	-
Gera	20,803	100.00	-	-	-	-	-	-	-	-	-	-
Seka chekorsa	56,422	100.00	-	-	-	-	-	-	-	-	-	-
Dedo	54,035	100.00	-	-	-	-	-	-	-	-	-	-
Omonada	45,972	100.00	-	-	-	-	-	-	-	-	-	-
Sigmo	16,132	100.00	-	-	-	-	-	-	-	-	-	-
Setema	18,249	100.00	-	-	-	-	-	-	-	-	-	-
West Shewa Zone	502,591	100.00	-	-	-	-	-	-	-	-	-	-
Ginde Beret	33,630	100.00	-	-	-	-	-	-	-	-	-	-
Jeldu	33,701	100.00	-	-	-	-	-	-	-	-	-	-
Ambo	40,122	100.00	-	-	-	-	-	-	-	-	-	-
Cheliya	37,011	100.00	-	-	-	-	-	-	-	-	-	-
Bako Tibe	19,389	100.00	-	-	-	-	-	-	-	-	-	-
Dano	15,544	100.00	-	-	-	-	-	-	-	-	-	-
Nono	23,140	100.00	-	-	-	-	-	-	-	-	-	-
Tikur	12,596	100.00	-	-	-	-	-	-	-	-	-	-
Amaya	21,943	100.00	-	-	-	-	-	-	-	-	-	-
Wonchi	17,405	100.00	-	-	-	-	-	-	-	-	-	-
Dendi	37,106	100.00	-	-	-	-	-	-	-	-	-	-
Ejerie	15,219	100.00	-	-	-	-	-	-	-	-	-	-
Adda Berga	19,302	100.00	-	-	-	-	-	-	-	-	-	-
Walmara	17,073	100.00	-	-	-	-	-	-	-	-	-	-
Alem Gana	20,607	100.00	-	-	-	-	-	-	-	-	-	-
Kersana Kondaltiti	22,051	100.00	-	-	-	-	-	-	-	-	-	-
Tole	10,401	100.00	-	-	-	-	-	-	-	-	-	-
Elu	10,354	100.00	-	-	-	-	-	-	-	-	-	-
Dawo	13,068	100.00	-	-	-	-	-	-	-	-	-	-
Walisona Goro	35,633	100.00	-	-	-	-	-	-	-	-	-	-
Becho	11,294	100.00	-	-	-	-	-	-	-	-	-	-
Kokir	12,362	100.00	-	-	-	-	-	-	-	-	-	-
Meta Robi	23,639	100.00	-	-	-	-	-	-	-	-	-	-
North Shewa(Oromia) Zone	237,011	100.00	-	-	-	-	-	-	-	-	-	-
Wara Jarso	25,009	100.00	-	-	-	-	-	-	-	-	-	-
Dera	35,035	100.00	-	-	-	-	-	-	-	-	-	-
Hidabu Abote	15,884	100.00	-	-	-	-	-	-	-	-	-	-
Kuyu	20,090	100.00	-	-	-	-	-	-	-	-	-	-
Degem	17,936	100.00	-	-	-	-	-	-	-	-	-	-
Gerar Jarso	13,163	100.00	-	-	-	-	-	-	-	-	-	-
Yaya Gulelena Debre	16,566	100.00	-	-	-	-	-	-	-	-	-	-
Wuchalena Jido	22,017	100.00	-	-	-	-	-	-	-	-	-	-
Abichuna Gna'a	11,868	100.00	-	-	-	-	-	-	-	-	-	-
Kembibit	10,860	100.00	-	-	-	-	-	-	-	-	-	-
Berehna Aleltu	24,774	100.00	-	-	-	-	-	-	-	-	-	-
Mulona Sululta	23,810	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.23B:- Number of Crop Holders that Owned Camel (Specifically for ploughing) by Geographic area. (Contin...)

Geographic area	Number of Crop holders that owned											
	No Camel		One Camel		Two Camels		Three Camels		Four Camels		Five and above Camels	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	314,966	100.00	-	-	-	-	-	-	-	-	-	-
Fentale	6,677	100.00	-	-	-	-	-	-	-	-	-	-
Boset	24,837	100.00	-	-	-	-	-	-	-	-	-	-
Adama	26,906	100.00	-	-	-	-	-	-	-	-	-	-
Lome	14,564	100.00	-	-	-	-	-	-	-	-	-	-
Gimbichu	15,569	100.00	-	-	-	-	-	-	-	-	-	-
Ada'a Liben Chukala	40,176	100.00	-	-	-	-	-	-	-	-	-	-
Dugda Bora	28,844	100.00	-	-	-	-	-	-	-	-	-	-
Adami Tullu Jido	23,794	100.00	-	-	-	-	-	-	-	-	-	-
Arsi Negele	26,584	100.00	-	-	-	-	-	-	-	-	-	-
Shashemene	46,108	100.00	-	-	-	-	-	-	-	-	-	-
Seraro	48,209	100.00	-	-	-	-	-	-	-	-	-	-
Akaki	12,696	100.00	-	-	-	-	-	-	-	-	-	-
Arsi Zone	493,007	100.00	-	-	-	-	-	-	-	-	-	-
Merti	22,750	100.00	-	-	-	-	-	-	-	-	-	-
Aseko	14,396	100.00	-	-	-	-	-	-	-	-	-	-
Gololcha	29,178	100.00	-	-	-	-	-	-	-	-	-	-
Jeju	22,217	100.00	-	-	-	-	-	-	-	-	-	-
Dodotana Sire	22,887	100.00	-	-	-	-	-	-	-	-	-	-
Zeway Dugda	21,200	100.00	-	-	-	-	-	-	-	-	-	-
Hitosa	39,229	100.00	-	-	-	-	-	-	-	-	-	-
Sude	25,501	100.00	-	-	-	-	-	-	-	-	-	-
Chole	15,918	100.00	-	-	-	-	-	-	-	-	-	-
Amigna	11,176	100.00	-	-	-	-	-	-	-	-	-	-
Seru	18,205	100.00	-	-	-	-	-	-	-	-	-	-
Robe	27,062	100.00	-	-	-	-	-	-	-	-	-	-
Tena	20,684	100.00	-	-	-	-	-	-	-	-	-	-
Sherka	26,405	100.00	-	-	-	-	-	-	-	-	-	-
Digeluna Tijo	22,181	100.00	-	-	-	-	-	-	-	-	-	-
Tiyo	15,978	100.00	-	-	-	-	-	-	-	-	-	-
Munesa	35,171	100.00	-	-	-	-	-	-	-	-	-	-
Bekoji	35,995	100.00	-	-	-	-	-	-	-	-	-	-
Gedeb	24,847	100.00	-	-	-	-	-	-	-	-	-	-
Kofele	42,028	100.00	-	-	-	-	-	-	-	-	-	-
West Harerge Zone	291,356	100.00	-	-	-	-	-	-	-	-	-	-
Mieso	16,400	100.00	-	-	-	-	-	-	-	-	-	-
Doba	22,768	100.00	-	-	-	-	-	-	-	-	-	-
Tulo	24,329	100.00	-	-	-	-	-	-	-	-	-	-
Mesela,	25,840	100.00	-	-	-	-	-	-	-	-	-	-
Chiro	62,368	100.00	-	-	-	-	-	-	-	-	-	-
Goba Koricha	20,014	100.00	-	-	-	-	-	-	-	-	-	-
Anchar	13,430	100.00	-	-	-	-	-	-	-	-	-	-
Habro	30,386	100.00	-	-	-	-	-	-	-	-	-	-
Darolebu	26,978	100.00	-	-	-	-	-	-	-	-	-	-
Boke	22,144	100.00	-	-	-	-	-	-	-	-	-	-
Kuni	26,701	100.00	-	-	-	-	-	-	-	-	-	-
East Harerge Zone	387,193	100.00	-	-	-	-	-	-	-	-	-	-
Kombolcha	20,710	100.00	-	-	-	-	-	-	-	-	-	-
Jarso	17,052	100.00	-	-	-	-	-	-	-	-	-	-
Gursum	25,567	100.00	-	-	-	-	-	-	-	-	-	-
Babile	10,237	100.00	-	-	-	-	-	-	-	-	-	-
Fedis	24,565	100.00	-	-	-	-	-	-	-	-	-	-
Haro Maya	31,404	100.00	-	-	-	-	-	-	-	-	-	-
Kurfa Chele	7,122	100.00	-	-	-	-	-	-	-	-	-	-
Kersa	27,745	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.23B:- Number of Crop Holders that Owned Camel (Specifically for ploughing) by Geographic area. (Contin...)

Geographic area	Number of Crop holders that owned											
	No Camel		One Camel		Two Camels		Three Camels		Four Camels		Five and above Camels	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	43,775	100.00	-	-	-	-	-	-	-	-	-	-
Goro Gutu	25,718	100.00	-	-	-	-	-	-	-	-	-	-
Deder	38,265	100.00	-	-	-	-	-	-	-	-	-	-
Malka Balo	24,930	100.00	-	-	-	-	-	-	-	-	-	-
Bedeno	43,356	100.00	-	-	-	-	-	-	-	-	-	-
Girawa	38,886	100.00	-	-	-	-	-	-	-	-	-	-
Gola Oda	7,861	100.00	-	-	-	-	-	-	-	-	-	-
Bale Zone	259,024	99.99	34	0.01	-	-	-	-	-	-	-	-
Kokosa	23,375	100.00	-	-	-	-	-	-	-	-	-	-
Dodola	23,650	100.00	-	-	-	-	-	-	-	-	-	-
Adaba	19,856	100.00	-	-	-	-	-	-	-	-	-	-
Agarfa	13,146	100.00	-	-	-	-	-	-	-	-	-	-
Gasera	12,088	100.00	-	-	-	-	-	-	-	-	-	-
Gololcha	14,914	100.00	-	-	-	-	-	-	-	-	-	-
Legehida	8,094	100.00	-	-	-	-	-	-	-	-	-	-
Ginir	21,653	100.00	-	-	-	-	-	-	-	-	-	-
Sinanana Dinsho	24,988	100.00	-	-	-	-	-	-	-	-	-	-
Goba	7,183	100.00	-	-	-	-	-	-	-	-	-	-
Mennana Arena Buluk	19,198	100.00	-	-	-	-	-	-	-	-	-	-
Nensebo	14,169	100.00	-	-	-	-	-	-	-	-	-	-
Meda Welabu	12,557	100.00	-	-	-	-	-	-	-	-	-	-
Berbere	10,213	100.00	-	-	-	-	-	-	-	-	-	-
Guradamole	4,160	100.00	-	-	-	-	-	-	-	-	-	-
Goro	15,934	100.00	-	-	-	-	-	-	-	-	-	-
Raytu	6,134	99.45	34	0.55	-	-	-	-	-	-	-	-
Seweyna	7,711	100.00	-	-	-	-	-	-	-	-	-	-
Borena Zone	283,067	99.99	37	0.01	-	-	-	-	-	-	-	-
Uraga	42,623	100.00	-	-	-	-	-	-	-	-	-	-
Bore	30,433	100.00	-	-	-	-	-	-	-	-	-	-
Adolana Wadera	22,616	100.00	-	-	-	-	-	-	-	-	-	-
Odo Shakiso	14,015	100.00	-	-	-	-	-	-	-	-	-	-
Hager Mariam	86,116	100.00	-	-	-	-	-	-	-	-	-	-
Yabelo	10,044	99.63	37	0.37	-	-	-	-	-	-	-	-
Arero	3,331	100.00	-	-	-	-	-	-	-	-	-	-
Liben	14,844	100.00	-	-	-	-	-	-	-	-	-	-
Moyale	10,736	100.00	-	-	-	-	-	-	-	-	-	-
Dire	13,719	100.00	-	-	-	-	-	-	-	-	-	-
Teltele	7,361	100.00	-	-	-	-	-	-	-	-	-	-
Gelana Abaya	27,229	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.24B:- Number of Crop Holders that Owned Horse (Specifically for ploughing) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Horse		One Horse		Two Horses		Three Horses		Four Horses		Five and above Horses	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	3,981,371	99.99	211	0.01	90	0.00	-	-	32	0.00	-	-
West Welega Zone	313,833	99.97	65	0.02	25	0.01	-	-	-	-	-	-
Mana Sibu	27,022	100.00	-	-	-	-	-	-	-	-	-	-
Nejo	17,916	100.00	-	-	-	-	-	-	-	-	-	-
Gimbi	17,096	100.00	-	-	-	-	-	-	-	-	-	-
Lalo Asabi	10,906	100.00	-	-	-	-	-	-	-	-	-	-
Boji	15,188	100.00	-	-	-	-	-	-	-	-	-	-
Ayra Guliso	16,352	99.88	-	-	19	0.12	-	-	-	-	-	-
Jarso	16,150	99.75	40	0.25	-	-	-	-	-	-	-	-
Gidami	13,636	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Horo	6,869	100.00	-	-	-	-	-	-	-	-	-	-
Hawa Welel	17,315	100.00	-	-	-	-	-	-	-	-	-	-
Gawo Dale	23,820	100.00	-	-	-	-	-	-	-	-	-	-
Dale Sadi	11,117	100.00	-	-	-	-	-	-	-	-	-	-
Yubdo	5,634	99.89	-	-	6	0.11	-	-	-	-	-	-
Ganji	9,611	100.00	-	-	-	-	-	-	-	-	-	-
Haru	11,508	100.00	-	-	-	-	-	-	-	-	-	-
Nole Kaba	23,388	100.00	-	-	-	-	-	-	-	-	-	-
Lalo Kilie	7,900	100.00	-	-	-	-	-	-	-	-	-	-
Sayo	19,819	99.87	25	0.13	-	-	-	-	-	-	-	-
Anfilo	11,848	100.00	-	-	-	-	-	-	-	-	-	-
Begi	30,734	100.00	-	-	-	-	-	-	-	-	-	-
East Welega Zone	260,775	99.95	100	0.04	-	-	-	-	18	0.01	-	-
Limu	20,648	99.80	42	0.20	-	-	-	-	-	-	-	-
Ibantu	5,087	100.00	-	-	-	-	-	-	-	-	-	-
Gida Kiremu	22,168	100.00	-	-	-	-	-	-	-	-	-	-
Jarte	7,363	100.00	-	-	-	-	-	-	-	-	-	-
Amuru	7,739	100.00	-	-	-	-	-	-	-	-	-	-
Abe Dongoro	9,470	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Horo	24,023	100.00	-	-	-	-	-	-	-	-	-	-
Abay Chomen	4,715	100.00	-	-	-	-	-	-	-	-	-	-
Guduru	21,520	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Rare	7,738	100.00	-	-	-	-	-	-	-	-	-	-
Bila Seyo	13,470	100.00	-	-	-	-	-	-	-	-	-	-
Sibu Sire	15,181	99.86	22	0.14	-	-	-	-	-	-	-	-
Guto Wayu	28,487	100.00	-	-	-	-	-	-	-	-	-	-
Sasiga	11,346	100.00	-	-	-	-	-	-	-	-	-	-
Leka Dulecha	10,555	100.00	-	-	-	-	-	-	-	-	-	-
Diga	11,868	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Arjo	13,280	99.60	35	0.26	-	-	-	-	18	0.14	-	-
Nunu Kumba	10,438	100.00	-	-	-	-	-	-	-	-	-	-
Wama Bonaya	15,680	100.00	-	-	-	-	-	-	-	-	-	-
Illibabor Zone	195,287	100.00	-	-	-	-	-	-	-	-	-	-
Darimu	22,324	100.00	-	-	-	-	-	-	-	-	-	-
Supena Sodo	13,139	100.00	-	-	-	-	-	-	-	-	-	-
Chora	19,554	100.00	-	-	-	-	-	-	-	-	-	-
Dega	10,191	100.00	-	-	-	-	-	-	-	-	-	-
Bedele	20,513	100.00	-	-	-	-	-	-	-	-	-	-
Gechi	10,893	100.00	-	-	-	-	-	-	-	-	-	-
Borecha Wereda	9,030	100.00	-	-	-	-	-	-	-	-	-	-
Dedesa	14,033	100.00	-	-	-	-	-	-	-	-	-	-
yayu	19,201	100.00	-	-	-	-	-	-	-	-	-	-
Metu	22,651	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.24B:- Number of Crop Holders that Owned Horse (Specifically for ploughing) by Geographic area. (Contin...)

Geographic area	Number of Crop holders that owned											
	No Horse		One Horse		Two Horses		Three Horses		Four Horses		Five and above Horses	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	17,356	100.00	-	-	-	-	-	-	-	-	-	-
Bure	11,992	100.00	-	-	-	-	-	-	-	-	-	-
Nono	4,411	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Zone	443,315	100.00	-	-	-	-	-	-	-	-	-	-
Limu Seka	29,245	100.00	-	-	-	-	-	-	-	-	-	-
Limu Kosa	45,921	100.00	-	-	-	-	-	-	-	-	-	-
Sokoru	25,586	100.00	-	-	-	-	-	-	-	-	-	-
Tiro Afeta	24,135	100.00	-	-	-	-	-	-	-	-	-	-
Kersa	29,474	100.00	-	-	-	-	-	-	-	-	-	-
Mana	27,816	100.00	-	-	-	-	-	-	-	-	-	-
Goma	49,523	100.00	-	-	-	-	-	-	-	-	-	-
Gera	20,803	100.00	-	-	-	-	-	-	-	-	-	-
Seka chekorsa	56,422	100.00	-	-	-	-	-	-	-	-	-	-
Dedo	54,035	100.00	-	-	-	-	-	-	-	-	-	-
Omonada	45,972	100.00	-	-	-	-	-	-	-	-	-	-
Sigmo	16,132	100.00	-	-	-	-	-	-	-	-	-	-
Setema	18,249	100.00	-	-	-	-	-	-	-	-	-	-
West Shewa Zone	502,576	100.00	-	-	-	-	-	-	15	0.00	-	-
Ginde Beret	33,630	100.00	-	-	-	-	-	-	-	-	-	-
Jeldu	33,701	100.00	-	-	-	-	-	-	-	-	-	-
Ambo	40,122	100.00	-	-	-	-	-	-	-	-	-	-
Cheliya	37,011	100.00	-	-	-	-	-	-	-	-	-	-
Bako Tibe	19,389	100.00	-	-	-	-	-	-	-	-	-	-
Dano	15,544	100.00	-	-	-	-	-	-	-	-	-	-
Nono	23,140	100.00	-	-	-	-	-	-	-	-	-	-
Tikur	12,596	100.00	-	-	-	-	-	-	-	-	-	-
Amaya	21,943	100.00	-	-	-	-	-	-	-	-	-	-
Wonchi	17,405	100.00	-	-	-	-	-	-	-	-	-	-
Dendi	37,106	100.00	-	-	-	-	-	-	-	-	-	-
Ejerie	15,219	100.00	-	-	-	-	-	-	-	-	-	-
Adda Berga	19,302	100.00	-	-	-	-	-	-	-	-	-	-
Walmara	17,073	100.00	-	-	-	-	-	-	-	-	-	-
Alem Gana	20,607	100.00	-	-	-	-	-	-	-	-	-	-
Kersana Kondaltiti	22,051	100.00	-	-	-	-	-	-	-	-	-	-
Tole	10,401	100.00	-	-	-	-	-	-	-	-	-	-
Flu	10,354	100.00	-	-	-	-	-	-	-	-	-	-
Dawo	13,053	99.89	-	-	-	-	-	-	15	0.11	-	-
Walisona Goro	35,633	100.00	-	-	-	-	-	-	-	-	-	-
Becho	11,294	100.00	-	-	-	-	-	-	-	-	-	-
Kokir	12,362	100.00	-	-	-	-	-	-	-	-	-	-
Meta Robi	23,639	100.00	-	-	-	-	-	-	-	-	-	-
North Shewa(Oromia) Zone	237,011	100.00	-	-	-	-	-	-	-	-	-	-
Wara Jarso	25,009	100.00	-	-	-	-	-	-	-	-	-	-
Dera	35,035	100.00	-	-	-	-	-	-	-	-	-	-
Hidabu Abote	15,884	100.00	-	-	-	-	-	-	-	-	-	-
Kuyu	20,090	100.00	-	-	-	-	-	-	-	-	-	-
Degem	17,936	100.00	-	-	-	-	-	-	-	-	-	-
Gerar Jarso	13,163	100.00	-	-	-	-	-	-	-	-	-	-
Yaya Gulelena Debre	16,566	100.00	-	-	-	-	-	-	-	-	-	-
Wuchalena Jido	22,017	100.00	-	-	-	-	-	-	-	-	-	-
Abichuna Gna'a	11,868	100.00	-	-	-	-	-	-	-	-	-	-
Kembibit	10,860	100.00	-	-	-	-	-	-	-	-	-	-
Berehna Aleltu	24,774	100.00	-	-	-	-	-	-	-	-	-	-
Mulona Sululta	23,810	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.24B:- Number of Crop Holders that Owned Horse (Specifically for ploughing) by Geographic area. (Contin...)

Geographic area	Number of Crop holders that owned											
	No Horse		One Horse		Two Horses		Three Horses		Four Horses		Five and above Horses	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	314,931	99.99	-	-	35	0.01	-	-	-	-	-	-
Fentale	6,677	100.00	-	-	-	-	-	-	-	-	-	-
Boset	24,837	100.00	-	-	-	-	-	-	-	-	-	-
Adama	26,906	100.00	-	-	-	-	-	-	-	-	-	-
Lome	14,564	100.00	-	-	-	-	-	-	-	-	-	-
Gimbichu	15,534	99.78	-	-	35	0.22	-	-	-	-	-	-
Ada'a Liben Chukala	40,176	100.00	-	-	-	-	-	-	-	-	-	-
Dugda Bora	28,844	100.00	-	-	-	-	-	-	-	-	-	-
Adami Tullu Jido	23,794	100.00	-	-	-	-	-	-	-	-	-	-
Arsi Negele	26,584	100.00	-	-	-	-	-	-	-	-	-	-
Shashemene	46,108	100.00	-	-	-	-	-	-	-	-	-	-
Seraro	48,209	100.00	-	-	-	-	-	-	-	-	-	-
Akaki	12,696	100.00	-	-	-	-	-	-	-	-	-	-
Arsi Zone	492,930	99.98	46	0.01	31	0.01	-	-	-	-	-	-
Merti	22,750	100.00	-	-	-	-	-	-	-	-	-	-
Aseko	14,396	100.00	-	-	-	-	-	-	-	-	-	-
Gololcha	29,178	100.00	-	-	-	-	-	-	-	-	-	-
Jeju	22,217	100.00	-	-	-	-	-	-	-	-	-	-
Dodotana Sire	22,887	100.00	-	-	-	-	-	-	-	-	-	-
Zeway Dugda	21,200	100.00	-	-	-	-	-	-	-	-	-	-
Hitosa	39,229	100.00	-	-	-	-	-	-	-	-	-	-
Sude	25,501	100.00	-	-	-	-	-	-	-	-	-	-
Chole	15,918	100.00	-	-	-	-	-	-	-	-	-	-
Amigna	11,176	100.00	-	-	-	-	-	-	-	-	-	-
Seru	18,205	100.00	-	-	-	-	-	-	-	-	-	-
Robe	27,062	100.00	-	-	-	-	-	-	-	-	-	-
Tena	20,684	100.00	-	-	-	-	-	-	-	-	-	-
Sherka	26,405	100.00	-	-	-	-	-	-	-	-	-	-
Digeluna Tijo	22,181	100.00	-	-	-	-	-	-	-	-	-	-
Tiyo	15,978	100.00	-	-	-	-	-	-	-	-	-	-
Munesa	35,171	100.00	-	-	-	-	-	-	-	-	-	-
Bekoji	35,949	99.87	46	0.13	-	-	-	-	-	-	-	-
Gedeb	24,816	99.88	-	-	31	0.12	-	-	-	-	-	-
Kofele	42,028	100.00	-	-	-	-	-	-	-	-	-	-
West Harerge Zone	291,356	100.00	-	-	-	-	-	-	-	-	-	-
Mieso	16,400	100.00	-	-	-	-	-	-	-	-	-	-
Doba	22,768	100.00	-	-	-	-	-	-	-	-	-	-
Tulo	24,329	100.00	-	-	-	-	-	-	-	-	-	-
Mesela	25,840	100.00	-	-	-	-	-	-	-	-	-	-
Chiro	62,368	100.00	-	-	-	-	-	-	-	-	-	-
Goba Koricha	20,014	100.00	-	-	-	-	-	-	-	-	-	-
Anchar	13,430	100.00	-	-	-	-	-	-	-	-	-	-
Habro	30,386	100.00	-	-	-	-	-	-	-	-	-	-
Darolebu	26,978	100.00	-	-	-	-	-	-	-	-	-	-
Boke	22,144	100.00	-	-	-	-	-	-	-	-	-	-
Kuni	26,701	100.00	-	-	-	-	-	-	-	-	-	-
East Harerge Zone	387,193	100.00	-	-	-	-	-	-	-	-	-	-
Kombolcha	20,710	100.00	-	-	-	-	-	-	-	-	-	-
Jarso	17,052	100.00	-	-	-	-	-	-	-	-	-	-
Gursum	25,567	100.00	-	-	-	-	-	-	-	-	-	-
Babile	10,237	100.00	-	-	-	-	-	-	-	-	-	-
Fedis	24,565	100.00	-	-	-	-	-	-	-	-	-	-
Haro Maya	31,404	100.00	-	-	-	-	-	-	-	-	-	-
Kurfa Chele	7,122	100.00	-	-	-	-	-	-	-	-	-	-
Kersa	27,745	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.24B:- Number of Crop Holders that Owned Horse (Specifically for ploughing) by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No Horse		One Horse		Two Horses		Three Horses		Four Horses		Five and above Horses	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	43,775	100.00	-	-	-	-	-	-	-	-	-	-
Goro Gutu	25,718	100.00	-	-	-	-	-	-	-	-	-	-
Deder	38,265	100.00	-	-	-	-	-	-	-	-	-	-
Malka Balo	24,930	100.00	-	-	-	-	-	-	-	-	-	-
Bedeno	43,356	100.00	-	-	-	-	-	-	-	-	-	-
Girawa	38,886	100.00	-	-	-	-	-	-	-	-	-	-
Gola Oda	7,861	100.00	-	-	-	-	-	-	-	-	-	-
Bale Zone	259,058	100.00	-	-	-	-	-	-	-	-	-	-
Kokosa	23,375	100.00	-	-	-	-	-	-	-	-	-	-
Dodola	23,650	100.00	-	-	-	-	-	-	-	-	-	-
Adaba	19,856	100.00	-	-	-	-	-	-	-	-	-	-
Agarfa	13,146	100.00	-	-	-	-	-	-	-	-	-	-
Gasera	12,088	100.00	-	-	-	-	-	-	-	-	-	-
Gololcha	14,914	100.00	-	-	-	-	-	-	-	-	-	-
Legehida	8,094	100.00	-	-	-	-	-	-	-	-	-	-
Ginir	21,653	100.00	-	-	-	-	-	-	-	-	-	-
Sinanana Dinsho	24,988	100.00	-	-	-	-	-	-	-	-	-	-
Goba	7,183	100.00	-	-	-	-	-	-	-	-	-	-
Mennana Arena Buluk	19,198	100.00	-	-	-	-	-	-	-	-	-	-
Nensebo	14,169	100.00	-	-	-	-	-	-	-	-	-	-
Meda Welabu	12,557	100.00	-	-	-	-	-	-	-	-	-	-
Berbere	10,213	100.00	-	-	-	-	-	-	-	-	-	-
Guradamole	4,160	100.00	-	-	-	-	-	-	-	-	-	-
Goro	15,934	100.00	-	-	-	-	-	-	-	-	-	-
Raytu	6,168	100.00	-	-	-	-	-	-	-	-	-	-
Seweyna	7,711	100.00	-	-	-	-	-	-	-	-	-	-
Borena Zone	283,104	100.00	-	-	-	-	-	-	-	-	-	-
Uraga	42,623	100.00	-	-	-	-	-	-	-	-	-	-
Bore	30,433	100.00	-	-	-	-	-	-	-	-	-	-
Adolana Wadera	22,616	100.00	-	-	-	-	-	-	-	-	-	-
Odo Shakiso	14,015	100.00	-	-	-	-	-	-	-	-	-	-
Hager Mariam	86,116	100.00	-	-	-	-	-	-	-	-	-	-
Yabelo	10,081	100.00	-	-	-	-	-	-	-	-	-	-
Arero	3,331	100.00	-	-	-	-	-	-	-	-	-	-
Liben	14,844	100.00	-	-	-	-	-	-	-	-	-	-
Moyale	10,736	100.00	-	-	-	-	-	-	-	-	-	-
Dire	13,719	100.00	-	-	-	-	-	-	-	-	-	-
Teltele	7,361	100.00	-	-	-	-	-	-	-	-	-	-
Gelana Abaya	27,229	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.25B:- Number of Crop Holders that Owned Ox (Specifically for ploughing) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Ox		One Ox		Two Oxen		Three Oxen		Four Oxen		Five and above Oxen	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	1,585,498	39.82	919,765	23.10	1,185,006	29.76	115,974	2.91	145,452	3.65	30,009	0.75
West Welega Zone	145,156	46.24	93,122	29.66	63,165	20.12	4,966	1.58	6,019	1.92	1,495	0.48
Mana Sibu	13,001	48.11	6,976	25.82	4,937	18.27	754	2.79	904	3.35	450	1.67
Nejo	7,753	43.27	5,821	32.49	3,544	19.78	318	1.77	415	2.32	65	0.36
Gimbi	8,883	51.96	4,557	26.66	3,393	19.85	201	1.18	62	0.36	-	-
Lalo Asabi	5,529	50.70	2,709	24.84	2,438	22.35	70	0.64	146	1.34	14	0.13
Boji	7,666	50.47	4,176	27.50	2,778	18.29	219	1.44	243	1.60	106	0.70
Ayra Guliso	7,433	45.40	4,846	29.60	3,357	20.51	232	1.42	409	2.50	94	0.57
Jarso	5,615	34.68	4,347	26.85	4,952	30.59	357	2.21	774	4.78	145	0.90
Gidami	6,140	45.03	4,693	34.42	2,443	17.92	149	1.09	138	1.01	73	0.54
Jimma Horo	1,944	28.30	2,515	36.61	1,861	27.09	176	2.56	342	4.98	31	0.45
Hawa Welel	7,609	43.94	5,495	31.74	3,621	20.91	231	1.33	303	1.75	56	0.32
Gawo Dale	9,441	39.63	7,381	30.99	5,734	24.07	559	2.35	587	2.46	118	0.50
Dale Sadi	4,264	38.36	3,573	32.14	2,783	25.03	161	1.45	271	2.44	65	0.58
Yubdo	2,013	35.69	1,714	30.39	1,578	27.98	134	2.38	165	2.93	36	0.64
Ganji	4,395	45.73	3,040	31.63	1,761	18.32	239	2.49	156	1.62	20	0.21
Haru	6,069	52.74	3,148	27.35	2,132	18.53	130	1.13	29	0.25	-	-
Nole Kaba	10,552	45.12	6,664	28.49	5,465	23.37	316	1.35	293	1.25	98	0.42
Lalo Kilie	2,548	32.25	2,895	36.65	2,063	26.11	153	1.94	213	2.70	28	0.35
Sayo	10,544	53.13	6,226	31.37	2,688	13.55	133	0.67	253	1.27	-	-
Anfilo	9,510	80.27	1,305	11.01	953	8.04	39	0.33	15	0.13	26	0.22
Begi	14,240	46.33	11,042	35.93	4,686	15.25	395	1.29	300	0.98	71	0.23
East Welega Zone	80,723	30.94	56,270	21.57	94,318	36.15	11,800	4.52	14,753	5.65	3,029	1.16
Limu	8,621	41.67	4,020	19.43	6,622	32.01	906	4.38	521	2.52	-	-
Ibantu	1,078	21.19	859	16.89	2,477	48.69	296	5.82	323	6.35	54	1.06
Gida Kiremu	6,895	31.10	3,546	16.00	10,018	45.19	787	3.55	867	3.91	55	0.25
Jarte	1,491	20.25	903	12.26	3,159	42.90	592	8.04	986	13.39	232	3.15
Amuru	1,970	25.46	1,432	18.50	2,939	37.98	625	8.08	648	8.37	125	1.62
Abe Dongoro	4,347	45.90	1,913	20.20	2,719	28.71	275	2.90	206	2.18	10	0.11
Jimma Horo	5,304	22.08	3,137	13.06	11,257	46.86	1,720	7.16	2,115	8.80	490	2.04
Abay Chomen	1,182	25.07	522	11.07	1,997	42.35	243	5.15	625	13.26	146	3.10
Guduru	6,043	28.08	4,558	21.18	7,451	34.62	1,165	5.41	1,724	8.01	579	2.69
Jimma Rare	2,307	29.81	1,703	22.01	2,735	35.35	374	4.83	488	6.31	131	1.69
Bila Seyo	3,473	25.78	3,206	23.80	5,147	38.21	465	3.45	1,019	7.56	160	1.19
Sibu Sire	4,624	30.42	2,865	18.84	5,985	39.37	668	4.39	863	5.68	198	1.30
Guto Wayu	10,523	36.94	8,351	29.32	7,674	26.94	562	1.97	1,110	3.90	267	0.94
Sasiga	4,238	37.35	2,761	24.33	3,843	33.87	295	2.60	184	1.62	25	0.22
Leka Dulecha	3,318	31.44	3,028	28.69	3,321	31.46	351	3.33	468	4.43	69	0.65
Diga	4,102	34.56	3,421	28.83	3,219	27.12	523	4.41	490	4.13	113	0.95
Jimma Arjo	4,371	32.78	3,178	23.84	4,569	34.27	739	5.54	408	3.06	68	0.51
Nunu Kumba	3,106	29.76	3,272	31.35	3,239	31.03	309	2.96	434	4.16	78	0.75
Wama Bonaya	3,727	23.77	3,596	22.93	5,949	37.94	906	5.78	1,272	8.11	230	1.47
Illibabor Zone	74,484	38.14	55,211	28.27	53,388	27.34	4,900	2.51	6,204	3.18	1,100	0.56
Darimu	8,603	38.54	7,553	33.83	4,409	19.75	459	2.06	1,093	4.90	207	0.93
Supena Sodo	5,087	38.72	3,251	24.74	3,973	30.24	385	2.93	395	3.01	48	0.37
Chora	6,628	33.90	4,831	24.71	6,857	35.07	469	2.40	671	3.43	98	0.50
Dega	3,253	31.92	2,174	21.33	3,563	34.96	342	3.36	710	6.97	149	1.46
Bedele	7,269	35.44	5,209	25.39	6,305	30.74	667	3.25	940	4.58	123	0.60
Gechi	3,206	29.43	3,066	28.15	3,863	35.46	282	2.59	390	3.58	86	0.79
Borecha Wereda	3,069	33.99	2,699	29.89	2,745	30.40	235	2.60	257	2.85	25	0.28
Dedesa	5,892	41.99	3,545	25.26	3,516	25.06	308	2.19	579	4.13	193	1.38
yayu	7,718	40.20	4,788	24.94	5,708	29.73	546	2.84	441	2.30	-	-
Metu	11,330	50.02	6,854	30.26	3,936	17.38	364	1.61	167	0.74	-	-

Table 8.25B:- Number of Crop Holders that Owned Ox (Specifically for ploughing) by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No Ox		One Ox		Two Oxen		Three Oxen		Four Oxen		Five and above Oxen	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	6,581	37.92	5,977	34.44	4,325	24.92	269	1.55	204	1.18	-	-
Bure	3,975	33.15	3,489	29.09	3,474	28.97	530	4.42	354	2.95	170	1.42
Nono	1,875	42.51	1,775	40.24	714	16.19	43	0.97	4	0.09	-	-
Jimma Zone	146,034	32.94	134,024	30.23	143,926	32.47	8,929	2.01	9,152	2.06	1,250	0.28
Limu Seka	6,942	23.74	9,787	33.47	10,825	37.01	586	2.00	1,036	3.54	69	0.24
Limu Kosa	13,875	30.21	13,516	29.43	15,952	34.74	1,271	2.77	1,204	2.62	103	0.22
Sokoru	6,872	26.86	7,533	29.44	9,901	38.70	572	2.24	615	2.40	93	0.36
Tiro Afeta	5,119	21.21	6,126	25.38	10,588	43.87	1,100	4.56	1,042	4.32	160	0.66
Kersa	4,889	16.59	8,623	29.26	14,146	47.99	931	3.16	787	2.67	98	0.33
Mana	13,282	47.75	9,423	33.88	4,824	17.34	173	0.62	76	0.27	38	0.14
Goma	29,849	60.27	11,162	22.54	7,831	15.81	284	0.57	348	0.70	49	0.10
Gera	5,708	27.44	7,873	37.85	6,268	30.13	407	1.96	460	2.21	87	0.42
Seka chekorsa	21,595	38.27	17,889	31.71	15,279	27.08	469	0.83	1,062	1.88	128	0.23
Dedo	13,856	25.64	18,664	34.54	19,804	36.65	1,054	1.95	591	1.09	66	0.12
Omonada	9,980	21.71	12,985	28.25	19,956	43.41	1,481	3.22	1,318	2.87	252	0.55
Sigmo	6,183	38.33	6,033	37.40	3,553	22.02	167	1.04	152	0.94	44	0.27
Setema	7,882	43.19	4,410	24.17	4,999	27.39	433	2.37	462	2.53	63	0.35
West Shewa Zone	157,145	31.27	109,760	21.84	178,061	35.43	21,697	4.32	29,042	5.78	6,886	1.37
Ginde Beret	9,524	28.32	7,502	22.31	12,599	37.46	1,867	5.55	1,878	5.58	260	0.77
Jeldu	10,635	31.56	6,617	19.63	13,837	41.06	1,081	3.21	1,309	3.88	222	0.66
Ambo	12,025	29.97	7,874	19.63	14,028	34.96	2,690	6.70	2,771	6.91	734	1.83
Cheliya	10,124	27.35	6,865	18.55	13,878	37.50	1,731	4.68	3,540	9.56	873	2.36
Bako Tibe	6,050	31.20	3,850	19.86	7,077	36.50	788	4.06	1,284	6.62	340	1.75
Dano	2,872	18.48	2,023	13.01	8,149	52.43	534	3.44	1,556	10.01	410	2.64
Nono	6,735	29.11	6,608	28.56	6,729	29.08	1,246	5.38	1,459	6.31	363	1.57
Tikur	5,445	43.23	4,198	33.33	2,440	19.37	237	1.88	184	1.46	92	0.73
Amaya	6,435	29.33	6,099	27.79	7,186	32.75	671	3.06	1,324	6.03	228	1.04
Wonchi	8,001	45.97	6,399	36.77	2,727	15.67	211	1.21	46	0.26	21	0.12
Dendi	11,643	31.38	7,167	19.31	14,121	38.06	1,612	4.34	1,852	4.99	711	1.92
Ejerie	4,476	29.41	2,927	19.23	5,948	39.08	597	3.92	1,094	7.19	177	1.16
Adda Berga	5,022	26.02	3,532	18.30	7,887	40.86	918	4.76	1,589	8.23	354	1.83
Walmara	5,365	31.42	2,054	12.03	6,934	40.61	633	3.71	1,605	9.40	482	2.82
Alem Gana	7,295	35.40	3,237	15.71	7,289	35.37	1,090	5.29	1,384	6.72	312	1.51
Kersana Kondaltiti	5,284	23.96	5,409	24.53	8,105	36.76	1,352	6.13	1,607	7.29	294	1.33
Tole	2,451	23.57	2,723	26.18	3,857	37.08	560	5.38	651	6.26	159	1.53
Elu	3,527	34.06	1,956	18.89	3,821	36.90	348	3.36	620	5.99	82	0.79
Dawo	4,078	31.21	3,060	23.42	4,464	34.16	712	5.45	593	4.54	161	1.23
Walisona Goro	16,064	45.08	8,970	25.17	8,407	23.59	1,035	2.90	885	2.48	272	0.76
Becho	2,777	24.59	3,225	28.55	3,916	34.67	646	5.72	544	4.82	186	1.65
Kokir	4,017	32.49	3,815	30.86	3,580	28.96	415	3.36	487	3.94	48	0.39
Meta Robi	7,295	30.86	3,652	15.45	11,082	46.88	724	3.06	782	3.31	104	0.44
North Shewa(Oromia) Zone	61,658	26.01	37,827	15.96	110,421	46.59	9,137	3.86	15,597	6.58	2,371	1.00
Wara Jarso	6,621	26.47	4,935	19.73	11,450	45.78	788	3.15	1,142	4.57	73	0.29
Dera	12,546	35.81	5,643	16.11	15,060	42.99	781	2.23	845	2.41	160	0.46
Hidabu Abote	5,024	31.63	3,673	23.12	6,514	41.01	360	2.27	258	1.62	55	0.35
Kuyu	4,979	24.78	3,621	18.02	10,049	50.02	587	2.92	802	3.99	52	0.26
Degem	4,788	26.69	3,666	20.44	7,896	44.02	567	3.16	929	5.18	90	0.50
Gerar Jarso	1,845	14.02	3,217	24.44	7,014	53.29	511	3.88	545	4.14	31	0.24
Yaya Gulelena Debre	3,649	22.03	2,938	17.74	8,442	50.96	813	4.91	644	3.89	80	0.48
Wuchalena Jido	5,552	25.22	1,829	8.31	11,051	50.19	1,165	5.29	2,236	10.16	184	0.84
Abichuna Gna'a	2,714	22.87	1,588	13.38	5,700	48.03	710	5.98	975	8.22	181	1.53
Kembibit	3,103	28.57	1,089	10.03	5,280	48.62	495	4.56	741	6.82	152	1.40
Berehna Aleltu	6,469	26.11	3,188	12.87	9,893	39.93	1,157	4.67	3,398	13.72	669	2.70
Mulona Sululta	4,366	18.34	2,443	10.26	12,071	50.70	1,202	5.05	3,083	12.95	645	2.71

Table 8.25B:- Number of Crop Holders that Owned Ox (Specifically for ploughing) by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No Ox		One Ox		Two Oxen		Three Oxen		Four Oxen		Five and above Oxen	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	114,925	36.49	68,181	21.65	97,158	30.85	11,402	3.62	18,223	5.79	5,077	1.61
Fentale	2,083	31.20	1,750	26.21	2,539	38.03	143	2.14	162	2.43	-	-
Boset	9,387	37.79	5,700	22.95	7,167	28.86	830	3.34	1,374	5.53	379	1.53
Adama	9,267	34.44	5,995	22.28	9,038	33.59	947	3.52	1,410	5.24	249	0.93
Lome	3,153	21.65	2,266	15.56	5,750	39.48	888	6.10	1,898	13.03	609	4.18
Gimbichu	2,823	18.13	2,988	19.19	6,865	44.09	953	6.12	1,744	11.20	196	1.26
Ada'a Liben Chukala	11,609	28.90	5,919	14.73	15,728	39.15	1,555	3.87	4,064	10.12	1,301	3.24
Dugda Bora	8,348	28.94	5,687	19.72	9,887	34.28	1,570	5.44	2,294	7.95	1,058	3.67
Adami Tullu Jido	9,697	40.75	4,778	20.08	7,068	29.70	877	3.69	1,070	4.50	304	1.28
Arsi Negele	10,006	37.64	7,002	26.34	7,852	29.54	838	3.15	642	2.41	244	0.92
Shashemene	24,366	52.85	12,923	28.03	7,145	15.50	832	1.80	786	1.70	56	0.12
Seraro	20,895	43.34	11,198	23.23	13,387	27.77	1,274	2.64	1,354	2.81	101	0.21
Akaki	3,287	25.89	1,976	15.56	4,731	37.26	695	5.47	1,426	11.23	581	4.58
Arsi Zone	138,974	28.19	116,932	23.72	184,225	37.37	22,417	4.55	25,385	5.15	5,074	1.03
Merti	5,450	23.96	5,950	26.15	9,162	40.27	1,067	4.69	932	4.10	189	0.83
Aseko	3,324	23.09	4,839	33.61	5,242	36.41	566	3.93	370	2.57	55	0.38
Gololcha	10,337	35.43	11,434	39.19	6,744	23.11	478	1.64	149	0.51	36	0.12
Jeju	6,577	29.60	6,665	30.00	7,667	34.51	695	3.13	560	2.52	53	0.24
Dodotana Sire	7,029	30.71	5,566	24.32	7,595	33.18	1,260	5.51	1,264	5.52	173	0.76
Zeway Dugda	6,614	31.20	5,648	26.64	6,329	29.85	1,113	5.25	1,195	5.64	301	1.42
Hitosa	12,167	31.02	8,833	22.52	13,108	33.41	2,075	5.29	2,507	6.39	539	1.37
Sude	6,302	24.71	6,607	25.91	10,767	42.22	1,015	3.98	810	3.18	-	-
Chole	4,049	25.44	3,238	20.34	7,356	46.21	627	3.94	605	3.80	43	0.27
Amigna	1,958	17.52	1,775	15.88	5,683	50.85	581	5.20	1,047	9.37	132	1.18
Seru	3,606	19.81	2,581	14.18	9,817	53.92	926	5.09	1,138	6.25	137	0.75
Robe	6,001	22.18	5,128	18.95	13,209	48.81	1,032	3.81	1,362	5.03	330	1.22
Tena	5,976	28.89	4,311	20.84	8,239	39.83	1,014	4.90	996	4.82	148	0.72
Sherka	5,489	20.79	6,104	23.12	11,627	44.03	1,621	6.14	1,255	4.75	309	1.17
Digeluna Tijo	6,284	28.33	4,825	21.75	7,841	35.35	946	4.26	1,799	8.11	486	2.19
Tiyo	4,296	26.89	2,758	17.26	6,558	41.04	936	5.86	1,184	7.41	246	1.54
Munesa	9,665	27.48	7,487	21.29	13,182	37.48	2,043	5.81	2,424	6.89	370	1.05
Bekoji	9,156	25.44	6,359	17.67	14,006	38.91	2,259	6.28	3,327	9.24	888	2.47
Gedeb	6,240	25.11	6,732	27.09	8,725	35.11	1,076	4.33	1,570	6.32	504	2.03
Kofele	18,451	43.90	10,096	24.02	11,369	27.05	1,087	2.59	891	2.12	134	0.32
West Harerge Zone	122,983	42.21	84,831	29.12	75,318	25.85	5,219	1.79	2,485	0.85	520	0.18
Mieso	3,016	18.39	4,784	29.17	7,520	45.85	568	3.46	447	2.73	65	0.40
Doba	6,450	28.33	8,258	36.27	7,128	31.31	462	2.03	361	1.59	109	0.48
Tulo	11,249	46.24	8,179	33.62	4,471	18.38	302	1.24	95	0.39	33	0.14
Mesela	16,535	63.99	5,880	22.76	3,003	11.62	313	1.21	109	0.42	-	-
Chiro	31,471	50.46	16,010	25.67	14,098	22.60	588	0.94	115	0.18	86	0.14
Goba Koricha	5,325	26.61	5,298	26.47	7,889	39.42	1,063	5.31	378	1.89	61	0.30
Anchar	3,567	26.56	4,498	33.49	4,977	37.06	341	2.54	47	0.35	-	-
Habro	15,248	50.18	8,917	29.35	5,591	18.40	384	1.26	201	0.66	45	0.15
Darolebu	9,730	36.07	8,421	31.21	8,062	29.88	405	1.50	316	1.17	44	0.16
Boke	9,406	42.48	5,606	25.32	6,312	28.50	479	2.16	301	1.36	40	0.18
Kuni	10,984	41.14	8,981	33.64	6,267	23.47	316	1.18	116	0.43	37	0.14
East Harerge Zone	245,540	63.42	97,611	25.21	41,692	10.77	1,745	0.45	551	0.14	54	0.01
Kombolcha	18,688	90.24	1,361	6.57	661	3.19	-	-	-	-	-	-
Jarso	11,415	66.94	4,240	24.87	1,263	7.41	100	0.59	-	-	34	0.20
Gursum	11,812	46.20	5,933	23.21	7,151	27.97	489	1.91	182	0.71	-	-
Babile	2,762	26.98	2,500	24.42	4,687	45.78	146	1.43	142	1.39	-	-
Fedis	12,606	51.32	7,357	29.95	4,497	18.31	105	0.43	-	-	-	-
Haro Maya	28,006	89.18	3,088	9.83	310	0.99	-	-	-	-	-	-
Kurfa Chele	4,402	61.81	2,471	34.70	240	3.37	9	0.13	-	-	-	-
Kersa	17,197	61.98	8,500	30.64	2,014	7.26	34	0.12	-	-	-	-

Table 8.25B:- Number of Crop Holders that Owned Ox (Specifically for ploughing) by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No Ox		One Ox		Two Oxen		Three Oxen		Four Oxen		Five and above Oxen	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	23,442	53.55	16,431	37.54	3,796	8.67	57	0.13	49	0.11	-	-
Goro Gutu	12,798	49.76	9,142	35.55	3,743	14.55	-	-	35	0.14	-	-
Deder	22,559	58.95	11,663	30.48	3,894	10.18	149	0.39	-	-	-	-
Malka Balo	17,539	70.35	5,057	20.28	2,295	9.21	39	0.16	-	-	-	-
Bedeno	30,592	70.56	9,695	22.36	2,963	6.83	63	0.15	43	0.10	-	-
Girawa	29,303	75.36	7,906	20.33	1,236	3.18	403	1.04	38	0.10	-	-
Gola Oda	2,420	30.78	2,265	28.81	2,942	37.43	151	1.92	63	0.80	20	0.25
Bale Zone	104,384	40.29	48,299	18.64	82,534	31.86	9,888	3.82	12,046	4.65	1,907	0.74
Kokosa	22,135	94.70	741	3.17	407	1.74	92	0.39	-	-	-	-
Dodola	9,603	40.60	6,095	25.77	5,797	24.51	886	3.75	1,144	4.84	125	0.53
Adaba	6,126	30.85	3,958	19.93	6,718	33.83	1,498	7.54	1,138	5.73	418	2.11
Agarfa	2,696	20.51	2,172	16.52	6,250	47.54	709	5.39	1,173	8.92	146	1.11
Gasera	3,327	27.52	1,465	12.12	5,489	45.41	802	6.63	802	6.63	203	1.68
Gololcha	4,004	26.85	3,116	20.89	6,093	40.85	612	4.10	887	5.95	202	1.35
Legehida	2,616	32.32	2,545	31.44	2,710	33.48	129	1.59	83	1.03	11	0.14
Ginir	5,815	26.86	4,613	21.30	8,539	39.44	917	4.23	1,536	7.09	233	1.08
Sinanana Dinsho	4,819	19.29	3,474	13.90	11,529	46.14	1,906	7.63	2,916	11.67	344	1.38
Goba	1,680	23.39	1,260	17.54	3,204	44.61	439	6.11	516	7.18	84	1.17
Mennana Arena Buluk	8,956	46.65	4,617	24.05	5,191	27.04	221	1.15	213	1.11	-	-
Nensebo	12,549	88.57	761	5.37	762	5.38	50	0.35	47	0.33	-	-
Meda Welabu	4,828	38.45	2,898	23.08	4,607	36.69	120	0.96	89	0.71	15	0.12
Berbere	4,160	40.73	2,290	22.42	3,575	35.00	118	1.16	70	0.69	-	-
Guradamole	1,165	28.00	1,211	29.11	1,505	36.18	136	3.27	134	3.22	9	0.22
Goro	3,191	20.03	3,050	19.14	7,146	44.85	1,171	7.35	1,260	7.91	116	0.73
Raytu	3,366	54.57	1,795	29.10	927	15.03	61	0.99	19	0.31	-	-
Seweyna	3,349	43.43	2,238	29.02	2,085	27.04	21	0.27	18	0.23	-	-
Borena Zone	193,495	68.35	17,697	6.25	60,800	21.48	3,873	1.37	5,994	2.12	1,245	0.44
Uraga	35,131	82.42	2,316	5.43	4,394	10.31	267	0.63	453	1.06	62	0.15
Bore	16,225	53.31	3,832	12.59	9,317	30.61	401	1.32	561	1.84	97	0.32
Adolana Wadera	7,448	32.93	1,713	7.57	11,268	49.82	884	3.91	1,169	5.17	134	0.59
Odo Shakiso	10,132	72.29	536	3.82	2,978	21.25	150	1.07	115	0.82	104	0.74
Hager Mariam	74,685	86.73	1,561	1.81	7,651	8.88	1,108	1.29	789	0.92	322	0.37
Yabelo	5,762	57.16	1,097	10.88	2,474	24.54	146	1.45	518	5.14	84	0.83
Arero	2,114	63.46	365	10.96	671	20.14	7	0.21	162	4.86	12	0.36
Liben	6,522	43.94	1,346	9.07	6,381	42.99	37	0.25	507	3.42	51	0.34
Moyale	4,411	41.09	1,090	10.15	4,599	42.84	142	1.32	446	4.15	48	0.45
Dire	5,971	43.52	1,659	12.09	4,710	34.33	328	2.39	855	6.23	196	1.43
Teltele	2,648	35.97	1,444	19.62	2,752	37.39	191	2.59	231	3.14	95	1.29
Gelana Abaya	22,450	82.45	738	2.71	3,604	13.24	211	0.77	187	0.69	39	0.14

Table 8.26B:- Number of Crop Holders that Owned Ass (For threshing or transportation) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Ass		One Ass		Two Asses		Three Asses		Four Asses		Five and above Asses	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	3,006,116	75.50	781,908	19.64	161,975	4.07	24,097	0.61	5,668	0.14	1,940	0.05
West Welega Zone	263,036	83.79	41,216	13.13	8,173	2.60	1,136	0.36	215	0.07	147	0.05
Mana Sibu	18,644	69.00	5,712	21.14	2,113	7.82	386	1.43	58	0.21	109	0.40
Nejo	13,279	74.12	3,642	20.33	904	5.05	91	0.51	-	-	-	-
Gimbi	14,012	81.96	2,380	13.92	571	3.34	93	0.54	20	0.12	20	0.12
Lalo Asabi	9,682	88.78	887	8.13	298	2.73	25	0.23	14	0.13	-	-
Boji	12,832	84.49	1,725	11.36	439	2.89	151	0.99	22	0.14	19	0.13
Ayra Guliso	13,876	84.76	2,117	12.93	338	2.06	40	0.24	-	-	-	-
Jarso	13,039	80.54	2,449	15.13	556	3.43	123	0.76	23	0.14	-	-
Gidami	11,814	86.64	1,708	12.53	103	0.76	-	-	11	0.08	-	-
Jimma Horo	6,148	89.50	617	8.98	104	1.51	-	-	-	-	-	-
Hawa Welel	15,341	88.60	1,882	10.87	70	0.40	22	0.13	-	-	-	-
Gawo Dale	20,231	84.93	3,371	14.15	218	0.92	-	-	-	-	-	-
Dale Sadi	9,900	89.05	1,053	9.47	164	1.48	-	-	-	-	-	-
Yubdo	4,798	85.07	627	11.12	186	3.30	29	0.51	-	-	-	-
Ganji	8,208	85.40	1,072	11.15	279	2.90	44	0.46	8	0.08	-	-
Haru	9,817	85.31	1,407	12.23	241	2.09	28	0.24	15	0.13	-	-
Nole Kaba	21,146	90.41	1,773	7.58	372	1.59	64	0.27	33	0.14	-	-
Lalo Kilie	6,978	88.33	694	8.78	208	2.63	9	0.11	11	0.14	-	-
Sayo	16,689	84.10	2,693	13.57	432	2.18	30	0.15	-	-	-	-
Anfilo	10,984	92.71	782	6.60	82	0.69	-	-	-	-	-	-
Begi	25,614	83.34	4,625	15.05	495	1.61	-	-	-	-	-	-
East Welega Zone	211,522	81.08	38,110	14.61	9,386	3.60	1,452	0.56	289	0.11	134	0.05
Limu	17,112	82.71	2,818	13.62	655	3.17	105	0.51	-	-	-	-
Ibantu	4,367	85.85	528	10.38	171	3.36	21	0.41	-	-	-	-
Gida Kiremu	19,185	86.54	2,503	11.29	310	1.40	113	0.51	-	-	57	0.26
Jarte	4,840	65.73	1,972	26.78	463	6.29	68	0.92	-	-	20	0.27
Amuru	5,664	73.19	1,697	21.93	334	4.32	44	0.57	-	-	-	-
Abe Dongoro	8,455	89.28	775	8.18	167	1.76	62	0.65	11	0.12	-	-
Jimma Horo	18,547	77.21	4,107	17.10	1,076	4.48	204	0.85	55	0.23	34	0.14
Abay Chomen	3,134	66.47	1,042	22.10	403	8.55	88	1.87	24	0.51	24	0.51
Guduru	17,396	80.84	3,038	14.12	839	3.90	152	0.71	95	0.44	-	-
Jimma Rare	6,893	89.08	573	7.41	243	3.14	29	0.37	-	-	-	-
Bila Seyo	10,447	77.56	2,425	18.00	488	3.62	110	0.82	-	-	-	-
Sibu Sire	12,129	79.78	2,288	15.05	641	4.22	99	0.65	46	0.30	-	-
Guto Wayu	23,748	83.36	3,550	12.46	1,110	3.90	79	0.28	-	-	-	-
Sasiga	7,964	70.19	2,252	19.85	1,026	9.04	86	0.76	18	0.16	-	-
Leka Dulecha	9,176	86.94	1,037	9.82	259	2.45	69	0.65	14	0.13	-	-
Diga	9,649	81.30	1,631	13.74	488	4.11	72	0.61	28	0.24	-	-
Jimma Arjo	11,907	89.30	1,256	9.42	154	1.16	16	0.12	-	-	-	-
Nunu Kumba	8,958	85.82	1,307	12.52	161	1.54	12	0.11	-	-	-	-
Wama Bonaya	11,942	76.16	3,310	21.11	403	2.57	25	0.16	-	-	-	-
Illibabor Zone	186,462	95.48	7,378	3.78	1,356	0.69	91	0.05	-	-	-	-
Darimu	20,663	92.56	1,216	5.45	445	1.99	-	-	-	-	-	-
Supena Sodo	12,704	96.69	379	2.88	56	0.43	-	-	-	-	-	-
Chora	18,671	95.48	746	3.82	137	0.70	-	-	-	-	-	-
Dega	9,437	92.60	653	6.41	63	0.62	38	0.37	-	-	-	-
Bedele	19,331	94.24	935	4.56	194	0.95	53	0.26	-	-	-	-
Gechi	10,727	98.48	152	1.40	14	0.13	-	-	-	-	-	-
Borecha Wereda	8,709	96.45	287	3.18	34	0.38	-	-	-	-	-	-
Dedesa	13,259	94.48	714	5.09	60	0.43	-	-	-	-	-	-
yayu	18,590	96.82	556	2.90	55	0.29	-	-	-	-	-	-
Metu	21,413	94.53	1,109	4.90	129	0.57	-	-	-	-	-	-

Table 8.26B:- Number of Crop Holders that Owned Ass (For threshing / transportation) by Geographic area. (Contin...)

Geographic area	Number of Crop holders that owned											
	No Ass		One Ass		Two Asses		Three Asses		Four Asses		Five and above Asses	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	17,173	98.95	161	0.93	22	0.13	-	-	-	-	-	-
Bure	11,374	94.85	471	3.93	147	1.23	-	-	-	-	-	-
Nono	4,411	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Zone	412,130	92.97	28,463	6.42	2,331	0.53	232	0.05	159	0.04	-	-
Limu Seka	26,436	90.39	2,734	9.35	75	0.26	-	-	-	-	-	-
Limu Kosa	43,203	94.08	2,661	5.79	57	0.12	-	-	-	-	-	-
Sokoru	22,943	89.67	2,418	9.45	151	0.59	74	0.29	-	-	-	-
Tiro Afeta	21,447	88.86	2,403	9.96	255	1.06	30	0.12	-	-	-	-
Kersa	25,771	87.44	3,009	10.21	616	2.09	78	0.26	-	-	-	-
Mana	27,178	97.71	569	2.05	69	0.25	-	-	-	-	-	-
Goma	48,512	97.96	1,011	2.04	-	-	-	-	-	-	-	-
Gera	19,947	95.89	759	3.65	47	0.23	50	0.24	-	-	-	-
Seka chekorsa	54,976	97.44	1,446	2.56	-	-	-	-	-	-	-	-
Dedo	51,885	96.02	2,150	3.98	-	-	-	-	-	-	-	-
Omonada	35,565	77.36	9,207	20.03	1,041	2.26	-	-	159	0.35	-	-
Sigmo	16,031	99.37	80	0.50	21	0.13	-	-	-	-	-	-
Setema	18,232	99.91	17	0.09	-	-	-	-	-	-	-	-
West Shewa Zone	378,789	75.37	96,940	19.29	23,178	4.61	2,821	0.56	734	0.15	129	0.03
Ginde Beret	28,401	84.45	3,330	9.90	1,568	4.66	196	0.58	135	0.40	-	-
Jeldu	27,933	82.88	4,617	13.70	969	2.88	92	0.27	90	0.27	-	-
Ambo	30,195	75.26	6,880	17.15	2,491	6.21	414	1.03	96	0.24	46	0.11
Cheliya	30,936	83.59	4,573	12.36	1,162	3.14	340	0.92	-	-	-	-
Bako Tibe	15,053	77.64	3,095	15.96	1,018	5.25	176	0.91	-	-	47	0.24
Dano	13,740	88.39	1,463	9.41	281	1.81	45	0.29	-	-	15	0.10
Nono	19,052	82.33	3,591	15.52	405	1.75	92	0.40	-	-	-	-
Tikur	11,807	93.74	697	5.53	77	0.61	15	0.12	-	-	-	-
Amaya	17,555	80.00	3,923	17.88	465	2.12	-	-	-	-	-	-
Wonchi	14,477	83.18	2,764	15.88	164	0.94	-	-	-	-	-	-
Dendi	29,156	78.57	6,264	16.88	1,495	4.03	191	0.51	-	-	-	-
Ejerie	11,056	72.65	3,291	21.62	770	5.06	85	0.56	17	0.11	-	-
Adda Berga	13,168	68.22	4,196	21.74	1,669	8.65	217	1.12	52	0.27	-	-
Walmara	9,829	57.57	5,130	30.05	1,821	10.67	185	1.08	87	0.51	21	0.12
Alem Gana	11,005	53.40	7,051	34.22	2,239	10.87	227	1.10	85	0.41	-	-
Kersana Kondaltiti	13,364	60.60	7,061	32.02	1,573	7.13	53	0.24	-	-	-	-
Tole	5,181	49.81	4,219	40.56	900	8.65	101	0.97	-	-	-	-
Elu	7,064	68.22	2,521	24.35	645	6.23	83	0.80	41	0.40	-	-
Dawo	8,756	67.00	3,615	27.66	609	4.66	43	0.33	45	0.34	-	-
Walisona Goro	27,573	77.38	6,997	19.64	928	2.60	92	0.26	43	0.12	-	-
Becho	6,550	58.00	4,038	35.75	626	5.54	67	0.59	13	0.12	-	-
Kokir	7,332	59.31	4,470	36.16	560	4.53	-	-	-	-	-	-
Meta Robi	19,603	82.93	3,155	13.35	745	3.15	106	0.45	30	0.13	-	-
North Shewa(Oromia) Zone	147,160	62.09	70,043	29.55	17,016	7.18	2,001	0.84	743	0.31	48	0.02
Wara Jarso	17,790	71.13	5,845	23.37	1,035	4.14	195	0.78	144	0.58	-	-
Dera	27,711	79.10	6,089	17.38	1,091	3.11	86	0.25	58	0.17	-	-
Hidabu Abote	12,234	77.02	3,078	19.38	533	3.36	39	0.25	-	-	-	-
Kuyu	14,854	73.94	4,530	22.55	630	3.14	52	0.26	24	0.12	-	-
Degem	11,111	61.95	5,605	31.25	1,148	6.40	72	0.40	-	-	-	-
Gerar Jarso	6,631	50.38	5,537	42.06	873	6.63	105	0.80	-	-	17	0.13
Yaya Gulelena Debre	8,804	53.14	6,103	36.84	1,587	9.58	72	0.43	-	-	-	-
Wuchalena Jido	12,199	55.41	7,715	35.04	1,705	7.74	226	1.03	172	0.78	-	-
Abichuna Gna'a	6,545	55.15	4,304	36.27	887	7.47	116	0.98	16	0.13	-	-
Kembibit	5,722	52.69	3,883	35.76	1,097	10.10	128	1.18	30	0.28	-	-
Berehna Aleltu	11,348	45.81	9,385	37.88	3,352	13.53	465	1.88	193	0.78	31	0.13
Mulona Sululta	12,213	51.29	7,968	33.46	3,079	12.93	444	1.86	106	0.45	-	-

Table 8.26B:- Number of Crop Holders that Owned Ass (For threshing / transportation) by Geographic area. (Contin...)

Geographic area	Number of Crop holders that owned											
	No Ass		One Ass		Two Asses		Three Asses		Four Asses		Five and above Asses	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	171,372	54.41	102,007	32.39	32,253	10.24	6,660	2.11	1,920	0.61	754	0.24
Fentale	2,517	37.70	2,516	37.68	1,331	19.93	252	3.77	61	0.91	-	-
Boset	10,149	40.86	10,684	43.02	3,244	13.06	627	2.52	133	0.54	-	-
Adama	11,795	43.84	10,649	39.58	3,638	13.52	598	2.22	135	0.50	91	0.34
Lome	5,402	37.09	5,415	37.18	2,790	19.16	555	3.81	248	1.70	154	1.06
Gimbichu	6,331	40.66	5,753	36.95	2,603	16.72	735	4.72	89	0.57	58	0.37
Ada'a Liben Chukala	19,449	48.41	11,956	29.76	6,322	15.74	1,818	4.53	516	1.28	115	0.29
Dugda Bora	19,168	66.45	7,755	26.89	1,243	4.31	433	1.50	180	0.62	65	0.23
Adami Tullu Jido	14,465	60.79	6,950	29.21	1,681	7.06	450	1.89	84	0.35	164	0.69
Arsi Negele	16,370	61.58	8,579	32.27	1,198	4.51	227	0.85	168	0.63	42	0.16
Shashemene	33,858	73.43	9,741	21.13	2,179	4.73	222	0.48	60	0.13	48	0.10
Seraro	26,791	55.57	17,107	35.49	3,826	7.94	375	0.78	110	0.23	-	-
Akaki	5,074	39.97	4,903	38.62	2,198	17.31	368	2.90	136	1.07	17	0.13
Arsi Zone	328,569	66.65	130,207	26.41	28,607	5.80	4,517	0.92	724	0.15	383	0.08
Merti	14,806	65.08	6,997	30.76	781	3.43	132	0.58	-	-	34	0.15
Aseko	11,806	82.01	2,249	15.62	275	1.91	66	0.46	-	-	-	-
Gololcha	23,251	79.69	5,482	18.79	445	1.53	-	-	-	-	-	-
Jeju	14,106	63.49	6,503	29.27	1,282	5.77	238	1.07	59	0.27	29	0.13
Dodotana Sire	9,857	43.07	10,439	45.61	2,270	9.92	268	1.17	53	0.23	-	-
Zeway Dugda	11,827	55.79	6,781	31.99	2,094	9.88	387	1.83	111	0.52	-	-
Hitosa	19,640	50.07	15,349	39.13	3,363	8.57	627	1.60	89	0.23	161	0.41
Sude	18,208	71.40	6,551	25.69	718	2.82	24	0.09	-	-	-	-
Chole	11,868	74.56	3,670	23.06	343	2.15	37	0.23	-	-	-	-
Amigna	6,891	61.66	3,488	31.21	699	6.25	55	0.49	43	0.38	-	-
Seru	11,000	60.42	6,026	33.10	1,072	5.89	75	0.41	32	0.18	-	-
Robe	16,264	60.10	8,913	32.94	1,644	6.07	171	0.63	35	0.13	35	0.13
Tena	13,047	63.08	6,308	30.50	1,102	5.33	203	0.98	-	-	24	0.12
Sherka	16,876	63.91	7,691	29.13	1,635	6.19	203	0.77	-	-	-	-
Digeluna Tijo	15,842	71.42	4,896	22.07	1,205	5.43	182	0.82	30	0.14	26	0.12
Tiyo	9,211	57.65	5,286	33.08	1,225	7.67	219	1.37	21	0.13	16	0.10
Munesa	24,389	69.34	8,349	23.74	2,163	6.15	238	0.68	32	0.09	-	-
Bekoji	24,811	68.93	7,222	20.06	3,249	9.03	621	1.73	35	0.10	57	0.16
Gedeb	16,577	66.72	5,246	21.11	2,353	9.47	488	1.96	183	0.74	-	-
Kofele	38,294	91.12	2,761	6.57	688	1.64	285	0.68	-	-	-	-
West Harerge Zone	202,680	69.56	78,916	27.09	8,908	3.06	762	0.26	90	0.03	-	-
Mieso	8,007	48.82	7,839	47.80	544	3.32	10	0.06	-	-	-	-
Doba	17,884	78.55	4,302	18.89	395	1.73	158	0.69	29	0.13	-	-
Tulo	20,976	86.22	3,110	12.78	221	0.91	22	0.09	-	-	-	-
Mesela	21,254	82.25	3,822	14.79	764	2.96	-	-	-	-	-	-
Chiro	48,985	78.54	11,430	18.33	1,831	2.94	122	0.20	-	-	-	-
Goba Koricha	11,753	58.72	6,941	34.68	1,205	6.02	115	0.57	-	-	-	-
Anchar	9,072	67.55	3,788	28.21	507	3.78	38	0.28	25	0.19	-	-
Habro	19,798	65.16	10,030	33.01	482	1.59	39	0.13	37	0.12	-	-
Darolebu	22,909	84.92	3,657	13.56	363	1.35	49	0.18	-	-	-	-
Boke	6,438	29.07	13,500	60.96	2,033	9.18	173	0.78	-	-	-	-
Kuni	15,603	58.44	10,496	39.31	565	2.12	37	0.14	-	-	-	-
East Harerge Zone	290,462	75.02	89,613	23.14	6,446	1.66	630	0.16	42	0.01	-	-
Kombolcha	15,206	73.42	5,341	25.79	137	0.66	26	0.13	-	-	-	-
Jarso	11,862	69.56	4,580	26.86	511	3.00	99	0.58	-	-	-	-
Gursum	19,381	75.80	5,406	21.14	690	2.70	90	0.35	-	-	-	-
Babile	8,411	82.16	1,631	15.93	195	1.90	-	-	-	-	-	-
Fedis	10,548	42.94	13,126	53.43	719	2.93	172	0.70	-	-	-	-
Haro Maya	22,269	70.91	9,044	28.80	91	0.29	-	-	-	-	-	-
Kurfa Chele	5,354	75.18	1,617	22.70	142	1.99	9	0.13	-	-	-	-
Kersa	18,244	65.76	9,212	33.20	289	1.04	-	-	-	-	-	-

Table 8.26B:- Number of Crop Holders that Owned Ass (For threshing /transportation) by Geographic area.(Contin...)

Geographic area	Number of Crop holders that owned											
	No Ass		One Ass		Two Asses		Three Asses		Four Asses		Five and above Asses	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	32,858	75.06	9,697	22.15	1,181	2.70	39	0.09	-	-	-	-
Goro Gutu	20,171	78.43	5,087	19.78	460	1.79	-	-	-	-	-	-
Deder	28,312	73.99	9,156	23.93	797	2.08	-	-	-	-	-	-
Malka Balo	20,241	81.19	4,339	17.40	217	0.87	93	0.37	40	0.16	-	-
Bedeno	37,065	85.49	5,907	13.62	321	0.74	63	0.15	-	-	-	-
Girawa	35,217	90.56	3,159	8.12	472	1.21	38	0.10	-	-	-	-
Gola Oda	5,322	67.70	2,311	29.40	224	2.85	2	0.03	2	0.03	-	-
Bale Zone	171,298	66.12	69,022	26.64	15,550	6.00	2,605	1.01	351	0.14	232	0.09
Kokosa	23,250	99.47	98	0.42	27	0.12	-	-	-	-	-	-
Dodola	14,965	63.28	6,566	27.76	1,728	7.31	222	0.94	169	0.71	-	-
Adaba	11,028	55.54	6,768	34.09	1,583	7.97	398	2.00	33	0.17	46	0.23
Agarfa	5,027	38.24	5,707	43.41	2,071	15.75	294	2.24	12	0.09	35	0.27
Gasera	4,758	39.36	5,747	47.54	1,303	10.78	192	1.59	44	0.36	44	0.36
Gololcha	8,360	56.05	5,250	35.20	1,228	8.23	76	0.51	-	-	-	-
Legehida	6,932	85.64	1,083	13.38	56	0.69	23	0.28	-	-	-	-
Ginir	13,195	60.94	6,988	32.27	1,207	5.57	224	1.03	39	0.18	-	-
Sinanana Dinsho	11,469	45.90	9,342	37.39	3,501	14.01	569	2.28	-	-	107	0.43
Goba	3,473	48.35	2,675	37.24	740	10.30	241	3.36	54	0.75	-	-
Mennana Arena Buluk	14,238	74.16	4,800	25.00	124	0.65	36	0.19	-	-	-	-
Nensebo	13,462	95.01	659	4.65	48	0.34	-	-	-	-	-	-
Meda Welabu	11,781	93.82	614	4.89	162	1.29	-	-	-	-	-	-
Berbere	7,784	76.22	2,429	23.78	-	-	-	-	-	-	-	-
Guradamole	3,212	77.21	890	21.39	50	1.20	8	0.19	-	-	-	-
Goro	8,668	54.40	5,560	34.89	1,408	8.84	298	1.87	-	-	-	-
Raytu	4,431	71.84	1,530	24.81	201	3.26	6	0.10	-	-	-	-
Seweyna	5,261	68.23	2,317	30.05	114	1.48	19	0.25	-	-	-	-
Borena Zone	242,639	85.71	29,993	10.59	8,770	3.10	1,189	0.42	401	0.14	112	0.04
Uraga	41,946	98.41	517	1.21	160	0.38	-	-	-	-	-	-
Bore	29,199	95.95	788	2.59	446	1.47	-	-	-	-	-	-
Adolana Wadera	16,437	72.68	4,997	22.09	1,030	4.55	80	0.35	72	0.32	-	-
Odo Shakiso	9,565	68.25	3,386	24.16	895	6.39	95	0.68	20	0.14	54	0.39
Hager Mariam	72,001	83.61	9,575	11.12	3,746	4.35	590	0.69	204	0.24	-	-
Yabelo	9,335	92.60	454	4.50	212	2.10	80	0.79	-	-	-	-
Arero	2,989	89.73	246	7.39	55	1.65	13	0.39	28	0.84	-	-
Liben	11,193	75.40	2,834	19.09	684	4.61	108	0.73	25	0.17	-	-
Moyale	8,411	78.34	1,934	18.01	340	3.17	51	0.48	-	-	-	-
Dire	10,739	78.28	2,250	16.40	601	4.38	25	0.18	51	0.37	53	0.39
Teltele	5,837	79.30	986	13.39	424	5.76	108	1.47	-	-	6	0.08
Gelana Abaya	24,985	91.76	2,026	7.44	179	0.66	39	0.14	-	-	-	-

Table 8.27B:- Number of Crop Holders that Owned Camel (For threshing or transportation) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Camel		One Camel		Two Camels		Three Camels		Four Camels		Five and above Camels	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	3,970,253	99.71	8,129	0.20	2,259	0.06	617	0.02	261	0.01	185	0.00
West Welega Zone	313,923	100.00	-	-	-	-	-	-	-	-	-	-
Mana Sibu	27,022	100.00	-	-	-	-	-	-	-	-	-	-
Nejo	17,916	100.00	-	-	-	-	-	-	-	-	-	-
Gimbi	17,096	100.00	-	-	-	-	-	-	-	-	-	-
Lalo Asabi	10,906	100.00	-	-	-	-	-	-	-	-	-	-
Boji	15,188	100.00	-	-	-	-	-	-	-	-	-	-
Ayra Guliso	16,371	100.00	-	-	-	-	-	-	-	-	-	-
Jarso	16,190	100.00	-	-	-	-	-	-	-	-	-	-
Gidami	13,636	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Horo	6,869	100.00	-	-	-	-	-	-	-	-	-	-
Hawa Welel	17,315	100.00	-	-	-	-	-	-	-	-	-	-
Gawo Dale	23,820	100.00	-	-	-	-	-	-	-	-	-	-
Dale Sadi	11,117	100.00	-	-	-	-	-	-	-	-	-	-
Yubdo	5,640	100.00	-	-	-	-	-	-	-	-	-	-
Ganji	9,611	100.00	-	-	-	-	-	-	-	-	-	-
Haru	11,508	100.00	-	-	-	-	-	-	-	-	-	-
Nole Kaba	23,388	100.00	-	-	-	-	-	-	-	-	-	-
Lalo Kilie	7,900	100.00	-	-	-	-	-	-	-	-	-	-
Sayo	19,844	100.00	-	-	-	-	-	-	-	-	-	-
Anfilo	11,848	100.00	-	-	-	-	-	-	-	-	-	-
Begi	30,734	100.00	-	-	-	-	-	-	-	-	-	-
East Welega Zone	260,885	100.00	8	0.00	-	-	-	-	-	-	-	-
Limu	20,690	100.00	-	-	-	-	-	-	-	-	-	-
Ibantu	5,087	100.00	-	-	-	-	-	-	-	-	-	-
Gida Kiremu	22,168	100.00	-	-	-	-	-	-	-	-	-	-
Jarte	7,363	100.00	-	-	-	-	-	-	-	-	-	-
Amuru	7,739	100.00	-	-	-	-	-	-	-	-	-	-
Abe Dongoro	9,470	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Horo	24,023	100.00	-	-	-	-	-	-	-	-	-	-
Abay Chomen	4,707	99.83	8	0.17	-	-	-	-	-	-	-	-
Guduru	21,520	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Rare	7,738	100.00	-	-	-	-	-	-	-	-	-	-
Bila Seyo	13,470	100.00	-	-	-	-	-	-	-	-	-	-
Sibu Sire	15,203	100.00	-	-	-	-	-	-	-	-	-	-
Guto Wayu	28,487	100.00	-	-	-	-	-	-	-	-	-	-
Sasiga	11,346	100.00	-	-	-	-	-	-	-	-	-	-
Leka Dulecha	10,555	100.00	-	-	-	-	-	-	-	-	-	-
Diga	11,868	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Arjo	13,333	100.00	-	-	-	-	-	-	-	-	-	-
Nunu Kumba	10,438	100.00	-	-	-	-	-	-	-	-	-	-
Wama Bonaya	15,680	100.00	-	-	-	-	-	-	-	-	-	-
Illibabor Zone	195,287	100.00	-	-	-	-	-	-	-	-	-	-
Darimu	22,324	100.00	-	-	-	-	-	-	-	-	-	-
Supena Sodo	13,139	100.00	-	-	-	-	-	-	-	-	-	-
Chora	19,554	100.00	-	-	-	-	-	-	-	-	-	-
Dega	10,191	100.00	-	-	-	-	-	-	-	-	-	-
Bedele	20,513	100.00	-	-	-	-	-	-	-	-	-	-
Gechi	10,893	100.00	-	-	-	-	-	-	-	-	-	-
Borecha Wereda	9,030	100.00	-	-	-	-	-	-	-	-	-	-
Dedesa	14,033	100.00	-	-	-	-	-	-	-	-	-	-
yayu	19,201	100.00	-	-	-	-	-	-	-	-	-	-
Metu	22,651	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.27B:-Number of Crop Holders that Owned Camel (For threshing/transportation) by Geographic area. (Contin...)

Geographic area	Number of Crop holders that owned											
	No Camel		One Camel		Two Camels		Three Camels		Four Camels		Five and above Camels	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	17,356	100.00	-	-	-	-	-	-	-	-	-	-
Bure	11,992	100.00	-	-	-	-	-	-	-	-	-	-
Nono	4,411	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Zone	443,315	100.00	-	-	-	-	-	-	-	-	-	-
Limu Seka	29,245	100.00	-	-	-	-	-	-	-	-	-	-
Limu Kosa	45,921	100.00	-	-	-	-	-	-	-	-	-	-
Sokoru	25,586	100.00	-	-	-	-	-	-	-	-	-	-
Tiro Afeta	24,135	100.00	-	-	-	-	-	-	-	-	-	-
Kersa	29,474	100.00	-	-	-	-	-	-	-	-	-	-
Mana	27,816	100.00	-	-	-	-	-	-	-	-	-	-
Goma	49,523	100.00	-	-	-	-	-	-	-	-	-	-
Gera	20,803	100.00	-	-	-	-	-	-	-	-	-	-
Seka chekorsa	56,422	100.00	-	-	-	-	-	-	-	-	-	-
Dedo	54,035	100.00	-	-	-	-	-	-	-	-	-	-
Omonada	45,972	100.00	-	-	-	-	-	-	-	-	-	-
Sigmo	16,132	100.00	-	-	-	-	-	-	-	-	-	-
Setema	18,249	100.00	-	-	-	-	-	-	-	-	-	-
West Shewa Zone	502,591	100.00	-	-	-	-	-	-	-	-	-	-
Ginde Beret	33,630	100.00	-	-	-	-	-	-	-	-	-	-
Jeldu	33,701	100.00	-	-	-	-	-	-	-	-	-	-
Ambo	40,122	100.00	-	-	-	-	-	-	-	-	-	-
Cheliya	37,011	100.00	-	-	-	-	-	-	-	-	-	-
Bako Tibe	19,389	100.00	-	-	-	-	-	-	-	-	-	-
Dano	15,544	100.00	-	-	-	-	-	-	-	-	-	-
Nono	23,140	100.00	-	-	-	-	-	-	-	-	-	-
Tikur	12,596	100.00	-	-	-	-	-	-	-	-	-	-
Amaya	21,943	100.00	-	-	-	-	-	-	-	-	-	-
Wonchi	17,405	100.00	-	-	-	-	-	-	-	-	-	-
Dendi	37,106	100.00	-	-	-	-	-	-	-	-	-	-
Ejerie	15,219	100.00	-	-	-	-	-	-	-	-	-	-
Adda Berga	19,302	100.00	-	-	-	-	-	-	-	-	-	-
Walmara	17,073	100.00	-	-	-	-	-	-	-	-	-	-
Alem Gana	20,607	100.00	-	-	-	-	-	-	-	-	-	-
Kersana Kondaltiti	22,051	100.00	-	-	-	-	-	-	-	-	-	-
Tole	10,401	100.00	-	-	-	-	-	-	-	-	-	-
Elu	10,354	100.00	-	-	-	-	-	-	-	-	-	-
Dawo	13,068	100.00	-	-	-	-	-	-	-	-	-	-
Walisona Goro	35,633	100.00	-	-	-	-	-	-	-	-	-	-
Becho	11,294	100.00	-	-	-	-	-	-	-	-	-	-
Kokir	12,362	100.00	-	-	-	-	-	-	-	-	-	-
Meta Robi	23,639	100.00	-	-	-	-	-	-	-	-	-	-
North Shewa(Oromia) Zone	237,011	100.00	-	-	-	-	-	-	-	-	-	-
Wara Jarso	25,009	100.00	-	-	-	-	-	-	-	-	-	-
Dera	35,035	100.00	-	-	-	-	-	-	-	-	-	-
Hidabu Abote	15,884	100.00	-	-	-	-	-	-	-	-	-	-
Kuyu	20,090	100.00	-	-	-	-	-	-	-	-	-	-
Degem	17,936	100.00	-	-	-	-	-	-	-	-	-	-
Gerar Jarso	13,163	100.00	-	-	-	-	-	-	-	-	-	-
Yaya Gulelena Debre	16,566	100.00	-	-	-	-	-	-	-	-	-	-
Wuchalena Jido	22,017	100.00	-	-	-	-	-	-	-	-	-	-
Abichuna Gna'a	11,868	100.00	-	-	-	-	-	-	-	-	-	-
Kembibit	10,860	100.00	-	-	-	-	-	-	-	-	-	-
Berehna Aleltu	24,774	100.00	-	-	-	-	-	-	-	-	-	-
Mulona Sululta	23,810	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.27B:- Number of Crop Holders that Owned Camel (For threshing/ transportation) by Geographic area.(Contin.)

Geographic area	Number of Crop holders that owned											
	No Camel		One Camel		Two Camels		Three Camels		Four Camels		Five and above Camels	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	313,532	99.54	789	0.25	483	0.15	119	0.04	43	0.01	-	-
Fentale	5,917	88.62	279	4.18	352	5.27	86	1.29	43	0.64	-	-
Boset	24,197	97.42	474	1.91	132	0.53	34	0.14	-	-	-	-
Adama	26,870	99.87	36	0.13	-	-	-	-	-	-	-	-
Lome	14,564	100.00	-	-	-	-	-	-	-	-	-	-
Gimbichu	15,569	100.00	-	-	-	-	-	-	-	-	-	-
Ada'a Liben Chukala	40,176	100.00	-	-	-	-	-	-	-	-	-	-
Dugda Bora	28,844	100.00	-	-	-	-	-	-	-	-	-	-
Adami Tullu Jido	23,794	100.00	-	-	-	-	-	-	-	-	-	-
Arsi Negele	26,584	100.00	-	-	-	-	-	-	-	-	-	-
Shashemene	46,108	100.00	-	-	-	-	-	-	-	-	-	-
Seraro	48,209	100.00	-	-	-	-	-	-	-	-	-	-
Akaki	12,696	100.00	-	-	-	-	-	-	-	-	-	-
Arsi Zone	492,883	99.97	61	0.01	-	-	-	-	-	-	63	0.01
Merti	22,687	99.72	-	-	-	-	-	-	-	-	63	0.28
Aseko	14,396	100.00	-	-	-	-	-	-	-	-	-	-
Gololcha	29,178	100.00	-	-	-	-	-	-	-	-	-	-
Jeju	22,156	99.73	61	0.27	-	-	-	-	-	-	-	-
Dodotana Sire	22,887	100.00	-	-	-	-	-	-	-	-	-	-
Zeway Dugda	21,200	100.00	-	-	-	-	-	-	-	-	-	-
Hitosa	39,229	100.00	-	-	-	-	-	-	-	-	-	-
Sude	25,501	100.00	-	-	-	-	-	-	-	-	-	-
Chole	15,918	100.00	-	-	-	-	-	-	-	-	-	-
Amigna	11,176	100.00	-	-	-	-	-	-	-	-	-	-
Seru	18,205	100.00	-	-	-	-	-	-	-	-	-	-
Robe	27,062	100.00	-	-	-	-	-	-	-	-	-	-
Tena	20,684	100.00	-	-	-	-	-	-	-	-	-	-
Sherka	26,405	100.00	-	-	-	-	-	-	-	-	-	-
Digeluna Tijo	22,181	100.00	-	-	-	-	-	-	-	-	-	-
Tiyo	15,978	100.00	-	-	-	-	-	-	-	-	-	-
Munesa	35,171	100.00	-	-	-	-	-	-	-	-	-	-
Bekoji	35,995	100.00	-	-	-	-	-	-	-	-	-	-
Gedeb	24,847	100.00	-	-	-	-	-	-	-	-	-	-
Kofele	42,028	100.00	-	-	-	-	-	-	-	-	-	-
West Harerge Zone	289,574	99.39	930	0.32	439	0.15	195	0.07	161	0.06	57	0.02
Mieso	15,460	94.27	509	3.10	185	1.13	147	0.90	99	0.60	-	-
Doba	22,768	100.00	-	-	-	-	-	-	-	-	-	-
Tulo	24,329	100.00	-	-	-	-	-	-	-	-	-	-
Mesela	25,840	100.00	-	-	-	-	-	-	-	-	-	-
Chiro	62,228	99.78	70	0.11	70	0.11	-	-	-	-	-	-
Goba Koricha	19,664	98.25	167	0.83	140	0.70	15	0.07	28	0.14	-	-
Anchar	13,389	99.69	28	0.21	-	-	-	-	-	-	13	0.10
Habro	30,338	99.84	48	0.16	-	-	-	-	-	-	-	-
Darolebu	26,978	100.00	-	-	-	-	-	-	-	-	-	-
Boke	21,883	98.82	107	0.48	44	0.20	33	0.15	33	0.15	44	0.20
Kuni	26,701	100.00	-	-	-	-	-	-	-	-	-	-
East Harerge Zone	386,488	99.82	381	0.10	263	0.07	61	0.02	-	-	-	-
Kombolcha	20,710	100.00	-	-	-	-	-	-	-	-	-	-
Jarso	16,879	98.99	109	0.64	42	0.25	22	0.13	-	-	-	-
Gursum	25,271	98.84	206	0.81	90	0.35	-	-	-	-	-	-
Babile	10,194	99.58	43	0.42	-	-	-	-	-	-	-	-
Fedis	24,529	99.85	-	-	36	0.15	-	-	-	-	-	-
Haro Maya	31,404	100.00	-	-	-	-	-	-	-	-	-	-
Kurfa Chele	7,122	100.00	-	-	-	-	-	-	-	-	-	-
Kersa	27,745	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.27B:-Number of Crop Holders that Owned Camel (For threshing / transportation) by Geographic area.(Contin..)

Geographic area	Number of Crop holders that owned											
	No Camel		One Camel		Two Camels		Three Camels		Four Camels		Five and above Camels	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	43,775	100.00	-	-	-	-	-	-	-	-	-	-
Goro Gutu	25,633	99.67	-	-	85	0.33	-	-	-	-	-	-
Deder	38,265	100.00	-	-	-	-	-	-	-	-	-	-
Malka Balo	24,890	99.84	-	-	-	-	40	0.16	-	-	-	-
Bedeno	43,356	100.00	-	-	-	-	-	-	-	-	-	-
Girawa	38,886	100.00	-	-	-	-	-	-	-	-	-	-
Gola Oda	7,828	99.58	23	0.29	10	0.13	-	-	-	-	-	-
Bale Zone	255,625	98.67	3,055	1.18	286	0.11	34	0.01	58	0.02	-	-
Kokosa	23,375	100.00	-	-	-	-	-	-	-	-	-	-
Dodola	23,650	100.00	-	-	-	-	-	-	-	-	-	-
Adaba	19,856	100.00	-	-	-	-	-	-	-	-	-	-
Agarfa	13,146	100.00	-	-	-	-	-	-	-	-	-	-
Gasera	12,088	100.00	-	-	-	-	-	-	-	-	-	-
Gololcha	14,855	99.60	59	0.40	-	-	-	-	-	-	-	-
Legehida	7,576	93.60	425	5.25	82	1.01	-	-	11	0.14	-	-
Ginir	21,583	99.68	70	0.32	-	-	-	-	-	-	-	-
Sinanana Dinsho	24,988	100.00	-	-	-	-	-	-	-	-	-	-
Goba	7,183	100.00	-	-	-	-	-	-	-	-	-	-
Mennana Arena Buluk	18,910	98.50	288	1.50	-	-	-	-	-	-	-	-
Nensebo	14,169	100.00	-	-	-	-	-	-	-	-	-	-
Meda Welabu	11,491	91.51	913	7.27	95	0.76	12	0.10	46	0.37	-	-
Berbere	10,203	99.90	10	0.10	-	-	-	-	-	-	-	-
Guradamole	4,148	99.71	6	0.14	6	0.14	-	-	-	-	-	-
Goro	15,703	98.55	231	1.45	-	-	-	-	-	-	-	-
Raytu	5,413	87.76	686	11.12	69	1.12	-	-	-	-	-	-
Seweyna	7,287	94.50	369	4.79	33	0.43	22	0.29	-	-	-	-
Borena Zone	279,140	98.60	2,905	1.03	788	0.28	207	0.07	-	-	64	0.02
Uraga	42,623	100.00	-	-	-	-	-	-	-	-	-	-
Bore	30,433	100.00	-	-	-	-	-	-	-	-	-	-
Adolana Wadera	22,616	100.00	-	-	-	-	-	-	-	-	-	-
Odo Shakiso	13,917	99.30	98	0.70	-	-	-	-	-	-	-	-
Hager Mariam	86,116	100.00	-	-	-	-	-	-	-	-	-	-
Yabelo	9,175	91.01	668	6.63	152	1.51	86	0.85	-	-	-	-
Arero	2,646	79.44	520	15.61	158	4.74	7	0.21	-	-	-	-
Liben	13,533	91.17	912	6.14	305	2.05	65	0.44	-	-	29	0.20
Moyale	10,458	97.41	118	1.10	76	0.71	48	0.45	-	-	36	0.34
Dire	13,104	95.52	519	3.78	96	0.70	-	-	-	-	-	-
Teltele	7,291	99.05	70	0.95	-	-	-	-	-	-	-	-
Gelana Abaya	27,229	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.28B:- Number of Crop Holders that Owned Cattle (For threshing or transportation) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Cattle		One Cattle		Two Cattle		Three Cattle		Four Cattle		Five and above Cattle	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	1,537,259	38.61	775,945	19.49	901,343	22.64	257,459	6.47	232,534	5.84	277,164	6.96
West Welega Zone	145,740	46.43	67,227	21.42	48,071	15.31	17,412	5.55	14,430	4.60	21,043	6.70
Mana Sibu	11,895	44.02	4,904	18.15	3,654	13.52	1,657	6.13	1,573	5.82	3,339	12.36
Nejo	7,566	42.23	2,555	14.26	2,209	12.33	1,648	9.20	1,289	7.19	2,649	14.79
Gimbi	8,437	49.35	3,639	21.29	2,876	16.82	675	3.95	468	2.74	1,001	5.86
Lalo Asabi	6,401	58.69	1,613	14.79	1,602	14.69	572	5.24	266	2.44	452	4.14
Boji	7,864	51.78	2,424	15.96	1,473	9.70	905	5.96	932	6.14	1,590	10.47
Ayra Guliso	7,589	46.36	4,380	26.75	2,887	17.63	338	2.06	579	3.54	598	3.65
Jarso	5,334	32.95	2,313	14.29	2,638	16.29	1,610	9.94	1,386	8.56	2,909	17.97
Gidami	5,981	43.86	4,217	30.93	2,336	17.13	435	3.19	318	2.33	349	2.56
Jimma Horo	2,027	29.51	2,373	34.55	1,696	24.69	289	4.21	335	4.88	149	2.17
Hawa Welel	7,976	46.06	5,026	29.03	3,604	20.81	330	1.91	303	1.75	76	0.44
Gawo Dale	12,421	52.15	4,715	19.79	3,555	14.92	1,063	4.46	1,066	4.48	1,000	4.20
Dale Sadi	3,829	34.44	2,401	21.60	1,796	16.16	940	8.46	878	7.90	1,273	11.45
Yubdo	2,724	48.30	837	14.84	954	16.91	333	5.90	328	5.82	464	8.23
Ganji	4,199	43.69	2,056	21.39	1,410	14.67	671	6.98	490	5.10	785	8.17
Haru	6,431	55.88	2,009	17.46	1,144	9.94	660	5.74	570	4.95	694	6.03
Nole Kaba	9,607	41.08	3,433	14.68	4,222	18.05	2,481	10.61	1,630	6.97	2,015	8.62
Lalo Kilie	2,217	28.06	1,914	24.23	1,206	15.27	801	10.14	624	7.90	1,138	14.41
Sayo	10,478	52.80	6,244	31.47	2,645	13.33	224	1.13	231	1.16	22	0.11
Anfilo	9,152	77.25	1,310	11.06	819	6.91	191	1.61	227	1.92	149	1.26
Begi	13,606	44.27	8,864	28.84	5,344	17.39	1,590	5.17	937	3.05	393	1.28
East Welega Zone	76,648	29.38	36,913	14.15	53,343	20.45	25,882	9.92	24,956	9.57	43,151	16.54
Limu	7,071	34.18	2,691	13.01	3,143	15.19	1,814	8.77	1,919	9.28	4,052	19.58
Ibantu	945	18.58	477	9.38	1,018	20.01	712	14.00	712	14.00	1,223	24.04
Gida Kiremu	6,256	28.22	2,627	11.85	5,902	26.62	2,435	10.98	2,402	10.84	2,546	11.49
Jarte	1,326	18.01	358	4.86	1,294	17.57	950	12.90	924	12.55	2,511	34.10
Amuru	1,525	19.71	766	9.90	1,188	15.35	922	11.91	1,074	13.88	2,264	29.25
Abe Dongoro	3,675	38.81	1,461	15.43	1,902	20.08	645	6.81	487	5.14	1,300	13.73
Jimma Horo	5,921	24.65	2,186	9.10	5,631	23.44	2,366	9.85	2,467	10.27	5,452	22.69
Abay Chomen	995	21.10	403	8.55	1,068	22.65	425	9.01	617	13.09	1,207	25.60
Guduru	5,121	23.80	2,973	13.82	4,332	20.13	2,799	13.01	1,952	9.07	4,343	20.18
Jimma Rare	2,041	26.38	1,432	18.51	2,111	27.28	610	7.88	691	8.93	853	11.02
Bila Seyo	3,122	23.18	2,118	15.72	3,256	24.17	1,307	9.70	1,440	10.69	2,227	16.53
Sibu Sire	4,417	29.05	2,268	14.92	3,371	22.17	1,749	11.50	1,510	9.93	1,888	12.42
Guto Wayu	11,779	41.35	5,001	17.56	4,682	16.44	1,579	5.54	2,344	8.23	3,102	10.89
Sasiga	4,390	38.69	1,584	13.96	2,787	24.56	891	7.85	558	4.92	1,136	10.01
Leka Dulecha	2,823	26.75	1,813	17.18	1,679	15.91	1,437	13.61	949	8.99	1,854	17.57
Diga	4,100	34.55	2,872	24.20	2,160	18.20	809	6.82	787	6.63	1,140	9.61
Jimma Arjo	3,894	29.21	1,884	14.13	2,694	20.21	1,994	14.96	1,284	9.63	1,583	11.87
Nunu Kumba	2,914	27.92	1,781	17.06	1,652	15.83	1,294	12.40	1,120	10.73	1,677	16.07
Wama Bonaya	4,339	27.67	2,218	14.15	3,471	22.14	1,143	7.29	1,716	10.94	2,793	17.81
Illibabor Zone	69,841	35.76	46,453	23.79	40,817	20.90	11,949	6.12	11,444	5.86	14,783	7.57
Darimu	8,427	37.75	7,041	31.54	4,067	18.22	700	3.14	1,141	5.11	948	4.25
Supena Sodo	4,627	35.22	1,808	13.76	2,217	16.87	1,292	9.83	959	7.30	2,236	17.02
Chora	5,762	29.47	3,411	17.44	3,697	18.91	2,108	10.78	1,892	9.68	2,684	13.73
Dega	2,948	28.93	1,367	13.41	2,090	20.51	968	9.50	1,193	11.71	1,625	15.95
Bedele	6,061	29.55	3,116	15.19	4,125	20.11	2,396	11.68	1,924	9.38	2,891	14.09
Gechi	2,732	25.08	2,376	21.81	2,476	22.73	879	8.07	960	8.81	1,470	13.49
Borecha Wereda	2,475	27.41	1,700	18.83	1,633	18.08	990	10.96	939	10.40	1,293	14.32
Dedesa	5,759	41.04	3,480	24.80	3,398	24.21	325	2.32	591	4.21	480	3.42
yayu	7,277	37.90	4,309	22.44	4,975	25.91	912	4.75	920	4.79	808	4.21
Metu	11,252	49.68	6,672	29.46	3,797	16.76	496	2.19	273	1.21	161	0.71

Table 8.28B:- Number of Crop Holders that Owned Cattle (For threshing /transportation) by Geographic area. (Contin..)

Geographic area	Number of Crop holders that owned											
	No Cattle		One Cattle		Two Cattle		Three Cattle		Four Cattle		Five and above Cattle	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	6,696	38.58	5,934	34.19	4,203	24.22	301	1.73	222	1.28	-	-
Bure	3,973	33.13	3,457	28.83	3,412	28.45	538	4.49	425	3.54	187	1.56
Nono	1,854	42.03	1,783	40.42	727	16.48	43	0.97	4	0.09	-	-
Jimma Zone	143,812	32.44	120,899	27.27	128,873	29.07	19,729	4.45	16,667	3.76	13,335	3.01
Limu Seka	6,530	22.33	7,354	25.15	8,201	28.04	2,311	7.90	2,448	8.37	2,401	8.21
Limu Kosa	13,991	30.47	12,176	26.52	13,747	29.94	2,635	5.74	2,186	4.76	1,186	2.58
Sokoru	6,757	26.41	6,740	26.34	9,157	35.79	1,164	4.55	843	3.29	925	3.62
Tiro Afeta	4,810	19.93	5,628	23.32	10,064	41.70	1,651	6.84	1,259	5.22	723	3.00
Kersa	4,130	14.01	6,105	20.71	12,336	41.85	2,912	9.88	1,877	6.37	2,114	7.17
Mana	13,235	47.58	8,844	31.79	4,288	15.42	669	2.41	408	1.47	372	1.34
Goma	29,783	60.14	11,146	22.51	7,639	15.43	409	0.83	423	0.85	123	0.25
Gera	5,618	27.01	7,092	34.09	6,079	29.22	658	3.16	842	4.05	514	2.47
Seka chekorsa	21,015	37.25	17,368	30.78	15,230	26.99	1,204	2.13	1,333	2.36	272	0.48
Dedo	13,726	25.40	17,566	32.51	18,058	33.42	1,892	3.50	1,305	2.42	1,488	2.75
Omonada	11,069	24.08	11,342	24.67	16,007	34.82	3,054	6.64	2,772	6.03	1,728	3.76
Sigmo	6,206	38.47	6,052	37.52	3,511	21.76	167	1.04	152	0.94	44	0.27
Setema	6,938	38.02	3,485	19.10	4,558	24.98	1,002	5.49	821	4.50	1,445	7.92
West Shewa Zone	155,606	30.96	89,679	17.84	127,728	25.41	42,677	8.49	37,834	7.53	49,067	9.76
Ginde Beret	9,362	27.84	5,910	17.57	8,972	26.68	3,022	8.99	2,828	8.41	3,536	10.51
Jeldu	10,278	30.50	5,557	16.49	11,794	35.00	2,821	8.37	1,817	5.39	1,434	4.26
Ambo	11,368	28.33	6,008	14.97	7,643	19.05	4,209	10.49	3,293	8.21	7,601	18.94
Cheliya	10,179	27.50	5,117	13.83	7,962	21.51	4,648	12.56	4,119	11.13	4,986	13.47
Bako Tibe	8,100	41.78	1,807	9.32	3,005	15.50	1,619	8.35	1,602	8.26	3,256	16.79
Dano	2,225	14.31	1,261	8.11	4,368	28.10	1,864	11.99	2,344	15.08	3,482	22.40
Nono	6,050	26.15	5,486	23.71	5,883	25.42	2,038	8.81	1,834	7.93	1,849	7.99
Tikur	6,728	53.41	2,815	22.35	1,750	13.89	560	4.45	331	2.63	412	3.27
Amaya	6,097	27.79	5,508	25.10	6,268	28.56	1,311	5.97	1,562	7.12	1,197	5.46
Wonchi	7,246	41.63	5,835	33.52	2,862	16.44	839	4.82	260	1.49	363	2.09
Dendi	12,735	34.32	5,916	15.94	10,180	27.43	3,014	8.12	2,420	6.52	2,841	7.66
Ejerie	4,776	31.38	2,665	17.51	4,496	29.54	1,094	7.19	1,308	8.59	880	5.78
Adda Berga	4,388	22.73	2,752	14.26	5,675	29.40	1,559	8.08	1,725	8.94	3,203	16.59
Walmara	5,197	30.44	1,733	10.15	4,329	25.36	1,553	9.10	1,817	10.64	2,444	14.32
Alem Gana	7,983	38.74	2,543	12.34	5,012	24.32	1,868	9.06	1,473	7.15	1,728	8.39
Kersana Kondaltiti	4,680	21.22	4,672	21.19	5,601	25.40	2,135	9.68	2,166	9.82	2,797	12.68
Tole	2,381	22.89	2,156	20.73	3,153	30.31	1,079	10.37	745	7.16	887	8.53
Elu	3,495	33.76	1,860	17.96	3,309	31.96	636	6.14	745	7.20	309	2.98
Dawo	4,043	30.94	2,557	19.57	2,983	22.83	1,327	10.15	1,074	8.22	1,084	8.30
Walisona Goro	15,019	42.15	7,716	21.65	7,796	21.88	2,063	5.79	1,207	3.39	1,832	5.14
Becho	2,684	23.76	3,154	27.93	3,363	29.78	908	8.04	732	6.48	453	4.01
Kokir	3,845	31.10	3,356	27.15	3,202	25.90	885	7.16	744	6.02	330	2.67
Meta Robi	6,747	28.54	3,294	13.93	8,123	34.36	1,624	6.87	1,688	7.14	2,163	9.15
North Shewa(Oromia) Zone	51,568	21.76	29,856	12.60	63,334	26.72	28,926	12.20	28,787	12.15	34,540	14.57
Wara Jarso	5,387	21.54	3,781	15.12	7,954	31.80	3,409	13.63	2,137	8.54	2,341	9.36
Dera	11,458	32.70	5,564	15.88	9,681	27.63	3,385	9.66	2,726	7.78	2,221	6.34
Hidabu Abote	3,917	24.66	2,693	16.95	4,228	26.62	1,805	11.36	1,566	9.86	1,675	10.55
Kuyu	4,728	23.53	2,654	13.21	7,544	37.55	2,164	10.77	1,615	8.04	1,385	6.89
Degem	4,364	24.33	2,865	15.97	4,251	23.70	2,506	13.97	1,721	9.60	2,229	12.43
Gerar Jarso	1,671	12.69	2,599	19.74	3,666	27.85	2,362	17.94	1,732	13.16	1,133	8.61
Yaya Gulelena Debre	2,916	17.60	2,393	14.45	4,436	26.78	2,253	13.60	2,448	14.78	2,120	12.80
Wuchalena Jido	3,890	17.67	1,240	5.63	4,242	19.27	2,965	13.47	3,599	16.35	6,081	27.62
Abichuna Gna'a	1,824	15.37	670	5.65	1,969	16.59	1,624	13.68	2,451	20.65	3,330	28.06
Kembibit	2,580	23.76	599	5.52	2,533	23.32	1,432	13.19	1,790	16.48	1,926	17.73
Berehna Aleltu	4,716	19.04	2,770	11.18	5,875	23.71	2,337	9.43	3,346	13.51	5,730	23.13
Mulona Sululta	4,118	17.30	2,028	8.52	6,955	29.21	2,684	11.27	3,656	15.35	4,369	18.35

Table 8.28B:-Number of Crop Holders that Owned Cattle (For threshing/transportation) by Geographic area. (Contin..)

Geographic area	Number of Crop holders that owned											
	No Cattle		One Cattle		Two Cattle		Three Cattle		Four Cattle		Five and above Cattle	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	115,458	36.66	62,108	19.72	78,688	24.98	19,031	6.04	20,234	6.42	19,447	6.17
Fentale	2,438	36.51	1,500	22.47	2,231	33.41	247	3.70	173	2.59	88	1.32
Boset	8,944	36.01	5,426	21.85	6,611	26.62	1,204	4.85	1,542	6.21	1,110	4.47
Adama	11,635	43.24	4,821	17.92	5,881	21.86	1,831	6.81	1,245	4.63	1,493	5.55
Lome	3,144	21.59	1,812	12.44	3,926	26.96	1,306	8.97	1,868	12.83	2,508	17.22
Gimbichu	2,425	15.58	2,402	15.43	3,839	24.66	2,274	14.61	2,087	13.40	2,542	16.33
Ada'a Liben Chukala	11,119	27.68	4,697	11.69	10,744	26.74	3,578	8.91	4,598	11.44	5,440	13.54
Dugda Bora	8,175	28.34	5,687	19.72	9,050	31.38	1,897	6.58	2,321	8.05	1,714	5.94
Adami Tullu Jido	9,734	40.91	4,482	18.84	6,662	28.00	1,012	4.25	1,229	5.17	675	2.84
Arsi Negele	10,027	37.72	6,522	24.53	7,098	26.70	1,352	5.09	957	3.60	628	2.36
Shashemene	23,895	51.82	12,007	26.04	7,151	15.51	1,402	3.04	1,150	2.49	503	1.09
Seraro	20,802	43.15	11,036	22.89	13,064	27.10	1,452	3.01	1,754	3.64	101	0.21
Akaki	3,114	24.53	1,717	13.52	2,432	19.16	1,477	11.63	1,310	10.32	2,646	20.84
Arsi Zone	125,469	25.45	88,315	17.91	124,737	25.30	50,287	10.20	44,644	9.06	59,555	12.08
Merti	4,389	19.29	3,746	16.47	5,353	23.53	2,966	13.04	2,854	12.55	3,442	15.13
Aseko	2,945	20.46	3,353	23.29	3,290	22.85	1,752	12.17	1,398	9.71	1,658	11.52
Gololcha	10,325	35.39	9,664	33.12	6,795	23.29	1,550	5.31	545	1.87	299	1.02
Jeju	6,004	27.02	5,450	24.53	6,313	28.42	1,409	6.34	1,543	6.95	1,498	6.74
Dodotana Sire	6,325	27.64	4,772	20.85	5,785	25.28	1,974	8.62	1,956	8.55	2,075	9.07
Zeway Dugda	6,425	30.31	5,100	24.06	5,705	26.91	1,513	7.14	1,476	6.96	981	4.63
Hitosa	10,198	26.00	5,919	15.09	9,225	23.52	4,151	10.58	3,930	10.02	5,806	14.80
Sude	5,217	20.46	4,415	17.31	6,890	27.02	2,729	10.70	2,628	10.31	3,622	14.20
Chole	3,753	23.58	2,368	14.88	4,954	31.12	1,951	12.26	1,561	9.81	1,331	8.36
Amigna	1,880	16.82	1,732	15.50	2,691	24.08	1,031	9.23	1,458	13.05	2,384	21.33
Seru	3,328	18.28	2,159	11.86	6,107	33.55	1,976	10.85	1,622	8.91	3,013	16.55
Robe	4,806	17.76	3,234	11.95	6,924	25.59	3,469	12.82	2,973	10.99	5,656	20.90
Tena	4,564	22.07	3,007	14.54	4,806	23.24	2,562	12.39	2,053	9.93	3,692	17.85
Sherka	4,409	16.70	4,419	16.74	7,237	27.41	3,792	14.36	2,763	10.46	3,785	14.33
Digeluna Tijo	5,592	25.21	3,049	13.75	5,015	22.61	2,585	11.65	2,216	9.99	3,724	16.79
Tiyo	3,952	24.73	2,381	14.90	4,074	25.50	1,993	12.47	1,657	10.37	1,921	12.02
Munesa	9,328	26.52	5,755	16.36	9,771	27.78	3,998	11.37	3,386	9.63	2,933	8.34
Bekoji	7,880	21.89	4,620	12.84	8,152	22.65	4,737	13.16	4,474	12.43	6,132	17.04
Gedeb	6,029	24.26	5,269	21.21	7,419	29.86	1,912	7.70	2,012	8.10	2,206	8.88
Kofele	18,117	43.11	7,903	18.80	8,232	19.59	2,238	5.33	2,140	5.09	3,398	8.09
West Harerge Zone	110,745	38.01	77,431	26.58	72,954	25.04	17,353	5.96	8,729	3.00	4,144	1.42
Mieso	2,807	17.12	4,461	27.20	7,145	43.57	1,142	6.96	641	3.91	204	1.24
Doba	6,162	27.06	7,863	34.54	6,642	29.17	830	3.65	578	2.54	693	3.04
Tulo	9,010	37.03	7,167	29.46	5,815	23.90	1,392	5.72	687	2.82	258	1.06
Mesela	16,526	63.96	4,765	18.44	2,859	11.06	1,149	4.45	450	1.74	91	0.35
Chiro	28,533	45.75	15,516	24.88	13,816	22.15	2,592	4.16	1,469	2.36	442	0.71
Goba Koricha	4,849	24.23	4,658	23.27	7,380	36.87	1,893	9.46	907	4.53	327	1.63
Anchar	3,466	25.81	3,334	24.83	4,033	30.03	1,671	12.44	643	4.79	283	2.11
Habro	13,512	44.47	8,721	28.70	5,042	16.59	2,015	6.63	658	2.17	438	1.44
Darolebu	9,433	34.97	7,693	28.52	8,225	30.49	1,041	3.86	542	2.01	44	0.16
Boke	8,505	38.41	5,359	24.20	6,300	28.45	1,164	5.26	636	2.87	180	0.81
Kuni	7,946	29.76	7,892	29.56	5,697	21.34	2,463	9.22	1,518	5.69	1,185	4.44
East Harerge Zone	241,231	62.30	97,305	25.13	43,839	11.32	3,312	0.86	1,249	0.32	257	0.07
Kombolcha	18,891	91.22	1,158	5.59	635	3.07	26	0.13	-	-	-	-
Jarso	11,393	66.81	4,284	25.12	1,241	7.28	100	0.59	-	-	34	0.20
Gursum	11,548	45.17	5,868	22.95	6,526	25.53	900	3.52	637	2.49	88	0.34
Babile	2,768	27.04	2,500	24.42	4,642	45.35	172	1.68	155	1.51	-	-
Fedis	12,469	50.76	7,363	29.97	4,633	18.86	100	0.41	-	-	-	-
Haro Maya	28,455	90.61	2,728	8.69	221	0.70	-	-	-	-	-	-
Kurfa Chele	4,469	62.75	2,273	31.92	321	4.51	49	0.69	-	-	10	0.14
Kersa	16,620	59.90	8,712	31.40	2,111	7.61	211	0.76	91	0.33	-	-

Table 8.28B:- Number of Crop Holders that Owned Cattle (For threshing/transportation) by Geographic area. (Contin...)

Geographic area	Number of Crop holders that owned											
	No Cattle		One Cattle		Two Cattle		Three Cattle		Four Cattle		Five and above Cattle	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	23,019	52.58	16,305	37.25	4,239	9.68	163	0.37	49	0.11	-	-
Goro Gutu	12,670	49.27	9,202	35.78	3,688	14.34	93	0.36	35	0.14	30	0.12
Deder	22,342	58.39	11,539	30.16	3,996	10.44	388	1.01	-	-	-	-
Malka Balo	16,788	67.34	5,045	20.24	2,685	10.77	238	0.95	100	0.40	74	0.30
Bedeno	28,722	66.25	10,018	23.11	4,253	9.81	320	0.74	43	0.10	-	-
Girawa	28,642	73.66	8,051	20.70	1,715	4.41	403	1.04	75	0.19	-	-
Gola Oda	2,435	30.98	2,258	28.72	2,934	37.32	151	1.92	63	0.80	20	0.25
Bale Zone	102,671	39.63	43,517	16.80	68,868	26.58	15,903	6.14	16,089	6.21	12,010	4.64
Kokosa	22,246	95.17	705	3.02	332	1.42	92	0.39	-	-	-	-
Dodola	8,821	37.30	5,306	22.44	5,191	21.95	1,354	5.73	1,829	7.73	1,149	4.86
Adaba	5,657	28.49	3,632	18.29	5,762	29.02	1,704	8.58	1,653	8.32	1,448	7.29
Agarfa	2,477	18.84	1,902	14.47	4,368	33.23	1,364	10.38	1,284	9.77	1,751	13.32
Gasera	3,114	25.76	1,259	10.42	4,038	33.41	1,143	9.46	1,199	9.92	1,335	11.04
Gololcha	3,792	25.43	2,670	17.90	4,541	30.45	1,305	8.75	1,166	7.82	1,440	9.66
Legehida	3,633	44.89	1,746	21.57	1,629	20.13	493	6.09	340	4.20	253	3.13
Ginir	5,278	24.38	4,381	20.23	7,412	34.23	1,611	7.44	1,840	8.50	1,131	5.22
Sinanana Dinsho	4,662	18.66	3,069	12.28	9,749	39.01	2,578	10.32	3,088	12.36	1,842	7.37
Goba	1,615	22.48	1,248	17.37	2,880	40.09	648	9.02	557	7.75	235	3.27
Mennana Arena Buluk	8,910	46.41	4,103	21.37	4,798	24.99	592	3.08	576	3.00	219	1.14
Nensebo	12,551	88.58	573	4.04	609	4.30	199	1.40	123	0.87	114	0.80
Meda Welabu	4,750	37.83	2,865	22.82	4,372	34.82	235	1.87	250	1.99	85	0.68
Berbere	3,971	38.88	2,152	21.07	3,425	33.54	443	4.34	161	1.58	61	0.60
Guradamole	1,094	26.30	1,094	26.30	1,325	31.85	342	8.22	192	4.62	113	2.72
Goro	3,063	19.22	2,890	18.14	5,961	37.41	1,488	9.34	1,719	10.79	813	5.10
Raytu	3,378	54.77	1,780	28.86	929	15.06	55	0.89	19	0.31	7	0.11
Seweyna	3,656	47.41	2,141	27.77	1,546	20.05	257	3.33	95	1.23	16	0.21
Borena Zone	198,469	70.10	16,242	5.74	50,093	17.69	4,998	1.77	7,470	2.64	5,832	2.06
Uraga	36,477	85.58	1,819	4.27	3,735	8.76	267	0.63	325	0.76	-	-
Bore	18,619	61.18	2,605	8.56	7,259	23.85	253	0.83	768	2.52	929	3.05
Adolana Wadera	7,563	33.44	1,537	6.80	9,066	40.09	1,562	6.91	1,615	7.14	1,273	5.63
Odo Shakiso	10,117	72.19	670	4.78	2,161	15.42	438	3.13	98	0.70	531	3.79
Hager Mariam	74,908	86.98	1,899	2.21	6,157	7.15	667	0.77	910	1.06	1,575	1.83
Yabelo	5,759	57.13	1,064	10.55	2,345	23.26	177	1.76	629	6.24	107	1.06
Arero	2,196	65.93	348	10.45	622	18.67	7	0.21	146	4.38	12	0.36
Liben	6,489	43.71	1,347	9.07	5,373	36.20	267	1.80	744	5.01	624	4.20
Moyale	5,254	48.94	1,106	10.30	3,339	31.10	214	1.99	738	6.87	85	0.79
Dire	5,976	43.56	1,696	12.36	4,312	31.43	424	3.09	883	6.44	428	3.12
Teltele	2,655	36.07	1,387	18.84	2,588	35.16	251	3.41	252	3.42	228	3.10
Gelana Abaya	22,455	82.47	765	2.81	3,136	11.52	471	1.73	363	1.33	39	0.14

Table 8.29B:- Number of Crop Holders that Owned Horse (For threshing or transportation) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Horse		One Horse		Two Horses		Three Horses		Four Horses		Five and above Horses	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	3,611,742	90.71	266,440	6.69	78,411	1.97	17,992	0.45	5,230	0.13	1,889	0.05
West Welega Zone	310,211	98.82	3,012	0.96	627	0.20	73	0.02	-	-	-	-
Mana Sibu	26,993	99.89	29	0.11	-	-	-	-	-	-	-	-
Nejo	17,916	100.00	-	-	-	-	-	-	-	-	-	-
Gimbi	17,061	99.80	35	0.20	-	-	-	-	-	-	-	-
Lalo Asabi	10,892	99.87	14	0.13	-	-	-	-	-	-	-	-
Boji	15,188	100.00	-	-	-	-	-	-	-	-	-	-
Ayra Guliso	16,266	99.36	83	0.51	22	0.13	-	-	-	-	-	-
Jarso	16,190	100.00	-	-	-	-	-	-	-	-	-	-
Gidami	13,545	99.33	91	0.67	-	-	-	-	-	-	-	-
Jimma Horo	6,835	99.51	25	0.36	9	0.13	-	-	-	-	-	-
Hawa Welel	16,395	94.69	713	4.12	207	1.20	-	-	-	-	-	-
Gawo Dale	23,755	99.73	65	0.27	-	-	-	-	-	-	-	-
Dale Sadi	11,103	99.87	14	0.13	-	-	-	-	-	-	-	-
Yubdo	5,577	98.88	56	0.99	7	0.12	-	-	-	-	-	-
Ganji	9,557	99.44	54	0.56	-	-	-	-	-	-	-	-
Haru	11,481	99.77	27	0.23	-	-	-	-	-	-	-	-
Nole Kaba	22,697	97.05	548	2.34	115	0.49	28	0.12	-	-	-	-
Lalo Kilie	7,861	99.51	39	0.49	-	-	-	-	-	-	-	-
Sayo	18,911	95.30	704	3.55	207	1.04	22	0.11	-	-	-	-
Anfilo	11,286	95.26	479	4.04	60	0.51	23	0.19	-	-	-	-
Begi	30,697	99.88	37	0.12	-	-	-	-	-	-	-	-
East Welega Zone	249,611	95.68	7,530	2.89	2,590	0.99	713	0.27	203	0.08	246	0.09
Limu	20,690	100.00	-	-	-	-	-	-	-	-	-	-
Ibantu	5,081	99.88	6	0.12	-	-	-	-	-	-	-	-
Gida Kiremu	22,168	100.00	-	-	-	-	-	-	-	-	-	-
Jarte	7,200	97.79	133	1.81	21	0.29	-	-	9	0.12	-	-
Amuru	7,729	99.87	10	0.13	-	-	-	-	-	-	-	-
Abe Dongoro	9,264	97.82	138	1.46	48	0.51	-	-	10	0.11	10	0.11
Jimma Horo	17,793	74.07	3,504	14.59	1,721	7.16	616	2.56	178	0.74	211	0.88
Abay Chomen	4,658	98.79	36	0.76	14	0.30	-	-	7	0.15	-	-
Guduru	20,915	97.19	484	2.25	96	0.45	25	0.12	-	-	-	-
Jimma Rare	6,496	83.95	967	12.50	255	3.30	10	0.13	-	-	10	0.13
Bila Seyo	12,765	94.77	539	4.00	149	1.11	17	0.13	-	-	-	-
Sibu Sire	14,850	97.68	204	1.34	149	0.98	-	-	-	-	-	-
Guto Wayu	27,622	96.96	696	2.44	137	0.48	32	0.11	-	-	-	-
Sasiga	11,332	99.88	14	0.12	-	-	-	-	-	-	-	-
Leka Dulecha	10,210	96.73	333	3.15	-	-	12	0.11	-	-	-	-
Diga	11,757	99.06	111	0.94	-	-	-	-	-	-	-	-
Jimma Arjo	12,979	97.34	338	2.54	-	-	-	-	-	-	16	0.12
Nunu Kumba	10,438	100.00	-	-	-	-	-	-	-	-	-	-
Wama Bonaya	15,664	99.90	16	0.10	-	-	-	-	-	-	-	-
Illibabor Zone	179,661	92.00	12,445	6.37	2,641	1.35	410	0.21	117	0.06	13	0.01
Darimu	21,974	98.43	259	1.16	91	0.41	-	-	-	-	-	-
Supena Sodo	11,506	87.57	1,228	9.35	299	2.28	57	0.43	49	0.37	-	-
Chora	17,457	89.28	1,839	9.40	258	1.32	-	-	-	-	-	-
Dega	9,072	89.02	787	7.72	295	2.89	37	0.36	-	-	-	-
Bedele	20,170	98.33	311	1.52	32	0.16	-	-	-	-	-	-
Gechi	9,851	90.43	638	5.86	294	2.70	69	0.63	28	0.26	13	0.12
Borecha Wereda	8,554	94.73	408	4.52	45	0.50	23	0.25	-	-	-	-
Dedesa	13,614	97.01	346	2.47	14	0.10	59	0.42	-	-	-	-
yayu	17,386	90.55	1,547	8.06	239	1.24	29	0.15	-	-	-	-
Metu	20,790	91.78	1,529	6.75	332	1.47	-	-	-	-	-	-

Table 8.29B:- Number of Crop Holders that Owned Horse (For threshing /transportation) by Geographic area. (Contin..)

Geographic area	Number of Crop holders that owned											
	No Horse		One Horse		Two Horses		Three Horses		Four Horses		Five and above Horses	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	14,012	80.73	2,577	14.85	609	3.51	118	0.68	40	0.23	-	-
Bure	11,545	96.27	393	3.28	54	0.45	-	-	-	-	-	-
Nono	3,731	84.58	582	13.19	79	1.79	19	0.43	-	-	-	-
Jimma Zone	405,495	91.47	32,205	7.26	5,039	1.14	378	0.09	178	0.04	20	0.00
Limu Seka	29,125	99.59	120	0.41	-	-	-	-	-	-	-	-
Limu Kosa	45,045	98.09	876	1.91	-	-	-	-	-	-	-	-
Sokoru	25,384	99.21	202	0.79	-	-	-	-	-	-	-	-
Tiro Afeta	21,734	90.05	2,125	8.80	276	1.14	-	-	-	-	-	-
Kersa	27,485	93.25	1,787	6.06	202	0.69	-	-	-	-	-	-
Mana	26,758	96.20	972	3.49	86	0.31	-	-	-	-	-	-
Goma	47,312	95.54	1,895	3.83	316	0.64	-	-	-	-	-	-
Gera	17,421	83.74	2,597	12.48	637	3.06	63	0.30	65	0.31	20	0.10
Seka chekorsa	49,811	88.28	5,761	10.21	775	1.37	75	0.13	-	-	-	-
Dedo	46,536	86.12	6,740	12.47	759	1.40	-	-	-	-	-	-
Omonada	40,033	87.08	5,057	11.00	882	1.92	-	-	-	-	-	-
Sigmo	13,633	84.51	2,107	13.06	348	2.16	44	0.27	-	-	-	-
Setema	15,217	83.39	1,966	10.77	758	4.15	195	1.07	113	0.62	-	-
West Shewa Zone	429,991	85.55	51,858	10.32	14,657	2.92	4,424	0.88	1,256	0.25	405	0.08
Ginde Beret	29,223	86.90	2,742	8.15	1,263	3.76	363	1.08	39	0.12	-	-
Jeldu	26,104	77.46	4,420	13.12	1,971	5.85	936	2.78	227	0.67	43	0.13
Ambo	31,389	78.23	5,970	14.88	1,757	4.38	775	1.93	185	0.46	46	0.11
Cheliya	32,887	88.86	2,563	6.92	1,299	3.51	214	0.58	48	0.13	-	-
Bako Tibe	18,486	95.34	855	4.41	-	-	48	0.25	-	-	-	-
Dano	14,608	93.98	772	4.97	124	0.80	-	-	20	0.13	20	0.13
Nono	18,774	81.13	3,105	13.42	900	3.89	278	1.20	83	0.36	-	-
Tikur	6,653	52.82	4,322	34.31	1,297	10.30	212	1.68	56	0.44	56	0.44
Amaya	20,387	92.91	1,453	6.62	103	0.47	-	-	-	-	-	-
Wonchi	14,924	85.75	2,370	13.62	87	0.50	24	0.14	-	-	-	-
Dendi	27,442	73.96	5,586	15.05	2,676	7.21	951	2.56	311	0.84	140	0.38
Ejerie	11,929	78.38	2,067	13.58	908	5.97	241	1.58	18	0.12	56	0.37
Adda Berga	16,266	84.27	1,984	10.28	766	3.97	129	0.67	157	0.81	-	-
Walmara	14,492	84.88	2,035	11.92	414	2.42	64	0.37	23	0.13	45	0.26
Alem Gana	19,964	96.88	563	2.73	49	0.24	-	-	31	0.15	-	-
Kersana Kondaltiti	19,566	88.73	2,084	9.45	370	1.68	31	0.14	-	-	-	-
Tole	9,251	88.94	1,042	10.02	83	0.80	25	0.24	-	-	-	-
Elu	9,655	93.25	686	6.63	13	0.13	-	-	-	-	-	-
Dawo	11,948	91.43	1,041	7.97	48	0.37	31	0.24	-	-	-	-
Walisona Goro	34,167	95.89	1,466	4.11	-	-	-	-	-	-	-	-
Becho	10,899	96.50	368	3.26	27	0.24	-	-	-	-	-	-
Kokir	9,393	75.98	2,825	22.85	128	1.04	16	0.13	-	-	-	-
Meta Robi	21,583	91.30	1,538	6.51	375	1.59	84	0.36	59	0.25	-	-
North Shewa(Oromia) Zone	217,179	91.63	15,597	6.58	3,663	1.55	446	0.19	73	0.03	53	0.02
Wara Jarso	24,779	99.08	199	0.80	-	-	31	0.12	-	-	-	-
Dera	34,989	99.87	46	0.13	-	-	-	-	-	-	-	-
Hidabu Abote	15,532	97.78	328	2.06	24	0.15	-	-	-	-	-	-
Kuyu	19,618	97.65	446	2.22	26	0.13	-	-	-	-	-	-
Degem	17,502	97.58	367	2.05	67	0.37	-	-	-	-	-	-
Gerar Jarso	12,546	95.31	586	4.45	14	0.11	17	0.13	-	-	-	-
Yaya Gulelena Debre	15,414	93.05	1,058	6.39	94	0.57	-	-	-	-	-	-
Wuchalena Jido	17,990	81.71	2,529	11.49	1,149	5.22	240	1.09	56	0.25	53	0.24
Abichuna Gna'a	9,017	75.98	2,274	19.16	532	4.48	45	0.38	-	-	-	-
Kembibit	8,690	80.02	1,693	15.59	378	3.48	83	0.76	16	0.15	-	-
Berehna Aleltu	20,753	83.77	3,287	13.27	734	2.96	-	-	-	-	-	-
Mulona Sululta	20,352	85.48	2,784	11.69	644	2.70	30	0.13	-	-	-	-

Table 8.29B:- Number of Crop Holders that Owned Horse (For threshing/transportation) by Geographic area. (Contin...)

Geographic area	Number of Crop holders that owned											
	No Horse		One Horse		Two Horses		Three Horses		Four Horses		Five and above Horses	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	304,167	96.57	8,057	2.56	2,141	0.68	413	0.13	188	0.06	-	-
Fentale	6,669	99.88	8	0.12	-	-	-	-	-	-	-	-
Boset	24,576	98.95	261	1.05	-	-	-	-	-	-	-	-
Adama	26,496	98.48	358	1.33	52	0.19	-	-	-	-	-	-
Lome	14,530	99.77	34	0.23	-	-	-	-	-	-	-	-
Gimbichu	14,659	94.16	858	5.51	52	0.33	-	-	-	-	-	-
Ada'a Liben Chukala	39,018	97.12	1,044	2.60	114	0.28	-	-	-	-	-	-
Dugda Bora	28,552	98.99	109	0.38	152	0.53	31	0.11	-	-	-	-
Adami Tullu Jido	23,163	97.35	502	2.11	129	0.54	-	-	-	-	-	-
Arsi Negele	24,095	90.64	1,922	7.23	401	1.51	140	0.53	26	0.10	-	-
Shashemene	42,769	92.76	1,771	3.84	1,165	2.53	242	0.52	161	0.35	-	-
Seraro	47,350	98.22	809	1.68	50	0.10	-	-	-	-	-	-
Akaki	12,288	96.79	382	3.01	26	0.20	-	-	-	-	-	-
Arsi Zone	380,785	77.24	76,156	15.45	27,315	5.54	6,341	1.29	1,739	0.35	671	0.14
Merti	18,049	79.34	3,911	17.19	685	3.01	77	0.34	28	0.12	-	-
Aseko	11,919	82.79	1,825	12.68	579	4.02	54	0.38	19	0.13	-	-
Gololcha	28,513	97.72	665	2.28	-	-	-	-	-	-	-	-
Jeju	18,541	83.45	2,932	13.20	697	3.14	47	0.21	-	-	-	-
Dodotana Sire	21,489	93.89	1,172	5.12	201	0.88	25	0.11	-	-	-	-
Zeway Dugda	20,634	97.33	510	2.41	56	0.26	-	-	-	-	-	-
Hitosa	35,624	90.81	3,200	8.16	361	0.92	44	0.11	-	-	-	-
Sude	20,502	80.40	4,508	17.68	393	1.54	98	0.38	-	-	-	-
Chole	11,522	72.38	2,916	18.32	1,258	7.90	187	1.17	35	0.22	-	-
Amigna	9,737	87.12	1,350	12.08	75	0.67	14	0.13	-	-	-	-
Seru	16,075	88.30	1,935	10.63	195	1.07	-	-	-	-	-	-
Robe	25,132	92.87	1,868	6.90	62	0.23	-	-	-	-	-	-
Tena	16,311	78.86	3,390	16.39	726	3.51	230	1.11	-	-	27	0.13
Sherka	20,995	79.51	4,219	15.98	950	3.60	209	0.79	32	0.12	-	-
Digeluna Tijo	12,596	56.79	6,664	30.04	2,469	11.13	391	1.76	61	0.28	-	-
Tiyo	12,112	75.80	2,658	16.64	945	5.91	263	1.65	-	-	-	-
Munesa	23,554	66.97	7,618	21.66	2,998	8.52	651	1.85	209	0.59	141	0.40
Bekoji	24,482	68.02	6,378	17.72	3,534	9.82	1,055	2.93	355	0.99	191	0.53
Gedeb	14,112	56.80	6,662	26.81	3,146	12.66	757	3.05	135	0.54	35	0.14
Kofele	18,882	44.93	11,776	28.02	7,987	19.00	2,239	5.33	866	2.06	278	0.66
West Harerge Zone	290,700	99.77	656	0.23	-	-	-	-	-	-	-	-
Mieso	16,400	100.00	-	-	-	-	-	-	-	-	-	-
Doba	22,768	100.00	-	-	-	-	-	-	-	-	-	-
Tulo	24,307	99.91	22	0.09	-	-	-	-	-	-	-	-
Mesela	25,708	99.49	132	0.51	-	-	-	-	-	-	-	-
Chiro	62,202	99.73	166	0.27	-	-	-	-	-	-	-	-
Goba Koricha	19,988	99.87	26	0.13	-	-	-	-	-	-	-	-
Anchar	13,292	98.97	138	1.03	-	-	-	-	-	-	-	-
Habro	30,386	100.00	-	-	-	-	-	-	-	-	-	-
Darolebu	26,978	100.00	-	-	-	-	-	-	-	-	-	-
Boke	22,111	99.85	33	0.15	-	-	-	-	-	-	-	-
Kuni	26,563	99.48	138	0.52	-	-	-	-	-	-	-	-
East Harerge Zone	384,286	99.25	2,799	0.72	99	0.03	9	0.00	-	-	-	-
Kombolcha	20,710	100.00	-	-	-	-	-	-	-	-	-	-
Jarso	17,052	100.00	-	-	-	-	-	-	-	-	-	-
Gursum	25,567	100.00	-	-	-	-	-	-	-	-	-	-
Babile	10,237	100.00	-	-	-	-	-	-	-	-	-	-
Fedis	24,565	100.00	-	-	-	-	-	-	-	-	-	-
Haro Maya	31,404	100.00	-	-	-	-	-	-	-	-	-	-
Kurfa Chele	7,082	99.44	31	0.44	-	-	9	0.13	-	-	-	-
Kersa	27,338	98.53	407	1.47	-	-	-	-	-	-	-	-

Table 8.29B:- Number of Crop Holders that Owned Horse (For threshing/transportation) by Geographic area. (Contin...)

Geographic area	Number of Crop holders that owned											
	No Horse		One Horse		Two Horses		Three Horses		Four Horses		Five and above Horses	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	43,390	99.12	329	0.75	56	0.13	-	-	-	-	-	-
Goro Gutu	25,569	99.42	149	0.58	-	-	-	-	-	-	-	-
Deder	36,920	96.49	1,345	3.51	-	-	-	-	-	-	-	-
Malka Balo	24,445	98.05	442	1.77	43	0.17	-	-	-	-	-	-
Bedeno	43,356	100.00	-	-	-	-	-	-	-	-	-	-
Girawa	38,790	99.75	96	0.25	-	-	-	-	-	-	-	-
Gola Oda	7,861	100.00	-	-	-	-	-	-	-	-	-	-
Bale Zone	221,794	85.62	25,112	9.69	8,621	3.33	2,695	1.04	692	0.27	144	0.06
Kokosa	17,701	75.73	4,205	17.99	1,191	5.10	224	0.96	28	0.12	26	0.11
Dodola	13,843	58.53	6,043	25.55	2,993	12.66	518	2.19	199	0.84	54	0.23
Adaba	15,220	76.65	2,982	15.02	1,143	5.76	421	2.12	44	0.22	46	0.23
Agarfa	11,431	86.95	1,376	10.47	279	2.12	45	0.34	15	0.11	-	-
Gasera	10,873	89.95	1,201	9.94	14	0.12	-	-	-	-	-	-
Gololcha	14,681	98.44	218	1.46	15	0.10	-	-	-	-	-	-
Legehida	8,069	99.69	25	0.31	-	-	-	-	-	-	-	-
Ginir	21,521	99.39	132	0.61	-	-	-	-	-	-	-	-
Sinanana Dinsho	19,759	79.07	3,184	12.74	1,159	4.64	756	3.03	130	0.52	-	-
Goba	3,673	51.13	2,108	29.35	893	12.43	338	4.71	153	2.13	18	0.25
Mennana Arena Buluk	18,465	96.18	681	3.55	52	0.27	-	-	-	-	-	-
Nensebo	10,314	72.79	2,456	17.33	884	6.24	392	2.77	123	0.87	-	-
Meda Welabu	12,541	99.87	16	0.13	-	-	-	-	-	-	-	-
Berbere	10,107	98.96	106	1.04	-	-	-	-	-	-	-	-
Guradamole	4,014	96.49	146	3.51	-	-	-	-	-	-	-	-
Goro	15,720	98.66	214	1.34	-	-	-	-	-	-	-	-
Raytu	6,158	99.84	10	0.16	-	-	-	-	-	-	-	-
Seweyna	7,701	99.87	10	0.13	-	-	-	-	-	-	-	-
Borena Zone	237,865	84.02	31,013	10.95	11,016	3.89	2,091	0.74	783	0.28	336	0.12
Uraga	22,829	53.56	13,744	32.25	4,709	11.05	961	2.25	267	0.63	113	0.27
Bore	17,723	58.24	6,572	21.59	4,427	14.55	996	3.27	516	1.70	199	0.65
Adolana Wadera	22,398	99.04	171	0.76	47	0.21	-	-	-	-	-	-
Odo Shakiso	13,113	93.56	785	5.60	97	0.69	20	0.14	-	-	-	-
Hager Mariam	74,923	87.00	9,383	10.90	1,696	1.97	114	0.13	-	-	-	-
Yabelo	10,035	99.54	46	0.46	-	-	-	-	-	-	-	-
Arero	3,325	99.82	6	0.18	-	-	-	-	-	-	-	-
Liben	14,844	100.00	-	-	-	-	-	-	-	-	-	-
Moyale	10,736	100.00	-	-	-	-	-	-	-	-	-	-
Dire	13,552	98.78	144	1.05	-	-	-	-	-	-	23	0.17
Teltele	7,361	100.00	-	-	-	-	-	-	-	-	-	-
Gelana Abaya	27,028	99.26	161	0.59	40	0.15	-	-	-	-	-	-

Table 8.30B:- Number of Crop Holders that Owned Mule (For threshing / transportation) by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Mule		One Mule		Two Mules		Three Mules		Four Mules		Five and above Mules	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	3,892,779	97.77	86,228	2.17	2,456	0.06	109	0.00	103	0.00	29	0.00
West Welega Zone	306,995	97.79	6,748	2.15	163	0.05	-	-	17	0.01	-	-
Mana Sibu	26,637	98.58	385	1.42	-	-	-	-	-	-	-	-
Nejo	17,739	99.01	177	0.99	-	-	-	-	-	-	-	-
Gimbi	16,962	99.22	134	0.78	-	-	-	-	-	-	-	-
Lalo Asabi	10,830	99.30	76	0.70	-	-	-	-	-	-	-	-
Boji	14,951	98.44	216	1.42	21	0.14	-	-	-	-	-	-
Ayra Guliso	16,200	98.96	171	1.04	-	-	-	-	-	-	-	-
Jarso	15,900	98.21	290	1.79	-	-	-	-	-	-	-	-
Gidami	12,904	94.63	702	5.15	30	0.22	-	-	-	-	-	-
Jimma Horo	6,512	94.80	357	5.20	-	-	-	-	-	-	-	-
Hawa Welel	16,573	95.71	722	4.17	20	0.12	-	-	-	-	-	-
Gawo Dale	23,223	97.49	597	2.51	-	-	-	-	-	-	-	-
Dale Sadi	10,954	98.53	163	1.47	-	-	-	-	-	-	-	-
Yubdo	5,594	99.18	46	0.82	-	-	-	-	-	-	-	-
Ganji	9,418	97.99	193	2.01	-	-	-	-	-	-	-	-
Haru	11,436	99.37	72	0.63	-	-	-	-	-	-	-	-
Nole Kaba	22,969	98.21	386	1.65	33	0.14	-	-	-	-	-	-
Lalo Kilie	7,880	99.75	20	0.25	-	-	-	-	-	-	-	-
Sayo	19,128	96.39	692	3.49	24	0.12	-	-	-	-	-	-
Anfilo	11,114	93.80	682	5.76	35	0.30	-	-	17	0.14	-	-
Begi	30,065	97.82	669	2.18	-	-	-	-	-	-	-	-
East Welega Zone	254,827	97.67	5,914	2.27	135	0.05	-	-	17	0.01	-	-
Limu	20,157	97.42	533	2.58	-	-	-	-	-	-	-	-
Ibantu	4,984	97.98	103	2.02	-	-	-	-	-	-	-	-
Gida Kiremu	21,838	98.51	330	1.49	-	-	-	-	-	-	-	-
Jarte	6,953	94.43	410	5.57	-	-	-	-	-	-	-	-
Amuru	7,595	98.14	144	1.86	-	-	-	-	-	-	-	-
Abe Dongoro	9,360	98.84	110	1.16	-	-	-	-	-	-	-	-
Jimma Horo	23,102	96.17	889	3.70	32	0.13	-	-	-	-	-	-
Abay Chomen	4,635	98.30	80	1.70	-	-	-	-	-	-	-	-
Guduru	20,886	97.05	634	2.95	-	-	-	-	-	-	-	-
Jimma Rare	7,653	98.90	53	0.68	32	0.41	-	-	-	-	-	-
Bila Seyo	12,880	95.62	554	4.11	19	0.14	-	-	17	0.13	-	-
Sibu Sire	14,922	98.15	281	1.85	-	-	-	-	-	-	-	-
Guto Wayu	28,098	98.63	350	1.23	39	0.14	-	-	-	-	-	-
Sasiga	11,320	99.77	13	0.11	13	0.11	-	-	-	-	-	-
Leka Dulecha	10,462	99.12	93	0.88	-	-	-	-	-	-	-	-
Diga	11,842	99.78	26	0.22	-	-	-	-	-	-	-	-
Jimma Arjo	13,243	99.32	90	0.68	-	-	-	-	-	-	-	-
Nunu Kumba	10,086	96.63	352	3.37	-	-	-	-	-	-	-	-
Wama Bonaya	14,812	94.46	868	5.54	-	-	-	-	-	-	-	-
Illibabor Zone	190,492	97.54	4,521	2.32	222	0.11	52	0.03	-	-	-	-
Darimu	22,198	99.44	126	0.56	-	-	-	-	-	-	-	-
Supena Sodo	12,706	96.70	402	3.06	15	0.11	16	0.12	-	-	-	-
Chora	18,883	96.57	671	3.43	-	-	-	-	-	-	-	-
Dega	9,674	94.93	444	4.36	61	0.60	12	0.12	-	-	-	-
Bedele	19,925	97.13	561	2.73	27	0.13	-	-	-	-	-	-
Gechi	10,562	96.96	318	2.92	13	0.12	-	-	-	-	-	-
Borecha Wereda	8,737	96.76	282	3.12	11	0.12	-	-	-	-	-	-
Dedesa	13,276	94.61	692	4.93	41	0.29	24	0.17	-	-	-	-
yayu	18,680	97.29	467	2.43	54	0.28	-	-	-	-	-	-
Metu	22,339	98.62	312	1.38	-	-	-	-	-	-	-	-

Table 8.30B:- Number of Crop Holders that Owned Mule (For threshing /transportation) by Geographic area. (Contin...)

Geographic area	Number of Crop holders that owned											
	No Mule		One Mule		Two Mules		Three Mules		Four Mules		Five and above Mules	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	17,222	99.23	134	0.77	-	-	-	-	-	-	-	-
Bure	11,923	99.42	69	0.58	-	-	-	-	-	-	-	-
Nono	4,368	99.03	43	0.97	-	-	-	-	-	-	-	-
Jimma Zone	421,484	95.08	21,326	4.81	465	0.10	17	0.00	23	0.01	-	-
Limu Seka	28,196	96.41	1,049	3.59	-	-	-	-	-	-	-	-
Limu Kosa	43,391	94.49	2,530	5.51	-	-	-	-	-	-	-	-
Sokoru	25,055	97.92	531	2.08	-	-	-	-	-	-	-	-
Tiro Afeta	22,393	92.78	1,677	6.95	65	0.27	-	-	-	-	-	-
Kersa	27,077	91.87	2,357	8.00	40	0.14	-	-	-	-	-	-
Mana	26,616	95.69	1,164	4.18	36	0.13	-	-	-	-	-	-
Goma	47,636	96.19	1,887	3.81	-	-	-	-	-	-	-	-
Gera	20,085	96.55	700	3.36	18	0.09	-	-	-	-	-	-
Seka chekorsa	55,047	97.56	1,307	2.32	68	0.12	-	-	-	-	-	-
Dedo	51,413	95.15	2,622	4.85	-	-	-	-	-	-	-	-
Omonada	41,160	89.53	4,644	10.10	168	0.37	-	-	-	-	-	-
Sigmo	15,924	98.71	208	1.29	-	-	-	-	-	-	-	-
Setema	17,488	95.83	650	3.56	71	0.39	17	0.09	23	0.13	-	-
West Shewa Zone	493,749	98.24	8,687	1.73	155	0.03	-	-	-	-	-	-
Ginde Beret	33,160	98.60	470	1.40	-	-	-	-	-	-	-	-
Jeldu	33,476	99.33	225	0.67	-	-	-	-	-	-	-	-
Ambo	39,980	99.65	142	0.35	-	-	-	-	-	-	-	-
Cheliya	35,603	96.20	1,323	3.57	85	0.23	-	-	-	-	-	-
Bako Tibe	19,091	98.46	274	1.41	24	0.12	-	-	-	-	-	-
Dano	14,953	96.20	591	3.80	-	-	-	-	-	-	-	-
Nono	22,658	97.92	482	2.08	-	-	-	-	-	-	-	-
Tikur	12,551	99.64	45	0.36	-	-	-	-	-	-	-	-
Amaya	21,290	97.02	653	2.98	-	-	-	-	-	-	-	-
Wonchi	17,062	98.03	343	1.97	-	-	-	-	-	-	-	-
Dendi	36,949	99.58	157	0.42	-	-	-	-	-	-	-	-
Ejerie	15,054	98.92	165	1.08	-	-	-	-	-	-	-	-
Adda Berga	19,048	98.68	254	1.32	-	-	-	-	-	-	-	-
Walmara	17,009	99.63	64	0.37	-	-	-	-	-	-	-	-
Alem Gana	20,182	97.94	425	2.06	-	-	-	-	-	-	-	-
Kersana Kondaltiti	20,960	95.05	1,091	4.95	-	-	-	-	-	-	-	-
Tole	9,381	90.19	1,020	9.81	-	-	-	-	-	-	-	-
Elu	10,250	99.00	104	1.00	-	-	-	-	-	-	-	-
Dawo	12,750	97.57	318	2.43	-	-	-	-	-	-	-	-
Walisona Goro	35,409	99.37	178	0.50	46	0.13	-	-	-	-	-	-
Becho	11,130	98.55	164	1.45	-	-	-	-	-	-	-	-
Kokir	12,332	99.76	30	0.24	-	-	-	-	-	-	-	-
Meta Robi	23,468	99.28	171	0.72	-	-	-	-	-	-	-	-
North Shewa(Oromia) Zone	235,095	99.19	1,817	0.77	99	0.04	-	-	-	-	-	-
Wara Jarso	24,940	99.72	69	0.28	-	-	-	-	-	-	-	-
Dera	34,591	98.73	444	1.27	-	-	-	-	-	-	-	-
Hidabu Abote	15,713	98.92	171	1.08	-	-	-	-	-	-	-	-
Kuyu	20,090	100.00	-	-	-	-	-	-	-	-	-	-
Degem	17,862	99.59	74	0.41	-	-	-	-	-	-	-	-
Gerar Jarso	13,057	99.19	106	0.81	-	-	-	-	-	-	-	-
Yaya Gulelena Debre	16,347	98.68	219	1.32	-	-	-	-	-	-	-	-
Wuchalena Jido	21,702	98.57	287	1.30	28	0.13	-	-	-	-	-	-
Abichuna Gna'a	11,836	99.73	32	0.27	-	-	-	-	-	-	-	-
Kembibit	10,783	99.29	77	0.71	-	-	-	-	-	-	-	-
Berehna Aleltu	24,530	99.02	210	0.85	34	0.14	-	-	-	-	-	-
Mulona Sululta	23,643	99.30	129	0.54	38	0.16	-	-	-	-	-	-

Table 8.30B:- Number of Crop Holders that Owned Mule (For threshing /transportation) by Geographic area. (Contin...)

Geographic area	Number of Crop holders that owned											
	No Mule		One Mule		Two Mules		Three Mules		Four Mules		Five and above Mules	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	310,476	98.57	4,418	1.40	72	0.02	-	-	-	-	-	-
Fentale	6,677	100.00	-	-	-	-	-	-	-	-	-	-
Boset	24,248	97.63	589	2.37	-	-	-	-	-	-	-	-
Adama	26,467	98.37	439	1.63	-	-	-	-	-	-	-	-
Lome	14,276	98.02	288	1.98	-	-	-	-	-	-	-	-
Gimbichu	15,293	98.23	276	1.77	-	-	-	-	-	-	-	-
Ada'a Liben Chukala	38,639	96.17	1,537	3.83	-	-	-	-	-	-	-	-
Dugda Bora	28,606	99.17	238	0.83	-	-	-	-	-	-	-	-
Adami Tullu Jido	23,685	99.54	109	0.46	-	-	-	-	-	-	-	-
Arsi Negele	26,319	99.00	222	0.84	43	0.16	-	-	-	-	-	-
Shashemene	46,059	99.89	49	0.11	-	-	-	-	-	-	-	-
Seraro	48,153	99.88	56	0.12	-	-	-	-	-	-	-	-
Akaki	12,052	94.93	616	4.85	28	0.22	-	-	-	-	-	-
Arsi Zone	478,428	97.04	13,984	2.84	553	0.11	21	0.00	21	0.00	-	-
Merti	21,533	94.65	1,133	4.98	42	0.18	21	0.09	21	0.09	-	-
Aseko	13,367	92.85	898	6.24	131	0.91	-	-	-	-	-	-
Gololcha	26,641	91.31	2,341	8.02	196	0.67	-	-	-	-	-	-
Jeju	21,781	98.04	436	1.96	-	-	-	-	-	-	-	-
Dodotana Sire	22,757	99.43	130	0.57	-	-	-	-	-	-	-	-
Zeway Dugda	20,790	98.07	410	1.93	-	-	-	-	-	-	-	-
Hitosa	38,987	99.38	242	0.62	-	-	-	-	-	-	-	-
Sude	24,381	95.61	1,120	4.39	-	-	-	-	-	-	-	-
Chole	14,225	89.36	1,536	9.65	157	0.99	-	-	-	-	-	-
Amigna	10,734	96.05	442	3.95	-	-	-	-	-	-	-	-
Seru	17,807	97.81	398	2.19	-	-	-	-	-	-	-	-
Robe	26,686	98.61	376	1.39	-	-	-	-	-	-	-	-
Tena	20,365	98.46	319	1.54	-	-	-	-	-	-	-	-
Sherka	24,504	92.80	1,901	7.20	-	-	-	-	-	-	-	-
Digeluna Tijo	21,939	98.91	215	0.97	27	0.12	-	-	-	-	-	-
Tiyo	15,938	99.75	40	0.25	-	-	-	-	-	-	-	-
Munesa	34,572	98.30	599	1.70	-	-	-	-	-	-	-	-
Bekoji	35,303	98.08	692	1.92	-	-	-	-	-	-	-	-
Gedeb	24,539	98.76	308	1.24	-	-	-	-	-	-	-	-
Kofele	41,579	98.93	449	1.07	-	-	-	-	-	-	-	-
West Harerge Zone	289,797	99.46	1,511	0.52	23	0.01	-	-	25	0.01	-	-
Mieso	16,377	99.86	-	-	23	0.14	-	-	-	-	-	-
Doba	22,683	99.63	60	0.26	-	-	-	-	25	0.11	-	-
Tulo	24,329	100.00	-	-	-	-	-	-	-	-	-	-
Mesela	25,617	99.14	223	0.86	-	-	-	-	-	-	-	-
Chiro	62,202	99.73	166	0.27	-	-	-	-	-	-	-	-
Goba Koricha	19,698	98.42	316	1.58	-	-	-	-	-	-	-	-
Anchar	13,244	98.62	186	1.38	-	-	-	-	-	-	-	-
Habro	30,298	99.71	88	0.29	-	-	-	-	-	-	-	-
Darolebu	26,709	99.00	269	1.00	-	-	-	-	-	-	-	-
Boke	22,063	99.63	81	0.37	-	-	-	-	-	-	-	-
Kuni	26,579	99.54	122	0.46	-	-	-	-	-	-	-	-
East Harerge Zone	386,537	99.83	604	0.16	52	0.01	-	-	-	-	-	-
Kombolcha	20,688	99.89	22	0.11	-	-	-	-	-	-	-	-
Jarso	17,038	99.92	14	0.08	-	-	-	-	-	-	-	-
Gursum	25,567	100.00	-	-	-	-	-	-	-	-	-	-
Babile	10,237	100.00	-	-	-	-	-	-	-	-	-	-
Fedis	24,565	100.00	-	-	-	-	-	-	-	-	-	-
Haro Maya	31,404	100.00	-	-	-	-	-	-	-	-	-	-
Kurfa Chele	7,122	100.00	-	-	-	-	-	-	-	-	-	-
Kersa	27,701	99.84	44	0.16	-	-	-	-	-	-	-	-

Table 8.30B:- Number of Crop Holders that Owned Mule (For threshing /transportation) by Geographic area. (Contin...)

Geographic area	Number of Crop holders that owned											
	No Mule		One Mule		Two Mules		Three Mules		Four Mules		Five and above Mules	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	43,663	99.74	112	0.26	-	-	-	-	-	-	-	-
Goro Gutu	25,683	99.86	35	0.14	-	-	-	-	-	-	-	-
Deder	37,926	99.11	287	0.75	52	0.14	-	-	-	-	-	-
Malka Balo	24,839	99.63	91	0.37	-	-	-	-	-	-	-	-
Bedeno	43,356	100.00	-	-	-	-	-	-	-	-	-	-
Girawa	38,886	100.00	-	-	-	-	-	-	-	-	-	-
Gola Oda	7,861	100.00	-	-	-	-	-	-	-	-	-	-
Bale Zone	249,095	96.15	9,670	3.73	284	0.11	-	-	-	-	9	0.00
Kokosa	23,348	99.88	27	0.12	-	-	-	-	-	-	-	-
Dodola	23,492	99.33	158	0.67	-	-	-	-	-	-	-	-
Adaba	19,595	98.69	261	1.31	-	-	-	-	-	-	-	-
Agarfa	12,331	93.80	815	6.20	-	-	-	-	-	-	-	-
Gasera	11,500	95.14	555	4.59	33	0.27	-	-	-	-	-	-
Gololcha	14,520	97.36	394	2.64	-	-	-	-	-	-	-	-
Legehida	7,857	97.07	224	2.77	13	0.16	-	-	-	-	-	-
Ginir	21,125	97.56	515	2.38	13	0.06	-	-	-	-	-	-
Sinanana Dinsho	23,333	93.38	1,655	6.62	-	-	-	-	-	-	-	-
Goba	6,505	90.56	535	7.45	134	1.87	-	-	-	-	9	0.13
Mennana Arena Buluk	18,606	96.92	592	3.08	-	-	-	-	-	-	-	-
Nensebo	13,881	97.97	288	2.03	-	-	-	-	-	-	-	-
Meda Welabu	12,340	98.27	184	1.47	33	0.26	-	-	-	-	-	-
Berbere	8,927	87.41	1,228	12.02	58	0.57	-	-	-	-	-	-
Guradamole	3,865	92.91	295	7.09	-	-	-	-	-	-	-	-
Goro	14,093	88.45	1,841	11.55	-	-	-	-	-	-	-	-
Raytu	6,130	99.38	38	0.62	-	-	-	-	-	-	-	-
Seweyna	7,646	99.16	65	0.84	-	-	-	-	-	-	-	-
Borena Zone	275,804	97.42	7,026	2.48	235	0.08	19	0.01	-	-	20	0.01
Uraga	40,861	95.87	1,699	3.99	63	0.15	-	-	-	-	-	-
Bore	29,860	98.12	516	1.70	57	0.19	-	-	-	-	-	-
Adolana Wadera	21,915	96.90	643	2.84	58	0.26	-	-	-	-	-	-
Odo Shakiso	13,111	93.55	841	6.00	43	0.31	-	-	-	-	20	0.14
Hager Mariam	83,893	97.42	2,223	2.58	-	-	-	-	-	-	-	-
Yabelo	9,973	98.93	108	1.07	-	-	-	-	-	-	-	-
Arero	3,205	96.22	126	3.78	-	-	-	-	-	-	-	-
Liben	14,754	99.39	71	0.48	-	-	19	0.13	-	-	-	-
Moyale	10,669	99.38	67	0.62	-	-	-	-	-	-	-	-
Dire	13,427	97.87	279	2.03	13	0.09	-	-	-	-	-	-
Teltele	7,349	99.84	12	0.16	-	-	-	-	-	-	-	-
Gelana Abaya	26,788	98.38	441	1.62	-	-	-	-	-	-	-	-

Table 8.31B:- Number of Crop Holders that Owned Local Storage 'Debignit' by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'Debignit'		One 'Debignit'		Two 'Debignits'		Three 'Debignits'		Four 'Debignits'		Five and above 'Debignits'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	3,019,071	75.82	390,257	9.80	346,649	8.71	135,877	3.41	61,429	1.54	28,421	0.71
West Welega Zone	271,703	86.55	27,097	8.63	12,063	3.84	2,323	0.74	555	0.18	182	0.06
Mana Sibu	22,190	82.12	3,344	12.38	1,070	3.96	321	1.19	97	0.36	-	-
Nejo	7,915	44.18	6,146	34.30	3,082	17.20	563	3.14	140	0.78	70	0.39
Gimbi	14,099	82.47	2,184	12.77	657	3.84	130	0.76	26	0.15	-	-
Lalo Asabi	9,444	86.59	1,143	10.48	235	2.15	56	0.51	14	0.13	14	0.13
Boji	10,000	65.84	2,686	17.69	1,859	12.24	551	3.63	71	0.47	21	0.14
Ayra Guliso	16,156	98.69	173	1.06	21	0.13	-	-	21	0.13	-	-
Jarso	7,780	48.05	4,588	28.34	3,263	20.15	441	2.72	100	0.62	18	0.11
Gidami	13,385	98.16	193	1.42	58	0.43	-	-	-	-	-	-
Jimma Horo	6,672	97.13	91	1.32	76	1.11	30	0.44	-	-	-	-
Hawa Welel	16,748	96.73	424	2.45	123	0.71	20	0.12	-	-	-	-
Gawo Dale	22,705	95.32	759	3.19	280	1.18	36	0.15	40	0.17	-	-
Dale Sadi	11,007	99.01	78	0.70	32	0.29	-	-	-	-	-	-
Yubdo	4,904	86.95	579	10.27	127	2.25	30	0.53	-	-	-	-
Ganji	8,564	89.11	826	8.59	189	1.97	32	0.33	-	-	-	-
Haru	9,696	84.25	1,352	11.75	402	3.49	44	0.38	14	0.12	-	-
Nole Kaba	21,354	91.30	1,709	7.31	294	1.26	-	-	31	0.13	-	-
Lalo Kilie	7,875	99.68	14	0.18	11	0.14	-	-	-	-	-	-
Sayo	19,820	99.88	-	-	24	0.12	-	-	-	-	-	-
Anfilo	11,702	98.77	59	0.50	17	0.14	70	0.59	-	-	-	-
Begi	29,684	96.58	749	2.44	242	0.79	-	-	-	-	59	0.19
East Welega Zone	132,571	50.81	57,265	21.95	47,150	18.07	16,518	6.33	5,212	2.00	2,177	0.83
Limu	10,923	52.79	5,946	28.74	3,083	14.90	546	2.64	192	0.93	-	-
Ibantu	927	18.22	1,657	32.57	1,879	36.94	486	9.55	117	2.30	21	0.41
Gida Kiremu	10,799	48.71	3,784	17.07	4,333	19.55	2,256	10.18	568	2.56	428	1.93
Jarte	2,679	36.38	1,608	21.84	1,620	22.00	982	13.34	298	4.05	176	2.39
Amuru	2,155	27.85	2,024	26.15	2,276	29.41	983	12.70	293	3.79	8	0.10
Abe Dongoro	6,023	63.60	1,248	13.18	1,422	15.02	521	5.50	149	1.57	107	1.13
Jimma Horo	9,803	40.81	4,853	20.20	5,181	21.57	2,544	10.59	1,088	4.53	554	2.31
Abay Chomen	598	12.68	937	19.87	1,751	37.14	892	18.92	372	7.89	165	3.50
Guduru	6,982	32.44	5,771	26.82	5,702	26.50	1,936	9.00	825	3.83	304	1.41
Jimma Rare	2,755	35.60	2,637	34.08	1,819	23.51	375	4.85	131	1.69	21	0.27
Bila Seyo	6,690	49.67	4,052	30.08	2,330	17.30	329	2.44	69	0.51	-	-
Sibu Sire	7,622	50.13	3,856	25.36	2,385	15.69	833	5.48	377	2.48	130	0.86
Guto Wayu	19,371	68.00	5,967	20.95	2,419	8.49	603	2.12	95	0.33	32	0.11
Sasiga	9,242	81.46	1,512	13.33	486	4.28	88	0.78	-	-	18	0.16
Leka Dulecha	3,707	35.12	3,460	32.78	2,573	24.38	743	7.04	72	0.68	-	-
Diga	6,249	52.65	2,650	22.33	2,398	20.21	513	4.32	58	0.49	-	-
Jimma Arjo	4,088	30.66	2,875	21.56	4,043	30.32	1,690	12.68	423	3.17	214	1.61
Nunu Kumba	6,860	65.72	1,937	18.56	1,357	13.00	197	1.89	87	0.83	-	-
Wama Bonaya	15,097	96.28	491	3.13	92	0.59	-	-	-	-	-	-
Illibabor Zone	184,309	94.38	6,946	3.56	3,103	1.59	739	0.38	129	0.07	61	0.03
Darimu	22,165	99.29	133	0.60	26	0.12	-	-	-	-	-	-
Supena Sodo	12,616	96.02	317	2.41	176	1.34	30	0.23	-	-	-	-
Chora	18,463	94.42	809	4.14	207	1.06	75	0.38	-	-	-	-
Dega	6,588	64.65	2,215	21.73	1,187	11.65	148	1.45	40	0.39	13	0.13
Bedele	16,831	82.05	2,345	11.43	954	4.65	315	1.54	68	0.33	-	-
Gechi	10,790	99.05	87	0.80	-	-	16	0.15	-	-	-	-
Borecha Wereda	8,657	95.87	163	1.81	163	1:81	47	0.52	-	-	-	-
Dedesa	13,861	98.77	67	0.48	42	0.30	21	0.15	21	0.15	21	0.15
yayu	19,120	99.58	27	0.14	27	0.14	-	-	-	-	27	0.14
Metu	22,601	99.78	50	0.22	-	-	-	-	-	-	-	-

Table 8.31B:- Number of Crop Holders that Owned Local Storage 'Debignit' by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No 'Debignit'		One 'Debignit'		Two 'Debignits'		Three 'Debignits'		Four 'Debignits'		Five and above 'Debignits'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	16,576	95.51	473	2.73	256	1.47	51	0.29	-	-	-	-
Bure	11,935	99.52	45	0.38	12	0.10	-	-	-	-	-	-
Nono	4,107	93.11	215	4.87	54	1.22	35	0.79	-	-	-	-
Jimma Zone	426,590	96.23	8,974	2.02	5,272	1.19	1,789	0.40	536	0.12	154	0.03
Limu Seka	28,850	98.65	236	0.81	39	0.13	76	0.26	44	0.15	-	-
Limu Kosa	45,711	99.54	210	0.46	-	-	-	-	-	-	-	-
Sokoru	25,301	98.89	257	1.00	28	0.11	-	-	-	-	-	-
Tiro Afeta	23,444	97.14	344	1.43	284	1.18	30	0.12	-	-	33	0.14
Kersa	28,796	97.70	170	0.58	337	1.14	171	0.58	-	-	-	-
Mana	27,718	99.65	67	0.24	-	-	-	-	-	-	31	0.11
Goma	49,344	99.64	179	0.36	-	-	-	-	-	-	-	-
Gera	18,195	87.46	722	3.47	1,145	5.50	511	2.46	140	0.67	90	0.43
Seka chekorsa	50,664	89.79	2,978	5.28	2,252	3.99	378	0.67	150	0.27	-	-
Dedo	52,108	96.43	965	1.79	598	1.11	303	0.56	61	0.11	-	-
Omonada	44,062	95.85	1,432	3.11	276	0.60	120	0.26	82	0.18	-	-
Sigmo	15,800	97.94	288	1.79	44	0.27	-	-	-	-	-	-
Setema	16,595	90.94	1,126	6.17	270	1.48	199	1.09	59	0.32	-	-
West Shewa Zone	299,068	59.51	82,389	16.39	81,017	16.12	27,118	5.40	9,473	1.88	3,526	0.70
Ginde Beret	26,955	80.15	3,782	11.25	2,333	6.94	428	1.27	40	0.12	92	0.27
Jeldu	24,488	72.66	4,197	12.45	3,916	11.62	933	2.77	167	0.50	-	-
Ambo	23,915	59.61	8,200	20.44	5,410	13.48	2,073	5.17	391	0.97	133	0.33
Cheliya	24,673	66.66	7,724	20.87	3,848	10.40	499	1.35	267	0.72	-	-
Bako Tibe	9,919	51.16	5,232	26.98	3,335	17.20	714	3.68	166	0.86	23	0.12
Dano	13,013	83.72	1,663	10.70	722	4.64	146	0.94	-	-	-	-
Nono	19,597	84.69	2,080	8.99	1,060	4.58	207	0.89	196	0.85	-	-
Tikur	12,373	98.23	149	1.18	60	0.48	-	-	14	0.11	-	-
Amaya	10,920	49.77	5,334	24.31	4,389	20.00	959	4.37	238	1.08	103	0.47
Wonchi	8,675	49.84	2,855	16.40	3,928	22.57	1,460	8.39	417	2.40	70	0.40
Dendi	18,715	50.44	6,002	16.18	8,224	22.16	3,041	8.20	693	1.87	431	1.16
Ejerie	7,156	47.02	2,587	17.00	3,323	21.83	1,345	8.84	585	3.84	223	1.47
Adda Berga	11,168	57.86	3,068	15.89	3,379	17.51	1,025	5.31	470	2.43	192	0.99
Walmara	9,375	54.91	2,385	13.97	3,485	20.41	1,102	6.45	544	3.19	182	1.07
Alem Gana	10,113	49.08	3,536	17.16	4,722	22.91	1,590	7.72	563	2.73	83	0.40
Kersana Kondaltiti	15,458	70.10	3,302	14.97	2,466	11.18	508	2.30	264	1.20	53	0.24
Tole	1,507	14.49	2,251	21.64	3,878	37.28	1,596	15.34	774	7.44	395	3.80
Elu	1,835	17.72	1,980	19.12	3,559	34.37	1,886	18.22	771	7.45	323	3.12
Dawo	3,818	29.22	3,040	23.26	3,761	28.78	1,652	12.64	608	4.65	189	1.45
Walisona Goro	18,698	52.47	5,925	16.63	6,791	19.06	2,481	6.96	1,138	3.19	600	1.68
Becho	1,978	17.51	2,335	20.67	4,099	36.29	1,938	17.16	713	6.31	231	2.05
Kokir	9,626	77.87	1,205	9.75	1,239	10.02	226	1.83	50	0.40	16	0.13
Meta Robi	15,089	63.83	3,558	15.05	3,089	13.07	1,310	5.54	406	1.72	187	0.79
North Shewa(Oromia) Zone	96,060	40.53	34,730	14.65	58,373	24.63	26,392	11.14	14,821	6.25	6,635	2.80
Wara Jarso	8,797	35.18	4,849	19.39	7,231	28.91	2,527	10.10	1,263	5.05	342	1.37
Dera	14,986	42.77	5,186	14.80	9,025	25.76	3,897	11.12	1,338	3.82	603	1.72
Hidabu Abote	9,128	57.47	2,690	16.94	2,952	18.58	846	5.33	208	1.31	60	0.38
Kuyu	8,471	42.17	4,374	21.77	5,228	26.02	1,383	6.88	529	2.63	105	0.52
Degem	8,679	48.39	3,209	17.89	4,105	22.89	1,137	6.34	601	3.35	205	1.14
Gerar Jarso	5,167	39.25	1,864	14.16	2,946	22.38	1,875	14.24	940	7.14	371	2.82
Yaya Gulelena Debre	5,563	33.58	2,265	13.67	4,295	25.93	2,358	14.23	1,454	8.78	631	3.81
Wuchalena Jido	5,970	27.12	2,235	10.15	6,052	27.49	3,595	16.33	2,681	12.18	1,484	6.74
Abichuna Gna'a	2,843	23.96	1,382	11.64	3,585	30.21	2,141	18.04	1,201	10.12	716	6.03
Kembibit	4,092	37.68	1,237	11.39	2,899	26.69	1,312	12.08	939	8.65	381	3.51
Berehna Aleltu	10,200	41.17	3,038	12.26	4,837	19.52	3,311	13.36	2,311	9.33	1,077	4.35
Mulona Sululta	12,164	51.09	2,402	10.09	5,218	21.92	2,010	8.44	1,355	5.69	661	2.78

Table 8.31B:- Number of Crop Holders that Owned Local Storage 'Debignit' by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No 'Debignit'		One 'Debignit'		Two 'Debignits'		Three 'Debignits'		Four 'Debignits'		Five and above 'Debignits'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	273,850	86.95	18,862	5.99	15,180	4.82	4,260	1.35	1,972	0.63	842	0.27
Fentale	6,663	99.79	14	0.21	-	-	-	-	-	-	-	-
Boset	16,110	64.86	3,013	12.13	3,877	15.61	1,310	5.27	344	1.39	183	0.74
Adama	22,696	84.35	1,785	6.63	1,302	4.84	595	2.21	326	1.21	202	0.75
Lome	12,859	88.29	686	4.71	674	4.63	295	2.03	50	0.34	-	-
Gimbichu	13,664	87.76	809	5.20	859	5.52	153	0.98	84	0.54	-	-
Ada'a Liben Chukala	30,390	75.64	4,713	11.73	3,697	9.20	729	1.81	558	1.39	89	0.22
Dugda Bora	23,890	82.82	2,401	8.32	1,859	6.45	362	1.26	265	0.92	67	0.23
Adami Tullu Jido	21,815	91.68	731	3.07	548	2.30	341	1.43	136	0.57	223	0.94
Arsi Negele	26,209	98.59	201	0.76	131	0.49	-	-	43	0.16	-	-
Shashemene	43,728	94.84	1,522	3.30	743	1.61	115	0.25	-	-	-	-
Seraro	46,328	96.10	1,817	3.77	64	0.13	-	-	-	-	-	-
Akaki	9,497	74.80	1,170	9.22	1,426	11.23	360	2.84	166	1.31	77	0.61
Arsi Zone	279,620	56.72	49,938	10.13	80,705	16.37	44,573	9.04	25,102	5.09	13,069	2.65
Merti	15,065	66.22	3,202	14.07	3,267	14.36	883	3.88	282	1.24	51	0.22
Aseko	9,417	65.41	2,342	16.27	1,964	13.64	518	3.60	121	0.84	34	0.24
Gololcha	23,515	80.59	3,335	11.43	1,703	5.84	409	1.40	139	0.48	77	0.26
Jeju	14,764	66.45	2,243	10.10	2,885	12.99	1,427	6.42	566	2.55	332	1.49
Dodotana Sire	14,982	65.46	2,687	11.74	3,062	13.38	1,214	5.30	699	3.05	243	1.06
Zeway Dugda	13,417	63.29	2,149	10.14	3,517	16.59	1,412	6.66	519	2.45	186	0.88
Hitosa	24,873	63.40	3,337	8.51	5,801	14.79	2,607	6.65	1,562	3.98	1,049	2.67
Sude	9,828	38.54	3,694	14.49	6,062	23.77	3,687	14.46	1,744	6.84	486	1.91
Chole	10,285	64.61	2,252	14.15	2,222	13.96	763	4.79	358	2.25	38	0.24
Amigna	7,238	64.76	1,265	11.32	1,805	16.15	607	5.43	164	1.47	97	0.87
Seru	14,515	79.73	1,403	7.71	1,555	8.54	597	3.28	135	0.74	-	-
Robe	16,852	62.27	3,373	12.46	3,934	14.54	1,842	6.81	943	3.48	118	0.44
Tena	8,944	43.24	2,256	10.91	4,786	23.14	2,799	13.53	1,543	7.46	356	1.72
Sherka	15,356	58.16	2,226	8.43	4,603	17.43	2,764	10.47	834	3.16	622	2.36
Digeluna Tijo	6,409	28.89	1,664	7.50	5,258	23.70	4,120	18.57	2,570	11.59	2,160	9.74
Tiyo	8,300	51.95	1,348	8.44	3,371	21.10	1,615	10.11	868	5.43	476	2.98
Munesa	15,285	43.46	2,582	7.34	6,942	19.74	4,707	13.38	4,075	11.59	1,580	4.49
Bekoji	10,723	29.79	3,632	10.09	8,958	24.89	6,432	17.87	4,061	11.28	2,189	6.08
Gedeb	12,627	50.82	2,406	9.68	3,996	16.08	3,263	13.13	1,422	5.72	1,133	4.56
Kofele	27,224	64.78	2,544	6.05	5,014	11.93	2,908	6.92	2,496	5.94	1,842	4.38
West Harerge Zone	226,669	77.80	47,892	16.44	13,695	4.70	2,432	0.83	495	0.17	173	0.06
Mieso	12,802	78.06	2,345	14.30	977	5.96	247	1.51	29	0.18	-	-
Doba	12,698	55.77	7,234	31.77	2,379	10.45	393	1.73	64	0.28	-	-
Tulo	18,394	75.61	4,092	16.82	1,657	6.81	161	0.66	25	0.10	-	-
Mesela	21,179	81.96	3,640	14.09	989	3.83	32	0.12	-	-	-	-
Chiro	46,775	75.00	13,134	21.06	2,045	3.28	414	0.66	-	-	-	-
Goba Koricha	14,990	74.90	2,988	14.93	1,145	5.72	513	2.56	279	1.39	99	0.49
Anchar	11,049	82.27	1,309	9.75	797	5.93	218	1.62	27	0.20	30	0.22
Habro	28,068	92.37	1,795	5.91	478	1.57	45	0.15	-	-	-	-
Darolebu	24,768	91.81	1,741	6.45	293	1.09	88	0.33	44	0.16	44	0.16
Boke	15,685	70.83	4,343	19.61	1,913	8.64	176	0.79	27	0.12	-	-
Kuni	20,262	75.88	5,271	19.74	1,023	3.83	145	0.54	-	-	-	-
East Harerge Zone	327,262	84.52	39,665	10.24	15,822	4.09	3,542	0.91	739	0.19	163	0.04
Kombolcha	19,791	95.56	758	3.66	161	0.78	-	-	-	-	-	-
Jarso	16,579	97.23	357	2.09	68	0.40	28	0.16	20	0.12	-	-
Gursum	24,242	94.82	1,158	4.53	167	0.65	-	-	-	-	-	-
Babile	10,100	98.66	123	1.20	14	0.14	-	-	-	-	-	-
Fedis	16,805	68.41	5,110	20.80	1,867	7.60	660	2.69	123	0.50	-	-
Haro Maya	30,347	96.63	530	1.69	391	1.25	93	0.30	43	0.14	-	-
Kurfa Chele	5,865	82.35	993	13.94	233	3.27	18	0.25	13	0.18	-	-
Kersa	21,924	79.02	3,353	12.09	2,117	7.63	264	0.95	87	0.31	-	-

Table 8.31B:- Number of Crop Holders that Owned Local Storage 'Debignit' by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No 'Debignit'		One 'Debignit'		Two 'Debignits'		Three 'Debignits'		Four 'Debignits'		Five and above 'Debignits'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	31,439	71.82	8,164	18.65	2,974	6.79	876	2.00	259	0.59	63	0.14
Goro Gutu	17,972	69.88	5,614	21.83	1,949	7.58	183	0.71	-	-	-	-
Deder	33,719	88.12	2,674	6.99	1,766	4.62	52	0.14	54	0.14	-	-
Malka Balo	21,448	86.03	3,023	12.13	403	1.62	37	0.15	19	0.08	-	-
Bedeno	41,497	95.71	1,413	3.26	400	0.92	46	0.11	-	-	-	-
Girawa	28,276	72.72	5,985	15.39	3,168	8.15	1,257	3.23	100	0.26	100	0.26
Gola Oda	7,257	92.32	412	5.24	145	1.84	27	0.34	20	0.25	-	-
Bale Zone	224,361	86.61	11,918	4.60	13,188	5.09	5,778	2.23	2,396	0.92	1,417	0.55
Kokosa	22,805	97.56	461	1.97	109	0.47	-	-	-	-	-	-
Dodola	19,839	83.89	1,327	5.61	1,357	5.74	832	3.52	204	0.86	91	0.38
Adaba	9,857	49.64	2,007	10.11	4,082	20.56	2,145	10.80	1,076	5.42	689	3.47
Agarfa	9,488	72.17	1,316	10.01	1,542	11.73	506	3.85	233	1.77	61	0.46
Gasera	9,774	80.86	792	6.55	1,013	8.38	322	2.66	109	0.90	78	0.65
Gololcha	11,862	79.54	873	5.85	1,289	8.64	588	3.94	234	1.57	68	0.46
Legehida	7,837	96.82	52	0.64	160	1.98	36	0.44	9	0.11	-	-
Ginir	19,064	88.04	1,196	5.52	739	3.41	389	1.80	228	1.05	37	0.17
Sinanana Dinsho	20,253	81.05	1,852	7.41	1,818	7.28	650	2.60	134	0.54	281	1.12
Goba	6,459	89.92	381	5.30	229	3.19	73	1.02	41	0.57	-	-
Mennana Arena Buluk	18,599	96.88	518	2.70	-	-	-	-	27	0.14	54	0.28
Nensebo	13,832	97.62	248	1.75	89	0.63	-	-	-	-	-	-
Meda Welabu	12,434	99.02	123	0.98	-	-	-	-	-	-	-	-
Berbere	10,167	99.55	46	0.45	-	-	-	-	-	-	-	-
Guradamole	4,103	98.63	57	1.37	-	-	-	-	-	-	-	-
Goro	14,272	89.57	647	4.06	646	4.05	227	1.42	100	0.63	42	0.26
Raytu	6,158	99.84	10	0.16	-	-	-	-	-	-	-	-
Seweyna	7,557	98.00	12	0.16	115	1.49	12	0.16	-	-	15	0.19
Borena Zone	277,007	97.85	4,580	1.62	1,081	0.38	413	0.15	-	-	23	0.01
Uraga	42,623	100.00	-	-	-	-	-	-	-	-	-	-
Bore	29,808	97.95	381	1.25	203	0.67	41	0.13	-	-	-	-
Adolana Wadera	22,537	99.65	79	0.35	-	-	-	-	-	-	-	-
Odo Shakiso	13,997	99.87	18	0.13	-	-	-	-	-	-	-	-
Hager Mariam	81,632	94.79	3,337	3.88	826	0.96	321	0.37	-	-	-	-
Yabelo	10,081	100.00	-	-	-	-	-	-	-	-	-	-
Arero	3,331	100.00	-	-	-	-	-	-	-	-	-	-
Liben	14,844	100.00	-	-	-	-	-	-	-	-	-	-
Moyale	10,736	100.00	-	-	-	-	-	-	-	-	-	-
Dire	13,719	100.00	-	-	-	-	-	-	-	-	-	-
Teltele	6,469	87.88	765	10.39	52	0.71	52	0.71	-	-	23	0.31
Gelana Abaya	27,229	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.32B:- Number of Crop Holders that Owned Local Storage 'Gottera' by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'Gottera'		One 'Gottera'		Two 'Gotteras'		Three 'Gotteras'		Four 'Gotteras'		Five and above 'Gotteras'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	2,034,066	51.09	1,122,574	28.19	545,990	13.71	185,009	4.65	65,890	1.65	28,175	0.71
West Welega Zone	155,536	49.55	90,786	28.92	50,999	16.25	12,815	4.08	2,785	0.89	1,002	0.32
Mana Sibu	20,113	74.43	5,122	18.95	1,398	5.17	262	0.97	63	0.23	64	0.24
Nejo	17,080	95.33	553	3.09	237	1.32	46	0.26	-	-	-	-
Gimbi	14,635	85.60	1,949	11.40	435	2.54	77	0.45	-	-	-	-
Lalo Asabi	9,786	89.73	1,004	9.21	116	1.06	-	-	-	-	-	-
Boji	13,980	92.05	925	6.09	283	1.86	-	-	-	-	-	-
Ayra Guliso	10,490	64.08	4,524	27.63	935	5.71	401	2.45	21	0.13	-	-
Jarso	8,894	54.94	4,514	27.88	2,126	13.13	509	3.14	123	0.76	24	0.15
Gidami	4,200	30.80	5,707	41.85	3,021	22.15	549	4.03	142	1.04	17	0.12
Jimma Horo	517	7.53	2,765	40.25	2,514	36.60	827	12.04	181	2.64	65	0.95
Hawa Welel	3,246	18.75	6,348	36.66	5,481	31.65	1,749	10.10	334	1.93	157	0.91
Gawo Dale	1,706	7.16	9,745	40.91	8,683	36.45	2,671	11.21	709	2.98	306	1.28
Dale Sadi	1,332	11.98	4,733	42.57	3,755	33.78	1,058	9.52	167	1.50	72	0.65
Yubdo	1,543	27.36	1,864	33.05	1,646	29.18	456	8.09	92	1.63	39	0.69
Ganji	7,177	74.67	1,892	19.69	431	4.48	43	0.45	45	0.47	23	0.24
Haru	8,657	75.23	2,292	19.92	503	4.37	41	0.36	15	0.13	-	-
Nole Kaba	7,566	32.35	9,496	40.60	5,008	21.41	1,086	4.64	163	0.70	69	0.30
Lalo Kilie	590	7.47	2,909	36.82	3,096	39.19	1,006	12.73	280	3.54	19	0.24
Sayo	5,197	26.19	8,467	42.67	4,798	24.18	1,054	5.31	298	1.50	30	0.15
Anfilo	6,924	58.44	3,671	30.98	1,128	9.52	101	0.85	13	0.11	11	0.09
Begi	11,900	38.72	12,306	40.04	5,405	17.59	879	2.86	137	0.45	107	0.35
East Welega Zone	117,593	45.07	70,300	26.95	40,819	15.65	18,859	7.23	8,922	3.42	4,400	1.69
Limu	10,775	52.08	5,295	25.59	3,153	15.24	1,273	6.15	194	0.94	-	-
Ibantu	3,447	67.76	930	18.28	605	11.89	97	1.91	8	0.16	-	-
Gida Kiremu	9,208	41.54	5,224	23.57	4,274	19.28	2,081	9.39	1,040	4.69	341	1.54
Jarte	2,029	27.56	1,739	23.62	2,100	28.52	972	13.20	375	5.09	148	2.01
Amuru	1,892	24.45	2,287	29.55	2,154	27.83	1,014	13.10	287	3.71	105	1.36
Abe Dongoro	2,176	22.98	2,365	24.97	2,725	28.78	1,533	16.19	486	5.13	185	1.95
Jimma Horo	9,486	39.49	4,412	18.37	4,636	19.30	2,699	11.24	1,993	8.30	797	3.32
Abay Chomen	3,510	74.44	849	18.01	237	5.03	97	2.06	22	0.47	-	-
Guduru	13,367	62.11	7,181	33.37	728	3.38	152	0.71	92	0.43	-	-
Jimma Rare	3,564	46.06	2,546	32.90	1,138	14.71	378	4.88	90	1.16	22	0.28
Bila Seyo	5,145	38.20	5,278	39.18	2,124	15.77	679	5.04	208	1.54	36	0.27
Sibu Sire	5,820	38.28	5,146	33.85	2,756	18.13	1,013	6.66	310	2.04	158	1.04
Guto Wayu	15,085	52.95	7,729	27.13	3,840	13.48	1,262	4.43	374	1.31	197	0.69
Sasiga	7,812	68.85	2,600	22.92	819	7.22	99	0.87	16	0.14	-	-
Leka Dulecha	5,255	49.79	4,304	40.78	855	8.10	122	1.16	-	-	19	0.18
Diga	7,536	63.50	3,139	26.45	983	8.28	210	1.77	-	-	-	-
Jimma Arjo	8,003	60.02	3,089	23.17	1,288	9.66	498	3.74	314	2.36	141	1.06
Nunu Kumba	2,364	22.65	3,179	30.46	2,257	21.62	1,506	14.43	743	7.12	389	3.73
Wama Bonaya	1,117	7.12	3,007	19.18	4,147	26.45	3,174	20.24	2,372	15.13	1,863	11.88
Illibabor Zone	43,684	22.37	81,749	41.86	46,811	23.97	14,982	7.67	5,474	2.80	2,587	1.32
Darimu	1,537	6.88	7,473	33.48	7,688	34.44	3,701	16.58	1,223	5.48	702	3.14
Supena Sodo	2,273	17.30	6,314	48.06	3,499	26.63	733	5.58	235	1.79	85	0.65
Chora	5,555	28.41	7,958	40.70	4,595	23.50	1,039	5.31	332	1.70	75	0.38
Dega	3,028	29.71	4,826	47.36	1,850	18.15	422	4.14	50	0.49	15	0.15
Bedele	4,263	20.78	6,932	33.79	5,534	26.98	1,866	9.10	1,276	6.22	642	3.13
Gechi	2,567	23.57	4,310	39.57	2,481	22.78	929	8.53	318	2.92	288	2.64
Borecha Wereda	1,976	21.88	1,943	21.52	2,787	30.86	1,358	15.04	669	7.41	297	3.29
Dedesa	4,305	30.68	5,563	39.64	2,592	18.47	901	6.42	382	2.72	290	2.07
yayu	5,056	26.33	8,983	46.78	3,715	19.35	1,172	6.10	248	1.29	27	0.14
Metu	4,641	20.49	11,633	51.36	5,156	22.76	1,079	4.76	117	0.52	25	0.11

Table 8.32B:- Number of Crop Holders that Owned Local Storage 'Gottera' by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No 'Gottera'		One 'Gottera'		Two 'Gotteras'		Three 'Gotteras'		Four 'Gotteras'		Five and above 'Gotteras'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	6,001	34.58	8,252	47.55	2,508	14.45	491	2.83	104	0.60	-	-
Bure	1,561	13.02	5,155	42.99	3,632	30.29	1,065	8.88	455	3.79	124	1.03
Nono	922	20.90	2,406	54.55	775	17.57	227	5.15	64	1.45	17	0.39
Jimma Zone	110,179	24.85	165,347	37.30	109,887	24.79	38,783	8.75	13,417	3.03	5,702	1.29
Limu Seka	2,062	7.05	5,718	19.55	10,731	36.69	6,199	21.20	3,364	11.50	1,171	4.00
Limu Kosa	6,842	14.90	15,443	33.63	14,076	30.65	5,534	12.05	2,742	5.97	1,284	2.80
Sokoru	2,508	9.80	10,729	41.93	9,078	35.48	2,620	10.24	508	1.99	143	0.56
Tiro Afeta	1,365	5.66	5,137	21.28	9,700	40.19	4,898	20.29	1,777	7.36	1,258	5.21
Kersa	2,313	7.85	11,214	38.05	9,701	32.91	4,407	14.95	1,301	4.41	538	1.83
Mana	8,401	30.20	12,234	43.98	5,803	20.86	1,067	3.84	248	0.89	63	0.23
Goma	26,055	52.61	17,866	36.08	4,760	9.61	742	1.50	100	0.20	-	-
Gera	10,801	51.92	5,142	24.72	2,828	13.59	1,447	6.96	205	0.99	380	1.83
Seka chekorsa	21,783	38.61	19,946	35.35	10,938	19.39	2,960	5.25	647	1.15	148	0.26
Dedo	10,977	20.31	25,335	46.89	12,165	22.51	3,820	7.07	1,246	2.31	492	0.91
Omonada	4,263	9.27	21,315	46.37	14,871	32.35	4,136	9.00	1,184	2.58	203	0.44
Sigmo	5,506	34.13	7,433	46.08	2,786	17.27	387	2.40	20	0.12	-	-
Setema	7,302	40.01	7,834	42.93	2,450	13.43	567	3.11	74	0.41	22	0.12
West Shewa Zone	241,043	47.96	122,852	24.44	89,153	17.74	32,140	6.39	12,845	2.56	4,558	0.91
Ginde Beret	10,212	30.37	12,913	38.40	8,223	24.45	1,869	5.56	371	1.10	42	0.12
Jeldu	11,026	32.72	10,474	31.08	7,635	22.66	3,186	9.45	1,213	3.60	167	0.50
Ambo	16,745	41.74	9,573	23.86	8,669	21.61	3,434	8.56	1,228	3.06	473	1.18
Cheliya	8,131	21.97	11,938	32.26	9,962	26.92	5,085	13.74	1,582	4.27	313	0.85
Bako Tibe	6,907	35.62	8,324	42.93	2,890	14.91	896	4.62	318	1.64	54	0.28
Dano	1,729	11.12	4,419	28.43	4,941	31.79	2,385	15.34	1,745	11.23	325	2.09
Nono	2,978	12.87	5,882	25.42	7,096	30.67	3,421	14.78	2,122	9.17	1,641	7.09
Tikur	2,432	19.31	5,161	40.97	3,779	30.00	944	7.49	205	1.63	75	0.60
Amaya	11,064	50.42	4,457	20.31	4,083	18.61	1,174	5.35	771	3.51	394	1.80
Wonchi	13,829	79.45	2,553	14.67	952	5.47	71	0.41	-	-	-	-
Dendi	17,410	46.92	8,750	23.58	7,203	19.41	2,650	7.14	799	2.15	294	0.79
Ejerie	7,739	50.85	3,289	21.61	2,324	15.27	1,081	7.10	660	4.34	126	0.83
Adda Berga	4,434	22.97	6,866	35.57	5,206	26.97	2,124	11.00	576	2.98	96	0.50
Walmara	11,671	68.36	3,737	21.89	1,303	7.63	289	1.69	49	0.29	24	0.14
Alem Gana	16,983	82.41	1,955	9.49	1,308	6.35	309	1.50	26	0.13	26	0.13
Kersana Kondaltiti	9,237	41.89	6,801	30.84	4,017	18.22	1,243	5.64	673	3.05	80	0.36
Tole	9,383	90.21	518	4.98	301	2.89	103	0.99	84	0.81	12	0.12
Elu	10,159	98.12	113	1.09	70	0.68	-	-	-	-	12	0.12
Dawo	9,407	71.99	1,402	10.73	1,456	11.14	485	3.71	62	0.47	256	1.96
Walisona Goro	33,388	93.70	1,231	3.45	830	2.33	140	0.39	44	0.12	-	-
Becho	10,890	96.42	209	1.85	182	1.61	13	0.12	-	-	-	-
Kokir	7,493	60.61	2,300	18.61	1,762	14.25	587	4.75	135	1.09	85	0.69
Meta Robi	7,796	32.98	9,988	42.25	4,961	20.99	651	2.75	181	0.77	62	0.26
North Shewa(Oromia) Zone	108,041	45.58	64,445	27.19	44,435	18.75	14,190	5.99	4,308	1.82	1,592	0.67
Wara Jarso	7,984	31.92	9,023	36.08	5,216	20.86	2,243	8.97	475	1.90	68	0.27
Dera	4,516	12.89	12,624	36.03	12,937	36.93	3,495	9.98	996	2.84	467	1.33
Hidabu Abote	4,512	28.41	5,258	33.10	4,028	25.36	1,473	9.27	435	2.74	178	1.12
Kuyu	5,455	27.15	8,702	43.32	4,914	24.46	805	4.01	186	0.93	28	0.14
Degem	6,462	36.03	5,592	31.18	3,394	18.92	1,625	9.06	661	3.69	202	1.13
Gerar Jarso	5,139	39.04	2,821	21.43	3,099	23.54	1,452	11.03	403	3.06	249	1.89
Yaya Gulelena Debre	9,727	58.72	2,518	15.20	2,860	17.26	1,019	6.15	380	2.29	62	0.37
Wuchalena Jido	16,228	73.71	3,537	16.06	1,484	6.74	519	2.36	152	0.69	97	0.44
Abichuna Gna'a	7,854	66.18	2,755	23.21	1,004	8.46	212	1.79	43	0.36	-	-
Kembibit	8,821	81.22	1,728	15.91	269	2.48	15	0.14	27	0.25	-	-
Berehna Aleltu	19,585	79.05	2,969	11.98	1,403	5.66	460	1.86	239	0.96	118	0.48
Mulona Sululta	11,759	49.39	6,918	29.06	3,827	16.07	871	3.66	311	1.31	124	0.52

Table 8.32B:- Number of Crop Holders that Owned Local Storage 'Gottera' by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No 'Gottera'		One 'Gottera'		Two 'Gotteras'		Three 'Gotteras'		Four 'Gotteras'		Five and above 'Gotteras'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	162,913	51.72	96,497	30.64	34,612	10.99	12,469	3.96	5,203	1.65	3,272	1.04
Fentale	2,140	32.05	4,014	60.12	500	7.49	13	0.19	10	0.15	-	-
Boset	8,129	32.73	8,372	33.71	5,244	21.11	1,806	7.27	870	3.50	416	1.67
Adama	14,783	54.94	5,759	21.40	4,216	15.67	1,459	5.42	485	1.80	204	0.76
Lome	8,569	58.84	2,291	15.73	2,124	14.58	842	5.78	511	3.51	227	1.56
Gimbichu	7,555	48.53	3,021	19.40	3,054	19.62	1,217	7.82	465	2.99	257	1.65
Ada'a Liben Chukala	23,701	58.99	6,086	15.15	4,831	12.02	2,674	6.66	1,741	4.33	1,143	2.84
Dugda Bora	13,388	46.42	7,629	26.45	4,468	15.49	2,189	7.59	666	2.31	504	1.75
Adami Tullu Jido	10,752	45.19	11,490	48.29	1,347	5.66	184	0.77	-	-	21	0.09
Arsi Negele	14,298	53.78	9,252	34.80	2,061	7.75	600	2.26	228	0.86	145	0.55
Shashemene	27,699	60.07	14,314	31.04	3,413	7.40	566	1.23	-	-	116	0.25
Seraro	22,775	47.24	22,718	47.12	2,046	4.24	516	1.07	50	0.10	104	0.22
Akaki	9,122	71.85	1,551	12.22	1,309	10.31	404	3.18	175	1.38	135	1.06
Arsi Zone	212,050	43.01	161,703	32.80	81,010	16.43	26,729	5.42	8,571	1.74	2,944	0.60
Merti	7,745	34.04	6,922	30.43	5,128	22.54	1,981	8.71	689	3.03	285	1.25
Aseko	4,876	33.87	5,181	35.99	3,096	21.51	855	5.94	351	2.44	37	0.26
Gololcha	18,656	63.94	9,514	32.61	806	2.76	169	0.58	33	0.11	-	-
Jeju	12,301	55.37	5,253	23.64	3,242	14.59	990	4.46	379	1.71	52	0.23
Dodotana Sire	10,839	47.36	6,328	27.65	3,692	16.13	1,287	5.62	648	2.83	93	0.41
Zeway Dugda	5,587	26.35	9,867	46.54	4,060	19.15	1,138	5.37	467	2.20	81	0.38
Hitosa	24,489	62.43	7,867	20.05	4,367	11.13	1,702	4.34	584	1.49	220	0.56
Sude	16,740	65.64	4,779	18.74	2,761	10.83	1,001	3.93	100	0.39	120	0.47
Chole	6,403	40.22	4,943	31.05	3,055	19.19	1,150	7.22	280	1.76	87	0.55
Amigna	6,420	57.44	2,347	21.00	1,552	13.89	555	4.97	225	2.01	77	0.69
Seru	6,319	34.71	6,617	36.35	3,476	19.09	1,260	6.92	349	1.92	184	1.01
Robe	16,322	60.31	6,393	23.62	3,387	12.52	670	2.48	204	0.75	86	0.32
Tena	10,235	49.48	5,306	25.65	3,723	18.00	1,011	4.89	320	1.55	89	0.43
Sherka	8,669	32.83	8,210	31.09	5,492	20.80	2,374	8.99	1,251	4.74	409	1.55
Digeluna Tijo	8,787	39.61	7,986	36.00	3,602	16.24	1,378	6.21	257	1.16	171	0.77
Tiyo	5,157	32.28	5,421	33.93	3,400	21.28	1,250	7.82	524	3.28	226	1.41
Munesa	9,138	25.98	12,656	35.98	8,258	23.48	3,652	10.38	1,061	3.02	406	1.15
Bekoji	13,508	37.53	14,606	40.58	5,297	14.72	1,938	5.38	453	1.26	193	0.54
Gedeb	7,419	29.86	11,354	45.70	4,889	19.68	977	3.93	144	0.58	64	0.26
Kofele	12,444	29.61	20,153	47.95	7,725	18.38	1,390	3.31	251	0.60	65	0.15
West Harerge Zone	215,980	74.13	64,011	21.97	9,741	3.34	1,329	0.46	261	0.09	34	0.01
Mieso	11,228	68.46	4,950	30.18	222	1.35	-	-	-	-	-	-
Doba	13,631	59.87	7,505	32.96	1,417	6.22	215	0.94	-	-	-	-
Tulo	16,233	66.72	7,118	29.26	766	3.15	151	0.62	27	0.11	34	0.14
Mesela	18,785	72.70	6,520	25.23	503	1.95	32	0.12	-	-	-	-
Chiro	41,812	67.04	17,101	27.42	2,952	4.73	430	0.69	73	0.12	-	-
Goba Koricha	12,778	63.85	5,123	25.60	1,694	8.46	316	1.58	103	0.51	-	-
Anchar	8,519	63.43	4,106	30.57	648	4.83	99	0.74	58	0.43	-	-
Habro	28,133	92.59	1,790	5.89	463	1.52	-	-	-	-	-	-
Daroleḃu	24,586	91.13	2,165	8.03	227	0.84	-	-	-	-	-	-
Boke	19,237	86.87	2,528	11.42	354	1.60	25	0.11	-	-	-	-
Kuni	21,037	78.79	5,106	19.12	496	1.86	62	0.23	-	-	-	-
East Harerge Zone	341,213	88.12	43,295	11.18	2,453	0.63	171	0.04	61	0.02	-	-
Kombolcha	20,148	97.29	512	2.47	50	0.24	-	-	-	-	-	-
Jarso	16,119	94.53	706	4.14	175	1.03	26	0.15	26	0.15	-	-
Gursum	25,136	98.31	431	1.69	-	-	-	-	-	-	-	-
Babile	10,237	100.00	-	-	-	-	-	-	-	-	-	-
Fedis	24,536	99.88	29	0.12	-	-	-	-	-	-	-	-
Haro Maya	31,404	100.00	-	-	-	-	-	-	-	-	-	-
Kurfa Chele	6,290	88.32	832	11.68	-	-	-	-	-	-	-	-
Kersa	25,829	93.09	1,916	6.91	-	-	-	-	-	-	-	-

Table 8.32B:- Number of Crop Holders that Owned Local Storage 'Gottera' by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No 'Gottera'		One 'Gottera'		Two 'Gotteras'		Three 'Gotteras'		Four 'Gotteras'		Five and above 'Gotteras'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	36,136	82.55	7,204	16.46	435	0.99	-	-	-	-	-	-
Goro Gutu	19,583	76.15	5,592	21.74	474	1.84	34	0.13	35	0.14	-	-
Deder	29,901	78.14	7,474	19.53	778	2.03	112	0.29	-	-	-	-
Malka Balo	16,169	64.86	8,502	34.10	259	1.04	-	-	-	-	-	-
Bedeno	36,721	84.70	6,530	15.06	105	0.24	-	-	-	-	-	-
Girawa	35,728	91.88	2,987	7.68	171	0.44	-	-	-	-	-	-
Gola Oda	7,274	92.53	581	7.39	6	0.08	-	-	-	-	-	-
Bale Zone	139,904	54.00	74,520	28.77	28,148	10.87	10,931	4.22	3,685	1.42	1,870	0.72
Kokosa	21,492	91.94	1,326	5.67	458	1.96	32	0.14	32	0.14	35	0.15
Dodola	9,513	40.22	8,211	34.72	4,215	17.82	1,435	6.07	276	1.17	-	-
Adaba	8,328	41.94	7,605	38.30	2,840	14.30	835	4.21	248	1.25	-	-
Agarfa	4,378	33.30	3,940	29.97	3,398	25.85	1,006	7.65	338	2.57	86	0.65
Gasera	5,405	44.71	2,898	23.97	2,018	16.69	1,164	9.63	442	3.66	161	1.33
Gololcha	5,778	38.74	3,877	26.00	2,702	18.12	1,506	10.10	636	4.26	415	2.78
Legehida	7,357	90.89	665	8.22	72	0.89	-	-	-	-	-	-
Ginir	14,941	69.00	3,813	17.61	1,638	7.56	868	4.01	243	1.12	150	0.69
Sinanana Dinsho	9,195	36.80	5,979	23.93	5,502	22.02	2,638	10.56	838	3.35	836	3.35
Goba	2,585	35.99	2,089	29.08	1,693	23.57	631	8.78	163	2.27	22	0.31
Mennana Arena Buluk	7,715	40.19	11,119	57.92	306	1.59	29	0.15	29	0.15	-	-
Nensebo	12,461	87.95	1,163	8.21	499	3.52	27	0.19	-	-	19	0.13
Meda Welabu	5,515	43.92	6,876	54.76	166	1.32	-	-	-	-	-	-
Berbere	2,691	26.35	6,746	66.05	698	6.83	53	0.52	25	0.24	-	-
Guradamole	2,627	63.15	1,471	35.36	56	1.35	6	0.14	-	-	-	-
Goro	10,179	63.88	2,821	17.70	1,689	10.60	682	4.28	417	2.62	146	0.92
Raytu	3,874	62.81	2,162	35.05	132	2.14	-	-	-	-	-	-
Seweyna	5,867	76.09	1,760	22.82	66	0.86	18	0.23	-	-	-	-
Borena Zone	185,933	65.68	87,069	30.76	7,922	2.80	1,610	0.57	358	0.13	212	0.07
Uraga	36,015	84.50	5,743	13.47	865	2.03	-	-	-	-	-	-
Bore	17,959	59.01	8,992	29.55	2,413	7.93	739	2.43	212	0.70	118	0.39
Adolana Wadera	7,779	34.40	13,598	60.13	986	4.36	188	0.83	31	0.14	34	0.15
Odo Shakiso	7,376	52.63	6,562	46.82	77	0.55	-	-	-	-	-	-
Hager Mariam	68,674	79.75	17,054	19.80	194	0.23	194	0.23	-	-	-	-
Yabelo	5,956	59.08	4,043	40.11	82	0.81	-	-	-	-	-	-
Arero	1,947	58.45	1,367	41.04	6	0.18	11	0.33	-	-	-	-
Liben	3,813	25.69	10,554	71.10	477	3.21	-	-	-	-	-	-
Moyale	5,157	48.03	4,835	45.04	744	6.93	-	-	-	-	-	-
Dire	6,710	48.91	6,372	46.45	637	4.64	-	-	-	-	-	-
Teltele	950	12.91	4,458	60.56	1,331	18.08	477	6.48	85	1.15	60	0.82
Gelana Abaya	23,597	86.66	3,492	12.82	110	0.40	-	-	30	0.11	-	-

Table 8.33B:- Number of Crop Holders that Owned Local Storage 'Gudguad' by Geographic area.

Geographic area	Number of Crop holders that owned											
	No 'Gudguad'		One 'Gudguad'		Two 'Gudguads'		Three 'Gudguads'		Four 'Gudguads'		Five and above 'Gudguads'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	3,304,513	82.99	597,609	15.01	60,814	1.53	12,047	0.30	4,637	0.12	2,084	0.05
West Welega Zone	313,275	99.79	424	0.14	146	0.05	19	0.01	-	-	59	0.02
Mana Sibu	26,803	99.19	188	0.70	31	0.11	-	-	-	-	-	-
Nejo	17,844	99.60	72	0.40	-	-	-	-	-	-	-	-
Gimbi	17,031	99.62	24	0.14	41	0.24	-	-	-	-	-	-
Lalo Asabi	10,856	99.54	34	0.31	16	0.15	-	-	-	-	-	-
Boji	15,154	99.78	-	-	34	0.22	-	-	-	-	-	-
Ayra Guliso	16,371	100.00	-	-	-	-	-	-	-	-	-	-
Jarso	16,167	99.86	23	0.14	-	-	-	-	-	-	-	-
Gidami	13,636	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Horo	6,852	99.75	8	0.12	-	-	9	0.13	-	-	-	-
Hawa Welel	17,256	99.66	-	-	-	-	-	-	-	-	59	0.34
Gawo Dale	23,820	100.00	-	-	-	-	-	-	-	-	-	-
Dale Sadi	11,117	100.00	-	-	-	-	-	-	-	-	-	-
Yubdo	5,640	100.00	-	-	-	-	-	-	-	-	-	-
Ganji	9,550	99.37	38	0.40	13	0.14	10	0.10	-	-	-	-
Haru	11,508	100.00	-	-	-	-	-	-	-	-	-	-
Nole Kaba	23,388	100.00	-	-	-	-	-	-	-	-	-	-
Lalo Kilie	7,900	100.00	-	-	-	-	-	-	-	-	-	-
Sayo	19,844	100.00	-	-	-	-	-	-	-	-	-	-
Anfilo	11,837	99.91	-	-	11	0.09	-	-	-	-	-	-
Begi	30,698	99.88	36	0.12	-	-	-	-	-	-	-	-
East Welega Zone	260,340	99.79	289	0.11	191	0.07	73	0.03	-	-	-	-
Limu	20,664	99.87	26	0.13	-	-	-	-	-	-	-	-
Ibantu	5,061	99.49	7	0.14	19	0.37	-	-	-	-	-	-
Gida Kiremu	22,147	99.91	-	-	21	0.09	-	-	-	-	-	-
Jarte	7,354	99.88	9	0.12	-	-	-	-	-	-	-	-
Amuru	7,716	99.70	12	0.16	11	0.14	-	-	-	-	-	-
Abe Dongoro	9,458	99.87	12	0.13	-	-	-	-	-	-	-	-
Jimma Horo	23,879	99.40	80	0.33	64	0.27	-	-	-	-	-	-
Abay Chomen	4,701	99.70	7	0.15	7	0.15	-	-	-	-	-	-
Guduru	21,495	99.88	-	-	-	-	25	0.12	-	-	-	-
Jimma Rare	7,717	99.73	21	0.27	-	-	-	-	-	-	-	-
Bila Seyo	13,432	99.72	-	-	19	0.14	19	0.14	-	-	-	-
Sibu Sire	15,163	99.74	-	-	23	0.15	17	0.11	-	-	-	-
Guto Wayu	28,422	99.77	65	0.23	-	-	-	-	-	-	-	-
Sasiga	11,346	100.00	-	-	-	-	-	-	-	-	-	-
Leka Dulecha	10,539	99.85	16	0.15	-	-	-	-	-	-	-	-
Diga	11,825	99.64	18	0.15	12	0.10	13	0.11	-	-	-	-
Jimma Arjo	13,301	99.76	16	0.12	16	0.12	-	-	-	-	-	-
Nunu Kumba	10,438	100.00	-	-	-	-	-	-	-	-	-	-
Wama Bonaya	15,680	100.00	-	-	-	-	-	-	-	-	-	-
Illibabor Zone	194,828	99.76	432	0.22	27	0.01	-	-	-	-	-	-
Darimu	22,324	100.00	-	-	-	-	-	-	-	-	-	-
Supena Sodo	13,139	100.00	-	-	-	-	-	-	-	-	-	-
Chora	19,554	100.00	-	-	-	-	-	-	-	-	-	-
Dega	10,036	98.48	133	1.31	22	0.22	-	-	-	-	-	-
Bedele	20,513	100.00	-	-	-	-	-	-	-	-	-	-
Gechi	10,893	100.00	-	-	-	-	-	-	-	-	-	-
Borecha Wereda	9,030	100.00	-	-	-	-	-	-	-	-	-	-
Dedesa	14,033	100.00	-	-	-	-	-	-	-	-	-	-
yayu	19,201	100.00	-	-	-	-	-	-	-	-	-	-
Metu	22,651	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.33B:- Number of Crop Holders that Owned Local Storage 'Gudguad' by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No 'Gudguad'		One 'Gudguad'		Two 'Gudguads'		Three 'Gudguads'		Four 'Gudguads'		Five and above 'Gudguads'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	17,356	100.00	-	-	-	-	-	-	-	-	-	-
Bure	11,992	100.00	-	-	-	-	-	-	-	-	-	-
Nono	4,107	93.11	299	6.78	5	0.11	-	-	-	-	-	-
Jimma Zone	360,756	81.38	55,377	12.49	17,438	3.93	6,122	1.38	2,649	0.60	973	0.22
Limu Seka	29,245	100.00	-	-	-	-	-	-	-	-	-	-
Limu Kosa	44,869	97.71	563	1.23	489	1.06	-	-	-	-	-	-
Sokoru	15,483	60.51	5,691	22.24	3,079	12.03	683	2.67	492	1.92	158	0.62
Tiro Afeta	23,688	98.15	291	1.21	124	0.51	32	0.13	-	-	-	-
Kersa	27,498	93.30	968	3.28	572	1.94	396	1.34	40	0.14	-	-
Mana	25,637	92.17	1,244	4.47	189	0.68	124	0.45	124	0.45	498	1.79
Goma	42,729	86.28	4,802	9.70	1,087	2.19	678	1.37	174	0.35	53	0.11
Gera	20,690	99.46	113	0.54	-	-	-	-	-	-	-	-
Seka chekorsa	36,935	65.46	13,537	23.99	4,105	7.28	1,267	2.25	578	1.02	-	-
Dedo	27,753	51.36	19,460	36.01	4,414	8.17	1,623	3.00	704	1.30	81	0.15
Omonada	33,581	73.05	7,310	15.90	3,062	6.66	1,299	2.83	537	1.17	183	0.40
Sigmo	14,445	89.54	1,350	8.37	317	1.97	20	0.12	-	-	-	-
Setema	18,201	99.74	48	0.26	-	-	-	-	-	-	-	-
West Shewa Zone	468,199	93.16	20,230	4.03	10,018	1.99	2,786	0.55	1,060	0.21	298	0.06
Ginde Beret	33,630	100.00	-	-	-	-	-	-	-	-	-	-
Jeldu	33,651	99.85	50	0.15	-	-	-	-	-	-	-	-
Ambo	34,924	87.04	2,007	5.00	1,640	4.09	878	2.19	469	1.17	204	0.51
Cheliya	37,011	100.00	-	-	-	-	-	-	-	-	-	-
Bako Tibe	19,389	100.00	-	-	-	-	-	-	-	-	-	-
Dano	15,544	100.00	-	-	-	-	-	-	-	-	-	-
Nono	22,536	97.39	552	2.39	52	0.22	-	-	-	-	-	-
Tikur	2,534	20.12	5,241	41.61	3,486	27.68	959	7.61	301	2.39	75	0.60
Amaya	18,939	86.31	1,150	5.24	1,216	5.54	445	2.03	193	0.88	-	-
Wonchi	17,132	98.43	207	1.19	43	0.25	-	-	23	0.13	-	-
Dendi	35,464	95.57	1,267	3.41	281	0.76	48	0.13	46	0.12	-	-
Ejerie	14,890	97.84	269	1.77	41	0.27	-	-	-	-	19	0.12
Adda Berga	19,275	99.86	-	-	27	0.14	-	-	-	-	-	-
Walmara	16,917	99.09	135	0.79	21	0.12	-	-	-	-	-	-
Alem Gana	20,577	99.85	30	0.15	-	-	-	-	-	-	-	-
Kersana Kondaltiti	22,025	99.88	26	0.12	-	-	-	-	-	-	-	-
Tole	10,360	99.61	41	0.39	-	-	-	-	-	-	-	-
Elu	10,292	99.40	12	0.12	38	0.37	12	0.12	-	-	-	-
Dawo	13,006	99.53	62	0.47	-	-	-	-	-	-	-	-
Walisona Goro	24,951	70.02	7,803	21.90	2,550	7.16	329	0.92	-	-	-	-
Becho	11,255	99.65	12	0.11	13	0.12	14	0.12	-	-	-	-
Kokir	10,289	83.23	1,367	11.06	577	4.67	100	0.81	29	0.23	-	-
Meta Robi	23,605	99.86	-	-	34	0.14	-	-	-	-	-	-
North Shewa(Oromia) Zone	231,731	97.77	4,922	2.08	280	0.12	32	0.01	12	0.01	34	0.01
Wara Jarso	23,165	92.63	1,680	6.72	130	0.52	-	-	-	-	34	0.14
Dera	31,872	90.97	3,120	8.91	43	0.12	-	-	-	-	-	-
Hidabu Abote	15,803	99.49	50	0.31	31	0.20	-	-	-	-	-	-
Kuyu	20,090	100.00	-	-	-	-	-	-	-	-	-	-
Degem	17,936	100.00	-	-	-	-	-	-	-	-	-	-
Gerar Jarso	13,148	99.89	-	-	15	0.11	-	-	-	-	-	-
Yaya Gulelena Debre	16,566	100.00	-	-	-	-	-	-	-	-	-	-
Wuchalena Jido	21,988	99.87	-	-	29	0.13	-	-	-	-	-	-
Abichuna Gna'a	11,868	100.00	-	-	-	-	-	-	-	-	-	-
Kembibit	10,848	99.89	-	-	-	-	-	-	12	0.11	-	-
Berehna Aleltu	24,704	99.72	38	0.15	-	-	32	0.13	-	-	-	-
Mulona Sululta	23,743	99.72	36	0.15	31	0.13	-	-	-	-	-	-

Table 8.33B:- Number of Crop Holders that Owned Local Storage 'Gudguad' by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No 'Gudguad'		One 'Gudguad'		Two 'Gudguads'		Three 'Gudguads'		Four 'Gudguads'		Five and above 'Gudguads'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	313,593	99.56	1,225	0.39	148	0.05	-	-	-	-	-	-
Fentale	6,677	100.00	-	-	-	-	-	-	-	-	-	-
Boset	23,749	95.62	1,026	4.13	62	0.25	-	-	-	-	-	-
Adama	26,833	99.73	73	0.27	-	-	-	-	-	-	-	-
Lome	14,564	100.00	-	-	-	-	-	-	-	-	-	-
Gimbichu	15,569	100.00	-	-	-	-	-	-	-	-	-	-
Ada'a Liben Chukala	40,176	100.00	-	-	-	-	-	-	-	-	-	-
Dugda Bora	28,760	99.71	84	0.29	-	-	-	-	-	-	-	-
Adami Tullu Jido	23,794	100.00	-	-	-	-	-	-	-	-	-	-
Arsi Negele	26,521	99.76	42	0.16	21	0.08	-	-	-	-	-	-
Shashemene	46,056	99.89	-	-	52	0.11	-	-	-	-	-	-
Seraro	48,209	100.00	-	-	-	-	-	-	-	-	-	-
Akaki	12,682	99.89	-	-	14	0.11	-	-	-	-	-	-
Arsi Zone	430,737	87.37	55,307	11.22	6,189	1.26	569	0.12	205	0.04	-	-
Merti	16,077	70.67	6,079	26.72	567	2.49	27	0.12	-	-	-	-
Aseko	6,303	43.78	5,814	40.39	2,035	14.14	170	1.18	74	0.51	-	-
Gololcha	12,439	42.63	15,615	53.52	1,062	3.64	62	0.21	-	-	-	-
Jeju	20,349	91.59	1,612	7.26	208	0.94	24	0.11	24	0.11	-	-
Dodotana Sire	22,803	99.63	84	0.37	-	-	-	-	-	-	-	-
Zeway Dugda	21,200	100.00	-	-	-	-	-	-	-	-	-	-
Hitosa	39,185	99.89	-	-	44	0.11	-	-	-	-	-	-
Sude	23,508	92.18	1,783	6.99	147	0.58	63	0.25	-	-	-	-
Chole	10,431	65.53	4,877	30.64	553	3.47	57	0.36	-	-	-	-
Amigna	9,095	81.38	1,995	17.85	69	0.62	17	0.15	-	-	-	-
Seru	15,958	87.66	2,197	12.07	50	0.27	-	-	-	-	-	-
Robe	26,889	99.36	142	0.52	31	0.11	-	-	-	-	-	-
Tena	20,050	96.93	556	2.69	28	0.14	22	0.11	28	0.14	-	-
Sherka	23,947	90.69	2,279	8.63	118	0.45	28	0.11	33	0.12	-	-
Digeluna Tijo	22,072	99.51	44	0.20	48	0.22	17	0.08	-	-	-	-
Tiyo	15,978	100.00	-	-	-	-	-	-	-	-	-	-
Munesa	34,061	96.84	994	2.83	80	0.23	36	0.10	-	-	-	-
Bekoji	35,949	99.87	-	-	-	-	-	-	46	0.13	-	-
Gedeb	24,768	99.68	79	0.32	-	-	-	-	-	-	-	-
Kofele	29,672	70.60	11,159	26.55	1,150	2.74	47	0.11	-	-	-	-
West Harerge Zone	51,740	17.76	220,627	75.72	16,789	5.76	1,565	0.54	281	0.10	354	0.12
Mieso	3,165	19.30	11,742	71.60	1,305	7.96	125	0.76	20	0.12	43	0.26
Doba	1,316	5.78	20,645	90.68	748	3.29	28	0.12	-	-	31	0.14
Tulo	5,099	20.96	18,417	75.70	777	3.19	-	-	-	-	36	0.15
Mesela	6,601	25.55	18,204	70.45	969	3.75	66	0.26	-	-	-	-
Chiro	14,938	23.95	46,265	74.18	1,083	1.74	82	0.13	-	-	-	-
Goba Koricha	1,617	8.08	16,529	82.59	1,564	7.81	265	1.32	39	0.19	-	-
Anchar	2,021	15.05	10,504	78.21	834	6.21	28	0.21	18	0.13	25	0.19
Habro	5,234	17.23	22,058	72.59	2,389	7.86	377	1.24	108	0.36	220	0.72
Darolebu	4,523	16.77	20,359	75.47	1,921	7.12	80	0.30	95	0.35	-	-
Boke	2,619	11.83	16,785	75.80	2,579	11.65	161	0.73	-	-	-	-
Kuni	4,610	17.27	19,117	71.60	2,620	9.81	354	1.33	-	-	-	-
East Harerge Zone	163,485	42.22	215,518	55.66	7,264	1.88	625	0.16	170	0.04	131	0.03
Kombolcha	10,077	48.66	9,759	47.12	825	3.98	49	0.24	-	-	-	-
Jarso	12,309	72.19	4,578	26.85	165	0.97	-	-	-	-	-	-
Gursum	18,490	72.32	6,825	26.69	252	0.99	-	-	-	-	-	-
Babile	3,702	36.16	6,404	62.56	131	1.28	-	-	-	-	-	-
Fedis	5,736	23.35	18,584	75.65	230	0.94	15	0.06	-	-	-	-
Haro Maya	6,846	21.80	22,084	70.32	2,407	7.66	-	-	67	0.21	-	-
Kurfa Chele	2,858	40.13	4,186	58.78	78	1.10	-	-	-	-	-	-
Kersa	9,827	35.42	16,659	60.04	692	2.49	349	1.26	87	0.31	131	0.47

Table 8.33B:- Number of Crop Holders that Owned Local Storage 'Gudguad' by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No 'Gudguad'		One 'Gudguad'		Two 'Gudguads'		Three 'Gudguads'		Four 'Gudguads'		Five and above 'Gudguads'	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	15,618	35.68	27,448	62.70	709	1.62	-	-	-	-	-	-
Goro Gutu	7,711	29.98	17,845	69.39	162	0.63	-	-	-	-	-	-
Deder	19,686	51.45	18,171	47.49	298	0.78	110	0.29	-	-	-	-
Malka Balo	10,414	41.77	13,966	56.02	550	2.21	-	-	-	-	-	-
Bedeno	19,472	44.91	23,405	53.98	397	0.92	82	0.19	-	-	-	-
Girawa	19,230	49.45	19,428	49.96	228	0.59	-	-	-	-	-	-
Gola Oda	1,507	19.17	6,178	78.59	140	1.78	20	0.25	16	0.20	-	-
Bale Zone	238,150	91.93	18,695	7.22	1,498	0.58	256	0.10	224	0.09	235	0.09
Kokosa	7,077	30.28	14,826	63.43	913	3.91	150	0.64	191	0.82	218	0.93
Dodola	22,967	97.11	588	2.49	95	0.40	-	-	-	-	-	-
Adaba	19,856	100.00	-	-	-	-	-	-	-	-	-	-
Agarfa	12,556	95.51	456	3.47	134	1.02	-	-	-	-	-	-
Gasera	12,075	99.89	13	0.11	-	-	-	-	-	-	-	-
Gololcha	14,868	99.69	46	0.31	-	-	-	-	-	-	-	-
Legehida	7,769	95.98	252	3.11	57	0.70	5	0.06	11	0.14	-	-
Ginir	21,653	100.00	-	-	-	-	-	-	-	-	-	-
Sinanana Dinsho	24,988	100.00	-	-	-	-	-	-	-	-	-	-
Goba	7,183	100.00	-	-	-	-	-	-	-	-	-	-
Mennana Arena Buluk	19,198	100.00	-	-	-	-	-	-	-	-	-	-
Nensebo	11,256	79.44	2,483	17.52	289	2.04	101	0.71	23	0.16	17	0.12
Meda Welabu	12,557	100.00	-	-	-	-	-	-	-	-	-	-
Berbere	10,182	99.70	31	0.30	-	-	-	-	-	-	-	-
Guradamole	4,160	100.00	-	-	-	-	-	-	-	-	-	-
Goro	15,934	100.00	-	-	-	-	-	-	-	-	-	-
Raytu	6,168	100.00	-	-	-	-	-	-	-	-	-	-
Seweyna	7,701	99.87	-	-	10	0.13	-	-	-	-	-	-
Borena Zone	277,680	98.08	4,564	1.61	825	0.29	-	-	35	0.01	-	-
Uraga	42,623	100.00	-	-	-	-	-	-	-	-	-	-
Bore	26,328	86.51	3,252	10.69	818	2.69	-	-	35	0.12	-	-
Adolana Wadera	22,616	100.00	-	-	-	-	-	-	-	-	-	-
Odo Shakiso	14,015	100.00	-	-	-	-	-	-	-	-	-	-
Hager Mariam	84,916	98.61	1,200	1.39	-	-	-	-	-	-	-	-
Yabelo	10,081	100.00	-	-	-	-	-	-	-	-	-	-
Arero	3,331	100.00	-	-	-	-	-	-	-	-	-	-
Liben	14,844	100.00	-	-	-	-	-	-	-	-	-	-
Moyale	10,736	100.00	-	-	-	-	-	-	-	-	-	-
Dire	13,699	99.85	20	0.15	-	-	-	-	-	-	-	-
Teltele	7,261	98.64	93	1.26	7	0.10	-	-	-	-	-	-
Gelana Abaya	27,229	100.00	-	-	-	-	-	-	-	-	-	-

Table 8.34B:- Number of Crop Holders that Owned Modern Storage by Geographic area.

Geographic area	Number of Crop holders that owned											
	No Modern Storage		One Modern Storage		Two Modern Storages		Three Modern Storages		Four Modern Storages		Five and above Modern Storages	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Oromia Region	3,966,423	99.62	11,121	0.28	2,802	0.07	997	0.03	247	0.01	114	0.00
West Welega Zone	312,232	99.46	1,211	0.39	396	0.13	84	0.03	-	-	-	-
Mana Sibu	26,994	99.90	28	0.10	-	-	-	-	-	-	-	-
Nejo	17,896	99.89	-	-	20	0.11	-	-	-	-	-	-
Gimbi	17,057	99.77	39	0.23	-	-	-	-	-	-	-	-
Lalo Asabi	10,891	99.86	15	0.14	-	-	-	-	-	-	-	-
Boji	15,165	99.85	23	0.15	-	-	-	-	-	-	-	-
Ayra Guliso	16,293	99.52	58	0.35	20	0.12	-	-	-	-	-	-
Jarso	15,985	98.73	73	0.45	115	0.71	17	0.11	-	-	-	-
Gidami	13,596	99.71	40	0.29	-	-	-	-	-	-	-	-
Jimma Horo	6,834	99.49	26	0.38	9	0.13	-	-	-	-	-	-
Hawa Welel	17,234	99.53	63	0.36	18	0.10	-	-	-	-	-	-
Gawo Dale	23,632	99.21	29	0.12	96	0.40	63	0.26	-	-	-	-
Dale Sadi	11,070	99.58	30	0.27	17	0.15	-	-	-	-	-	-
Yubdo	5,618	99.61	8	0.14	14	0.25	-	-	-	-	-	-
Ganji	9,559	99.46	42	0.44	10	0.10	-	-	-	-	-	-
Haru	11,467	99.64	41	0.36	-	-	-	-	-	-	-	-
Nole Kaba	23,320	99.71	56	0.24	12	0.05	-	-	-	-	-	-
Lalo Kilie	7,891	99.89	-	-	9	0.11	-	-	-	-	-	-
Sayo	19,505	98.29	311	1.57	28	0.14	-	-	-	-	-	-
Anfilo	11,651	98.34	165	1.39	27	0.23	5	0.04	-	-	-	-
Begi	30,570	99.47	164	0.53	-	-	-	-	-	-	-	-
East Welega Zone	258,864	99.22	1,466	0.56	333	0.13	134	0.05	54	0.02	42	0.02
Limu	20,458	98.88	109	0.53	90	0.43	33	0.16	-	-	-	-
Ibantu	5,079	99.84	8	0.16	-	-	-	-	-	-	-	-
Gida Kiremu	22,072	99.57	96	0.43	-	-	-	-	-	-	-	-
Jarte	7,302	99.17	29	0.39	-	-	23	0.31	9	0.12	-	-
Amuru	7,663	99.02	16	0.21	36	0.47	24	0.31	-	-	-	-
Abe Dongoro	9,451	99.80	10	0.11	9	0.10	-	-	-	-	-	-
Jimma Horo	23,878	99.40	145	0.60	-	-	-	-	-	-	-	-
Abay Chomen	4,666	98.96	49	1.04	-	-	-	-	-	-	-	-
Guduru	20,943	97.32	528	2.45	49	0.23	-	-	-	-	-	-
Jimma Rare	7,697	99.47	41	0.53	-	-	-	-	-	-	-	-
Bila Seyo	13,341	99.04	129	0.96	-	-	-	-	-	-	-	-
Sibu Sire	15,077	99.17	74	0.49	18	0.12	34	0.22	-	-	-	-
Guto Wayu	28,445	99.85	42	0.15	-	-	-	-	-	-	-	-
Sasiga	11,346	100.00	-	-	-	-	-	-	-	-	-	-
Leka Dulecha	10,466	99.16	89	0.84	-	-	-	-	-	-	-	-
Diga	11,826	99.65	42	0.35	-	-	-	-	-	-	-	-
Jimma Arjo	13,280	99.60	18	0.14	35	0.26	-	-	-	-	-	-
Nunu Kumba	10,407	99.70	-	-	15	0.14	-	-	-	-	16	0.15
Wama Bonaya	15,467	98.64	42	0.27	81	0.52	20	0.13	45	0.29	25	0.16
Illibabor Zone	194,566	99.63	578	0.30	92	0.05	51	0.03	-	-	-	-
Darimu	22,265	99.74	-	-	30	0.13	29	0.13	-	-	-	-
Supena Sodo	13,104	99.73	35	0.27	-	-	-	-	-	-	-	-
Chora	19,469	99.57	57	0.29	28	0.14	-	-	-	-	-	-
Dega	10,180	99.89	11	0.11	-	-	-	-	-	-	-	-
Bedele	20,513	100.00	-	-	-	-	-	-	-	-	-	-
Gechi	10,878	99.86	15	0.14	-	-	-	-	-	-	-	-
Borecha Wereda	9,000	99.67	14	0.16	16	0.18	-	-	-	-	-	-
Dedesa	13,863	98.79	152	1.08	18	0.13	-	-	-	-	-	-
yayu	19,122	99.59	79	0.41	-	-	-	-	-	-	-	-
Metu	22,491	99.29	160	0.71	-	-	-	-	-	-	-	-

Table 8.34B:- Number of Crop Holders that Owned Modern Storage by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No Modern Storage		One Modern Storage		Two Modern Storages		Three Modern Storages		Four Modern Storages		Five and above Modern Storages	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
Illibabor Zone												
Ale	17,312	99.75	22	0.13	-	-	22	0.13	-	-	-	-
Bure	11,958	99.72	34	0.28	-	-	-	-	-	-	-	-
Nono	4,411	100.00	-	-	-	-	-	-	-	-	-	-
Jimma Zone	439,865	99.22	2,014	0.45	994	0.22	346	0.08	36	0.01	60	0.01
Limu Seka	29,245	100.00	-	-	-	-	-	-	-	-	-	-
Limu Kosa	45,534	99.16	344	0.75	43	0.09	-	-	-	-	-	-
Sokoru	25,490	99.62	29	0.11	38	0.15	29	0.11	-	-	-	-
Tiro Afeta	24,015	99.50	-	-	60	0.25	-	-	-	-	60	0.25
Kersa	28,968	98.28	75	0.25	215	0.73	180	0.61	36	0.12	-	-
Mana	27,351	98.33	427	1.54	38	0.14	-	-	-	-	-	-
Goma	48,741	98.42	525	1.06	257	0.52	-	-	-	-	-	-
Gera	20,692	99.47	-	-	111	0.53	-	-	-	-	-	-
Seka chekorsa	56,136	99.49	140	0.25	73	0.13	73	0.13	-	-	-	-
Dedo	53,892	99.74	66	0.12	77	0.14	-	-	-	-	-	-
Omonada	45,645	99.29	206	0.45	58	0.13	63	0.14	-	-	-	-
Sigmo	16,011	99.25	121	0.75	-	-	-	-	-	-	-	-
Setema	18,141	99.41	83	0.45	25	0.14	-	-	-	-	-	-
West Shewa Zone	501,103	99.70	881	0.18	330	0.07	165	0.03	112	0.02	-	-
Ginde Beret	33,443	99.44	141	0.42	46	0.14	-	-	-	-	-	-
Jeldu	33,525	99.48	131	0.39	45	0.13	-	-	-	-	-	-
Ambo	39,914	99.48	-	-	167	0.42	41	0.10	-	-	-	-
Cheliya	36,839	99.54	87	0.24	42	0.11	43	0.12	-	-	-	-
Bako Tibe	19,365	99.88	24	0.12	-	-	-	-	-	-	-	-
Dano	15,530	99.91	-	-	14	0.09	-	-	-	-	-	-
Nono	23,025	99.50	84	0.36	-	-	-	-	31	0.13	-	-
Tikur	12,596	100.00	-	-	-	-	-	-	-	-	-	-
Amaya	21,943	100.00	-	-	-	-	-	-	-	-	-	-
Wonchi	17,367	99.78	38	0.22	-	-	-	-	-	-	-	-
Dendi	36,992	99.69	114	0.31	-	-	-	-	-	-	-	-
Ejerie	15,219	100.00	-	-	-	-	-	-	-	-	-	-
Adda Berga	19,148	99.20	78	0.40	-	-	23	0.12	53	0.27	-	-
Walmara	17,053	99.88	20	0.12	-	-	-	-	-	-	-	-
Alem Gana	20,607	100.00	-	-	-	-	-	-	-	-	-	-
Kersana Kondaltiti	21,917	99.39	106	0.48	-	-	-	-	28	0.13	-	-
Tole	10,387	99.87	-	-	-	-	14	0.13	-	-	-	-
Elu	10,354	100.00	-	-	-	-	-	-	-	-	-	-
Dawo	13,052	99.88	-	-	16	0.12	-	-	-	-	-	-
Walisona Goro	35,590	99.88	43	0.12	-	-	-	-	-	-	-	-
Becho	11,279	99.87	15	0.13	-	-	-	-	-	-	-	-
Kokir	12,345	99.86	-	-	-	-	17	0.14	-	-	-	-
Meta Robi	23,611	99.88	-	-	-	-	28	0.12	-	-	-	-
North Shewa(Oromia) Zone	236,279	99.69	497	0.21	120	0.05	89	0.04	26	0.01	-	-
Wara Jarso	24,950	99.76	27	0.11	32	0.13	-	-	-	-	-	-
Dera	34,852	99.48	94	0.27	-	-	89	0.25	-	-	-	-
Hidabu Abote	15,819	99.59	25	0.16	40	0.25	-	-	-	-	-	-
Kuyu	19,828	98.70	236	1.17	-	-	-	-	26	0.13	-	-
Degem	17,898	99.79	38	0.21	-	-	-	-	-	-	-	-
Gerar Jarso	13,146	99.87	17	0.13	-	-	-	-	-	-	-	-
Yaya Gulelena Debre	16,545	99.87	21	0.13	-	-	-	-	-	-	-	-
Wuchalena Jido	22,017	100.00	-	-	-	-	-	-	-	-	-	-
Abichuna Gna'a	11,853	99.87	-	-	15	0.13	-	-	-	-	-	-
Kembibit	10,860	100.00	-	-	-	-	-	-	-	-	-	-
Berehna Aleltu	24,774	100.00	-	-	-	-	-	-	-	-	-	-
Mulona Sululta	23,739	99.70	38	0.16	33	0.14	-	-	-	-	-	-

Table 8.34B:- Number of Crop Holders that Owned Modern Storage by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No Modern Storage		One Modern Storage		Two Modern Storages		Three Modern Storages		Four Modern Storages		Five and above Modern Storages	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Shewa Zone	313,972	99.68	808	0.26	174	0.06	-	-	-	-	12	0.00
Fentale	6,658	99.72	19	0.28	-	-	-	-	-	-	-	-
Boset	24,825	99.95	-	-	-	-	-	-	-	-	12	0.05
Adama	26,728	99.34	111	0.41	67	0.25	-	-	-	-	-	-
Lome	14,494	99.52	51	0.35	19	0.13	-	-	-	-	-	-
Gimbichu	15,533	99.77	36	0.23	-	-	-	-	-	-	-	-
Ada'a Liben Chukala	40,132	99.89	44	0.11	-	-	-	-	-	-	-	-
Dugda Bora	28,810	99.88	34	0.12	-	-	-	-	-	-	-	-
Adami Tullu Jido	23,794	100.00	-	-	-	-	-	-	-	-	-	-
Arsi Negele	26,477	99.60	71	0.27	36	0.14	-	-	-	-	-	-
Shashemene	45,711	99.14	346	0.75	51	0.11	-	-	-	-	-	-
Seraro	48,144	99.87	65	0.13	-	-	-	-	-	-	-	-
Akaki	12,665	99.76	31	0.24	-	-	-	-	-	-	-	-
Arsi Zone	491,188	99.63	1,476	0.30	282	0.06	42	0.01	19	0.00	-	-
Merti	22,750	100.00	-	-	-	-	-	-	-	-	-	-
Aseko	14,358	99.74	38	0.26	-	-	-	-	-	-	-	-
Gololcha	29,142	99.88	36	0.12	-	-	-	-	-	-	-	-
Jeju	22,086	99.41	28	0.13	103	0.46	-	-	-	-	-	-
Dodotana Sire	22,764	99.46	123	0.54	-	-	-	-	-	-	-	-
Zeway Dugda	21,145	99.74	55	0.26	-	-	-	-	-	-	-	-
Hitosa	38,702	98.66	442	1.13	85	0.22	-	-	-	-	-	-
Sude	25,473	99.89	28	0.11	-	-	-	-	-	-	-	-
Chole	15,808	99.31	87	0.55	-	-	23	0.14	-	-	-	-
Amigna	11,144	99.71	32	0.29	-	-	-	-	-	-	-	-
Seru	18,155	99.73	50	0.27	-	-	-	-	-	-	-	-
Robe	26,999	99.77	63	0.23	-	-	-	-	-	-	-	-
Tena	20,684	100.00	-	-	-	-	-	-	-	-	-	-
Sherka	26,379	99.90	-	-	26	0.10	-	-	-	-	-	-
Digeluna Tijo	22,164	99.92	17	0.08	-	-	-	-	-	-	-	-
Tiyo	15,844	99.16	75	0.47	21	0.13	19	0.12	19	0.12	-	-
Munesa	35,050	99.66	121	0.34	-	-	-	-	-	-	-	-
Bekoji	35,796	99.45	152	0.42	47	0.13	-	-	-	-	-	-
Gedeb	24,718	99.48	129	0.52	-	-	-	-	-	-	-	-
Kofele	42,028	100.00	-	-	-	-	-	-	-	-	-	-
West Harerge Zone	291,253	99.96	103	0.04	-	-	-	-	-	-	-	-
Mieso	16,377	99.86	23	0.14	-	-	-	-	-	-	-	-
Doba	22,740	99.88	28	0.12	-	-	-	-	-	-	-	-
Tulo	24,329	100.00	-	-	-	-	-	-	-	-	-	-
Mesela	25,806	99.87	34	0.13	-	-	-	-	-	-	-	-
Chiro	62,368	100.00	-	-	-	-	-	-	-	-	-	-
Goba Koricha	20,014	100.00	-	-	-	-	-	-	-	-	-	-
Anchar	13,411	99.86	19	0.14	-	-	-	-	-	-	-	-
Habro	30,386	100.00	-	-	-	-	-	-	-	-	-	-
Darolebu	26,978	100.00	-	-	-	-	-	-	-	-	-	-
Boke	22,144	100.00	-	-	-	-	-	-	-	-	-	-
Kuni	26,701	100.00	-	-	-	-	-	-	-	-	-	-
East Harerge Zone	387,067	99.97	126	0.03	-	-	-	-	-	-	-	-
Kombolcha	20,710	100.00	-	-	-	-	-	-	-	-	-	-
Jarso	17,052	100.00	-	-	-	-	-	-	-	-	-	-
Gursum	25,567	100.00	-	-	-	-	-	-	-	-	-	-
Babile	10,237	100.00	-	-	-	-	-	-	-	-	-	-
Fedis	24,565	100.00	-	-	-	-	-	-	-	-	-	-
Haro Maya	31,404	100.00	-	-	-	-	-	-	-	-	-	-
Kurfa Chele	7,122	100.00	-	-	-	-	-	-	-	-	-	-
Kersa	27,673	99.74	72	0.26	-	-	-	-	-	-	-	-

Table 8.34B:- Number of Crop Holders that Owned Modern Storage by Geographic area. (Continued.)

Geographic area	Number of Crop holders that owned											
	No Modern Storage		One Modern Storage		Two Modern Storages		Three Modern Storages		Four Modern Storages		Five and above Modern Storages	
	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%	Holders	%
East Harerge Zone												
Meta	43,775	100.00	-	-	-	-	-	-	-	-	-	-
Goro Gutu	25,683	99.86	35	0.14	-	-	-	-	-	-	-	-
Deder	38,265	100.00	-	-	-	-	-	-	-	-	-	-
Malka Balo	24,911	99.92	19	0.08	-	-	-	-	-	-	-	-
Bedeno	43,356	100.00	-	-	-	-	-	-	-	-	-	-
Girawa	38,886	100.00	-	-	-	-	-	-	-	-	-	-
Gola Oda	7,861	100.00	-	-	-	-	-	-	-	-	-	-
Bale Zone	258,519	99.79	446	0.17	53	0.02	40	0.02	-	-	-	-
Kokosa	23,375	100.00	-	-	-	-	-	-	-	-	-	-
Dodola	23,442	99.12	175	0.74	33	0.14	-	-	-	-	-	-
Adaba	19,830	99.87	26	0.13	-	-	-	-	-	-	-	-
Agarfa	13,146	100.00	-	-	-	-	-	-	-	-	-	-
Gasera	12,088	100.00	-	-	-	-	-	-	-	-	-	-
Gololcha	14,895	99.87	19	0.13	-	-	-	-	-	-	-	-
Legehida	8,017	99.05	77	0.95	-	-	-	-	-	-	-	-
Ginir	21,626	99.88	27	0.12	-	-	-	-	-	-	-	-
Sinanana Dinsho	24,959	99.88	29	0.12	-	-	-	-	-	-	-	-
Goba	7,174	99.87	9	0.13	-	-	-	-	-	-	-	-
Mennana Arena Buluk	19,198	100.00	-	-	-	-	-	-	-	-	-	-
Nensebo	14,169	100.00	-	-	-	-	-	-	-	-	-	-
Meda Welabu	12,536	99.83	21	0.17	-	-	-	-	-	-	-	-
Berbere	10,213	100.00	-	-	-	-	-	-	-	-	-	-
Guradamole	4,145	99.64	15	0.36	-	-	-	-	-	-	-	-
Goro	15,852	99.49	22	0.14	20	0.13	40	0.25	-	-	-	-
Raytu	6,168	100.00	-	-	-	-	-	-	-	-	-	-
Seweyna	7,687	99.69	24	0.31	-	-	-	-	-	-	-	-
Borena Zone	281,514	99.44	1,515	0.54	29	0.01	46	0.02	-	-	-	-
Uraga	42,303	99.25	320	0.75	-	-	-	-	-	-	-	-
Bore	30,125	98.99	262	0.86	-	-	46	0.15	-	-	-	-
Adolana Wadera	22,544	99.68	72	0.32	-	-	-	-	-	-	-	-
Odo Shakiso	13,894	99.14	121	0.86	-	-	-	-	-	-	-	-
Hager Mariam	85,609	99.41	507	0.59	-	-	-	-	-	-	-	-
Yabelo	10,060	99.79	21	0.21	-	-	-	-	-	-	-	-
Arero	3,323	99.76	8	0.24	-	-	-	-	-	-	-	-
Liben	14,790	99.64	25	0.17	29	0.20	-	-	-	-	-	-
Moyale	10,712	99.78	24	0.22	-	-	-	-	-	-	-	-
Dire	13,638	99.41	81	0.59	-	-	-	-	-	-	-	-
Teltele	7,322	99.47	39	0.53	-	-	-	-	-	-	-	-
Gelana Abaya	27,194	99.87	35	0.13	-	-	-	-	-	-	-	-

ANNEX TABLE PRESENTING ESTIMATES, STANDARD ERRORS AND COEFFICIENTS OF VARIATION FOR SELECTED FARM IMPLEMENT VARIABLES

Annex Tables 8.1-8.13

ANNEX TABLE 8.1:- Standard Errors and Coefficient of Variation For the Number of Holders Reporting, Quantity Reported and Total Value, for Private Holdings, Regional

Implements, Equipment, Farm animals and Storage facilities	Number of Holders			Number of Implements, Equipment, Farm animals and Storages			Total Value		
	Reporting	S.E	C.V	Reported	S.E	C.V	(Birr)	S.E	C.V
Used for Clearing Land									
Axes	3,180,735	14,498.35	0.46	5,054,757	30,198.67	0.60	44,271,946	36,327,054.27	0.82
'Gejeras'	1,333,104	14,070.49	1.06	1,749,572	23,748.62	1.36	22,959,673	38,970,912.48	1.70
Shovels	1,214,645	9,717.99	0.80	1,398,222	13,561.99	0.97	16,286,908	23,255,834.56	1.43
Used for Cultivation									
Hoes	1,799,090	17,020.04	0.95	2,415,953	27,469.69	1.14	24,116,966	31,685,776.25	1.31
'Mekeskeshas'	209,704	9,190.66	4.38	302,718	14,915.20	4.93	1,243,920	6,353,675.54	5.11
Pick Axes	726,698	14,621.39	2.01	1,014,770	24,007.30	2.37	8,316,289	19,272,156.86	2.32
Tractors	-	-	-	-	-	-	-	-	-
Parts for traditional Plough									
'Degers'	2,573,190	13,589.79	0.53	4,400,328	35,675.37	0.81	11,040,065	10,282,125.55	0.93
'Erfes' (Handle)	2,534,338	13,740.47	0.54	3,596,052	26,007.02	0.72	5,971,842	6,887,076.71	1.15
Plough-Beams.	2,591,935	13,621.99	0.53	3,538,714	21,354.73	0.60	33,026,990	32,372,194.88	0.98
Plough -Tips (Metal)	2,602,623	13,965.57	0.54	3,120,697	19,397.06	0.62	41,238,102	32,171,775.85	0.78
'Wegel' -Tips	2,561,628	13,646.12	0.53	3,040,310	18,328.00	0.60	14,529,949	11,540,338.11	0.79
Yokes	2,585,850	13,625.76	0.53	3,104,582	18,180.79	0.59	20,857,735	18,034,955.12	0.86
Used for Harvesting									
Sickles	3,039,059	14,870.05	0.49	4,653,886	25,907.51	0.56	43,156,448	32,211,419.49	0.75
Used for Threshing									
Hay-Forks (Metal)	321,442	5,383.01	1.67	394,572	7,234.19	1.83	5,989,744	12,556,883.86	2.10
Hay-Forks (Wood)	1,229,590	11,869.67	0.97	1,924,887	21,587.96	1.12	6,310,750	8,747,534.85	1.39
Threshing Sticks	765,449	15,554.20	2.03	1,607,086	61,922.08	3.85	2,073,942	5,981,206.06	2.88
Winnowers (Metal)	9,681	987.81	10.20	11,072	1,221.02	11.03	94,136	1,033,197.23	10.98
Winnowers (Wood)	969,714	9,979.38	1.03	1,087,145	12,090.23	1.11	8,963,176	11,006,274.58	1.23
Other Farm Equipment									
Carts (Hauling)	37,604	3,403.67	9.05	43,940	5,194.61	11.82	6,970,164	67,341,706.36	9.66
Sprayers (Hand Operated)	57,062	2,269.93	3.98	61,051	2,406.18	3.94	15,408,997	75,420,554.76	4.89
Sprayers (Power Operated)	-	-	-	-	-	-	-	-	-
Tying Tools	-	-	-	-	-	-	-	-	-
Wheelbarrows	13,992	1,080.41	7.72	14,480	1,123.59	7.76	1,516,648	14,467,539.75	9.54
Animals Used for Ploughing									
Asses	5,019	580.02	11.56	7,307	918.66	12.57	3,399,143	42,881,504.71	12.62
Camels	71	30.66	43.27	71	30.66	43.27	64,007	2,842,170.40	44.40
Horses	334	102.86	30.80	522	163.86	31.41	239,501	8,105,849.69	33.84
Mules	-	-	-	-	-	-	-	-	-
Oxen	2,396,172	13,287.70	0.55	4,459,312	51,665.49	1.16	2,531,549,355	1,821,971,981.66	0.72
AnimalsUsed for Threshing or Transportation									
Asses	975,587	10,160.13	1.04	1,211,592	13,798.46	1.14	314,041,592	411,915,869.55	1.31
Camels	11,450	795.89	6.95	16,944	1,401.34	8.27	14,980,711	149,351,848.26	9.97
Cattle	2,444,409	13,797.61	0.56	6,242,998	55,058.44	0.88	3,140,442,613	2,518,209,121.15	0.80
Horses	369,961	9,176.16	2.48	508,863	13,576.94	2.67	190,677,389	511,844,597.25	2.68
Mules	88,925	2,441.48	2.75	92,025	2,540.59	2.76	80,021,173	236,470,588.50	2.96
Storage Structure									
'Debignits'	962,633	12,471.10	1.30	1,898,703	27,878.34	1.47	13,276,313	25,204,461.45	1.90
'Gotteras'	1,947,637	16,104.35	0.83	3,198,187	31,296.83	0.98	66,981,781	106,725,213.51	1.59
'Gudguads'	677,191	13,249.84	1.96	786,932	18,992.55	2.41	16,974,914	47,239,836.88	2.78
Modern Storages	15,280	1,071.69	7.01	21,301	1,722.29	8.09	*	*	*

ANNEX TABLE 8.2:- Standard Errors and Coefficient of Variation For the Number of Holders Reporting, Quantity Reported and Total Value, for Private Holdings, West Welega Zone.

Implements, Equipment, Farm animals and Storage facilities	Number of Holders			Number of Implements, Equipment, Farm animals and Storages			Total Value		
	Reporting	S.E	C.V	Reported	S.E	C.V	(Birr)	S.E	C.V
Used for Clearing Land									
Axes	277,927	2,391.16	0.86	449,882	5,099.91	1.13	3,811,971	6,910,957.79	1.81
'Gejeras'	226,294	3,321.64	1.47	336,752	6,157.63	1.83	2,986,280	6,909,018.23	2.31
Shovels	47,392	1,274.79	2.69	48,704	1,340.17	2.75	594,885	1,882,451.40	3.16
Used for Cultivation									
Hoes	251,007	3,811.43	1.52	430,297	7,593.80	1.76	3,884,384	9,823,496.29	2.53
'Mekeskeshas'	24,020	2,357.96	9.82	35,694	4,276.68	11.98	158,305	1,824,752.24	11.53
Pick Axes	37,096	3,159.43	8.52	55,925	5,738.02	10.26	550,499	5,770,643.92	10.48
Tractors	-	-	-	-	-	-	-	-	-
Parts for traditional Plough									
'Degers'	199,324	2,420.38	1.21	305,765	6,322.27	2.07	583,405	1,130,726.63	1.94
'Erfes' (Handle)	194,747	2,488.04	1.28	249,872	4,710.30	1.89	261,323	853,401.00	3.27
Plough-Beams.	200,986	2,401.93	1.20	228,750	3,003.58	1.31	1,063,215	2,383,120.19	2.24
Plough -Tips (Metal)	199,889	2,406.42	1.20	221,951	3,025.32	1.36	2,511,033	5,143,050.74	2.05
'Wegel' -Tips	196,304	2,441.13	1.24	216,324	2,954.93	1.37	1,249,352	2,435,106.52	1.95
Yokes	200,856	2,402.86	1.20	224,229	2,857.58	1.27	640,765	1,203,286.81	1.88
Used for Harvesting									
Sickles	255,311	2,369.97	0.93	421,259	5,931.85	1.41	2,345,145	4,422,636.33	1.89
Used for Threshing									
Hay-Forks (Metal)	1,068	178.77	16.74	1,740	344.64	19.80	4,514	124,350.49	27.55
Hay-Forks (Wood)	56,416	2,695.99	4.78	106,665	5,272.87	4.94	95,291	548,018.70	5.75
Threshing Sticks	90,175	4,414.08	4.90	199,423	11,501.82	5.77	177,919	1,585,238.76	8.91
Winnowers (Metal)	137	54.70	39.85	137	54.70	39.85	*	*	*
Winnowers (Wood)	10,686	1,238.01	11.59	13,198	1,577.48	11.95	39,550	570,619.77	14.43
Other Farm Equipment									
Carts (Hauling)	149	61.24	41.20	149	61.24	41.20	383	16,921.16	44.19
Sprayers (Hand Operated)	3,181	336.77	10.59	3,876	460.83	11.89	445,084	9,076,708.92	20.39
Sprayers (Power Operated)	-	-	-	-	-	-	-	-	-
Tying Tools	-	-	-	-	-	-	-	-	-
Wheelbarrows	465	132.92	28.56	515	146.23	28.39	19,522	647,526.82	33.17
Animals Used for Ploughing									
Asses	185	65.69	35.42	222	76.33	34.45	95,449	3,358,957.60	35.19
Camels	-	-	-	-	-	-	-	-	-
Horses	*	*	*	*	*	*	34,980	1,744,003.15	49.86
Mules	-	-	-	-	-	-	-	-	-
Oxen	168,767	2,314.04	1.37	268,341	4,416.20	1.65	110,699,667	205,162,490.89	1.85
AnimalsUsed for Threshing or Transportation									
Asses	50,887	1,457.58	2.86	62,622	1,952.17	3.12	16,106,367	57,395,730.03	3.56
Camels	-	-	-	-	-	-	-	-	-
Cattle	168,184	2,571.26	1.53	448,370	15,397.17	3.43	157,198,180	397,270,700.61	2.53
Horses	3,712	578.11	15.58	4,484	760.03	16.95	2,068,150	36,504,754.15	17.65
Mules	6,928	538.57	7.77	7,142	558.06	7.81	5,633,801	44,351,325.09	7.87
Storage Structure									
'Debignits'	42,220	1,940.89	4.60	61,465	2,844.12	4.63	485,360	2,587,602.47	5.33
'Gotteras'	158,386	3,130.83	1.98	248,479	6,000.62	2.41	4,235,499	14,822,823.38	3.50
'Gudguads'	648	170.40	26.28	1,249	466.23	37.33	18,163	566,465.82	31.19
Modern Storages	1,692	222.75	13.17	2,256	327.54	14.52	241,010	5,549,680.74	23.03

ANNEX TABLE 8.3. Standard Errors and Coefficients of Variation For the Number of Holders Reporting, Quantity Reported and Total Value, for Private Holdings, East Welega Zone.

Implements, Equipment, Farm animals and Storage facilities	Number of Holders			Number of Implements, Equipment, Farm animals and Storages			Total Value		
	Reporting	S.E	C.V	Reported	S.E	C.V	(Birr)	S.E	C.V
Used for Clearing Land									
Axes	239,123	3,086.81	1.29	408,047	6,991.80	1.71	3,050,986	7,104,528.39	2.33
'Gejeras'	128,616	2,939.64	2.29	158,799	4,334.07	2.73	1,399,508	4,391,459.32	3.14
Shovels	38,079	1,274.45	3.35	39,188	1,332.82	3.40	458,661	1,775,305.71	3.87
Used for Cultivation									
Hoes	161,817	3,440.66	2.13	246,521	7,171.07	2.91	1,526,885	4,920,556.39	3.22
'Mekeskeshas'	15,903	1,736.97	10.92	26,874	3,142.48	11.69	63,607	733,552.23	11.53
Pick Axes	37,736	2,946.75	7.81	52,020	4,759.46	9.15	403,332	5,344,311.35	13.25
Tractors	-	-	-	-	-	-	-	-	-
Parts for traditional Plough									
'Degers'	188,846	2,736.24	1.45	362,164	9,229.78	2.55	599,932	2,011,401.59	3.35
'Erfes' (Handle)	186,246	2,808.56	1.51	276,976	6,185.14	2.23	303,977	956,814.64	3.15
Plough-Beams.	189,914	2,709.15	1.43	239,611	4,157.98	1.74	1,238,167	3,592,740.80	2.90
Plough -Tips (Metal)	189,600	2,654.65	1.40	227,346	3,723.89	1.64	2,690,944	5,366,356.72	1.99
'Wegel' -Tips	189,136	2,674.68	1.41	226,138	3,732.71	1.65	1,177,559	4,704,051.72	3.99
Yokes	189,450	2,747.22	1.45	231,761	3,980.47	1.72	819,221	2,017,290.55	2.46
Used for Harvesting									
Sickles	234,349	2,952.82	1.26	483,800	8,447.25	1.75	2,390,672	6,139,599.30	2.57
Used for Threshing									
Hay-Forks (Metal)	2,043	250.93	12.28	3,234	422.33	13.06	8,826	143,568.57	16.27
Hay-Forks (Wood)	131,597	3,043.95	2.31	270,044	7,586.93	2.81	408,422	1,253,303.85	3.07
Threshing Sticks	40,881	2,605.28	6.37	88,138	7,012.83	7.96	120,060	1,093,672.39	9.11
Winnowers (Metal)	688	135.47	19.70	891	225.70	25.34	3,890	89,405.50	22.98
Winnowers (Wood)	43,705	2,521.79	5.77	51,475	3,171.36	6.16	229,444	1,908,952.55	8.32
Other Farm Equipment									
Carts (Hauling)	272	71.92	26.49	272	71.92	26.49	129,133	4,317,819.53	33.44
Sprayers (Hand Operated)	1,904	262.64	13.80	2,752	410.44	14.91	276,158	7,015,608.81	25.40
Sprayers (Power Operated)	-	-	-	-	-	-	-	-	-
Tying Tools	-	-	-	-	-	-	-	-	-
Wheelbarrows	279	95.65	34.30	331	128.48	38.77	11,429	540,448.48	47.29
Animals Used for Ploughing									
Asses	651	288.39	44.29	1,120	481.01	42.96	368,581	13,679,892.08	37.12
Camels	-	-	-	-	-	-	-	-	-
Horses	*	*	*	*	*	*	*	*	*
Mules	-	-	-	-	-	-	-	-	-
Oxen	180,171	2,674.98	1.48	359,255	6,643.15	1.85	165,857,764	348,308,390.23	2.10
AnimalsUsed for Threshing or Transportation									
Asses	49,373	1,951.59	3.95	63,135	2,709.24	4.29	15,325,834	66,237,104.71	4.32
Camels	*	*	*	*	*	*	*	*	*
Cattle	184,245	2,935.91	1.59	642,951	16,424.78	2.55	250,056,000	640,504,007.22	2.56
Horses	11,283	1,199.76	10.63	16,913	2,166.48	12.81	5,551,392	65,590,971.55	11.82
Mules	6,066	534.32	8.81	6,252	549.89	8.80	4,713,023	38,366,192.30	8.14
Storage Structure									
'Debignits'	128,321	3,447.69	2.69	233,833	8,556.02	3.66	2,134,365	9,480,401.95	4.44
'Gotteras'	143,301	4,087.60	2.85	269,371	9,390.92	3.49	5,155,433	41,873,673.02	8.12
'Gudguads'	553	119.65	21.63	890	189.53	21.30	*	*	*
Modern Storages	2,028	412.33	20.33	2,956	553.08	18.71	2,142,067	106,469,157.56	49.70

ANNEX TABLE 8.4:- Standard Errors and Coefficient of Variation For the Number of Holders Reporting, Quantity Reported and Total Value, for Private Holdings, Illibabor Zone

Implements, Equipment, Farm animals and Storage facilities	Number of Holders			Number of Implements, Equipment, Farm animals and Storages			Total Value		
	Reporting	S.E	C.V	Reported	S.E	C.V	(Birr)	S.E	C.V
Used for Clearing Land									
Axes	154,535	1,886.99	1.22	242,189	4,087.38	1.69	1,943,056	4,785,516.62	2.46
'Gejeras'	163,440	1,748.11	1.07	230,223	3,304.61	1.44	2,473,044	8,670,937.04	3.51
Shovels	31,841	1,437.55	4.51	33,169	1,573.13	4.74	318,707	2,064,152.63	6.48
Used for Cultivation									
Hoes	155,893	1,861.17	1.19	221,763	3,761.51	1.70	1,376,242	5,330,888.69	3.87
'Mekeskeshas'	5,577	757.53	13.58	6,809	988.41	14.52	23,662	345,180.19	14.59
Pick Axes	12,295	1,503.53	12.23	16,830	2,972.72	17.66	120,808	1,917,492.94	15.87
Tractors	-	-	-	-	-	-	-	-	-
Parts for traditional Plough									
'Degers'	134,248	1,932.23	1.44	176,482	3,492.28	1.98	418,817	1,258,666.09	3.01
'Erfes' (Handle)	133,319	1,920.15	1.44	178,732	3,624.79	2.03	129,366	417,743.25	3.23
Plough-Beams.	134,400	1,889.00	1.41	164,852	2,629.45	1.60	616,573	1,599,341.23	2.59
Plough -Tips (Metal)	133,563	1,945.68	1.46	159,411	2,756.08	1.73	1,445,513	3,661,767.84	2.53
'Wegel' -Tips	131,842	1,973.50	1.50	155,645	2,631.50	1.69	662,814	1,601,144.55	2.42
Yokes	134,462	1,899.35	1.41	158,747	2,733.88	1.72	376,808	1,077,424.76	2.86
Used for Harvesting									
Sickles	148,720	1,995.86	1.34	212,702	3,668.44	1.72	979,032	2,907,100.98	2.97
Used for Threshing									
Hay-Forks (Metal)	853	206.15	24.16	1,102	250.08	22.68	3,056	144,662.29	47.34
Hay-Forks (Wood)	41,886	1,880.00	4.49	74,406	3,785.99	5.09	61,577	486,545.83	7.90
Threshing Sticks	49,437	2,667.87	5.40	85,919	6,078.38	7.07	55,102	672,804.16	12.21
Winnowers (Metal)	439	153.77	35.02	495	173.52	35.03	1,439	53,223.87	36.99
Winnowers (Wood)	6,106	853.39	13.98	8,109	1,277.80	15.76	23,321	532,637.45	22.84
Other Farm Equipment									
Carts (Hauling)	*	*	*	*	*	*	*	*	*
Sprayers (Hand Operated)	2,308	248.42	10.76	2,466	266.81	10.82	398,745	5,733,095.73	14.38
Sprayers (Power Operated)	-	-	-	-	-	-	-	-	-
Tying Tools	-	-	-	-	-	-	-	-	-
Wheelbarrows	532	127.89	24.06	532	127.89	24.06	40,112	1,276,444.55	31.82
Animals Used for Ploughing									
Asses	169	61.60	36.43	244	89.30	36.65	78,440	2,916,581.66	37.18
Camels	-	-	-	-	-	-	-	-	-
Horses	-	-	-	-	-	-	-	-	-
Mules	-	-	-	-	-	-	-	-	-
Oxen	120,803	1,842.06	1.52	217,613	10,406.10	4.78	85,243,899	175,115,304.19	2.05
AnimalsUsed for Threshing or Transportation									
Asses	8,825	746.55	8.46	10,362	854.01	8.24	2,571,735	23,235,830.36	9.04
Camels	-	-	-	-	-	-	-	-	-
Cattle	125,445	1,874.95	1.49	316,056	7,762.85	2.46	115,798,807	282,412,370.21	2.44
Horses	15,626	1,029.32	6.59	19,487	1,284.75	6.59	6,450,998	45,683,959.62	7.08
Mules	4,795	421.11	8.78	5,121	452.18	8.83	3,859,059	37,573,319.98	9.74
Storage Structure									
'Debignits'	10,978	1,443.36	13.15	16,300	2,216.67	13.60	100,860	2,372,322.05	23.52
'Gotteras'	151,604	2,126.72	1.40	257,127	5,414.63	2.11	2,542,654	11,283,259.69	4.44
'Gudguads'	459	122.29	26.62	487	139.36	28.63	1,359	63,906.87	47.03
Modern Storages	721	155.10	21.51	915	205.11	22.42	*	*	*

ANNEX TABLE 8.5:- Standard Errors and Coefficient of Variation For the Number of Holders Reporting, Quantity Reported and Total Value, for Private Holdings, Jimma Zone.

Implements, Equipment, Farm animals and Storage facilities	Number of Holders			Number of Implements, Equipment, Farm animals and Storages			Total Value		
	Reporting	S.E	C.V	Reported	S.E	C.V	(Birr)	S.E	C.V
Used for Clearing Land									
Axes	365,401	6,197.62	1.70	606,061	14,884.63	2.46	5,464,583	18,512,722.48	3.39
Gejeras'	260,403	5,952.22	2.29	306,453	8,469.43	2.76	7,910,645	31,022,880.39	3.92
Shovels	59,047	3,037.98	5.14	61,557	3,342.91	5.43	824,112	5,282,463.76	6.41
Used for Cultivation									
Hoes	135,591	7,441.80	5.49	166,476	10,414.88	6.26	1,226,177	8,528,675.10	6.96
'Mekeskeshas'	56,756	5,687.70	10.02	80,034	8,706.47	10.88	293,504	4,086,580.16	13.92
Pick Axes	48,385	4,527.82	9.36	60,280	7,112.64	11.80	637,246	6,350,311.11	9.97
Tractors	-	-	-	-	-	-	-	-	-
Parts for traditional Plough									
'Degers'	327,071	5,861.91	1.79	440,484	11,321.27	2.57	1,070,133	2,990,626.85	2.79
Erfes' (Handle)	317,617	6,207.71	1.95	414,379	10,250.99	2.47	480,403	1,715,131.99	3.57
Plough-Beams.	328,709	5,829.82	1.77	410,049	9,260.83	2.26	1,898,296	6,288,265.59	3.31
Plough -Tips (Metal)	327,390	5,741.40	1.75	383,550	7,957.20	2.07	3,613,729	9,262,374.43	2.56
'Wegel' -Tips	323,363	5,877.72	1.82	375,257	7,924.75	2.11	1,789,825	4,834,691.70	2.70
Yokes	327,366	5,814.82	1.78	388,388	8,087.34	2.08	1,245,074	3,707,576.72	2.98
Used for Harvesting									
Sickles	341,254	6,343.15	1.86	450,997	10,609.49	2.35	4,897,882	14,228,697.06	2.91
Used for Threshing									
Hay-Forks (Metal)	1,701	371.76	21.86	1,758	379.50	21.59	9,975	387,811.24	38.88
Hay-Forks (Wood)	71,464	5,112.53	7.15	118,171	8,880.36	7.51	189,780	1,766,253.22	9.31
Threshing Sticks	152,453	7,895.95	5.18	275,252	17,351.52	6.30	199,550	1,552,759.97	7.78
Winnowers (Metal)	*	*	*	*	*	*	*	*	*
Winnowers (Wood)	31,168	4,140.33	13.28	38,046	5,374.47	14.13	142,943	2,166,408.03	15.16
Other Farm Equipment									
Carts (Hauling)	*	*	*	*	*	*	*	*	*
Sprayers (Hand Operated)	10,365	1,377.22	13.29	10,740	1,392.21	12.96	2,972,439	38,970,363.32	13.11
Sprayers (Power Operated)	-	-	-	-	-	-	-	-	-
Tying Tools	-	-	-	-	-	-	-	-	-
Wheelbarrows	1,570	330.61	21.06	1,633	355.11	21.75	126,015	3,151,143.23	25.01
Animals Used for Ploughing									
Asses	281	127.93	45.46	318	142.26	44.78	138,934	6,323,723.04	45.52
Camels	-	-	-	-	-	-	-	-	-
Horses	-	-	-	-	-	-	-	-	-
Mules	-	-	-	-	-	-	-	-	-
Oxen	297,281	5,386.43	1.81	494,213	10,427.33	2.11	229,468,648	520,952,410.34	2.27
AnimalsUsed for Threshing or Transportation									
Asses	31,186	2,364.67	7.58	34,458	2,853.26	8.28	9,008,300	79,041,869.49	8.77
Camels	-	-	-	-	-	-	-	-	-
Cattle	299,504	5,558.04	1.86	606,529	22,371.18	3.69	259,585,954	676,818,294.06	2.61
Horses	37,821	3,425.84	9.06	44,232	4,126.37	9.33	15,424,762	142,313,340.47	9.23
Mules	21,831	1,444.77	6.62	22,398	1,489.79	6.65	17,281,269	122,253,005.72	7.07
Storage Structure									
'Debignits'	16,725	3,170.17	18.95	27,956	5,857.79	20.95	187,778	4,485,201.67	23.89
'Gotteras'	333,136	6,732.16	2.02	590,897	15,659.66	2.65	10,964,388	37,058,445.23	3.38
'Gudguads'	82,558	7,834.46	9.49	125,293	13,801.18	11.02	433,081	6,455,725.14	14.91
Modern Storages	3,450	673.38	19.52	5,512	1,316.54	23.89	*	*	*

ANNEX TABLE 8.6:- Standard Errors and Coefficient of Variation For the Number of Holders Reporting, Quantity Reported and Total Value, for Private Holdings, West Shewa Zone.

Implements, Equipment, Farm animals and Storage facilities	Number of Holders			Number of Implements, Equipment, Farm animals and Storages			Total Value		
	Reporting	S.E	C.V	Reported	S.E	C.V	(Birr)	S.E	C.V
Used for Clearing Land									
Axes	433,901	3,689.35	0.85	760,372	11,224.01	1.48	5,460,839	10,218,072.97	1.87
'Gejeras'	83,537	3,712.16	4.44	90,677	4,217.93	4.65	846,290	4,424,144.30	5.23
Shovels	105,529	2,610.96	2.47	108,168	2,735.84	2.53	1,281,175	3,804,239.81	2.97
Used for Cultivation									
Hoes	194,827	5,876.54	3.02	273,275	10,138.41	3.71	2,275,229	8,893,034.01	3.91
'Mekeskeshas'	66,183	5,246.29	7.93	103,049	9,470.78	9.19	345,362	2,818,917.57	8.16
Pick Axes	100,018	4,152.34	4.15	131,396	6,723.61	5.12	1,185,684	5,442,746.21	4.59
Tractors	-	-	-	-	-	-	-	-	-
Parts for traditional Plough									
'Degers'	366,002	4,055.08	1.11	723,338	15,220.33	2.10	1,463,880	3,522,210.93	2.41
'Erfes' (Handle)	364,204	4,071.16	1.12	552,762	8,732.30	1.58	1,127,860	2,949,065.58	2.61
Plough-Beams.	367,571	4,096.62	1.11	526,182	7,532.14	1.43	5,359,157	13,985,304.57	2.61
Plough -Tips (Metal)	367,450	4,142.09	1.13	458,170	6,214.79	1.36	5,530,309	9,345,982.88	1.69
'Wegel' -Tips	366,341	4,127.92	1.13	449,122	6,182.44	1.38	2,037,988	3,587,143.63	1.76
Yokes	366,701	4,100.53	1.12	452,864	6,084.57	1.34	3,385,144	6,196,323.48	1.83
Used for Harvesting									
Sickles	450,129	3,655.78	0.81	839,782	11,117.15	1.32	6,231,988	11,533,402.71	1.85
Used for Threshing									
Hay-Forks (Metal)	20,595	1,352.95	6.57	26,053	1,928.29	7.40	357,903	2,794,739.02	7.81
Hay-Forks (Wood)	268,799	4,777.27	1.78	476,550	11,125.87	2.33	1,407,167	3,769,725.99	2.68
Threshing Sticks	30,129	3,465.68	11.50	49,614	6,770.06	13.65	140,219	2,188,680.53	15.61
Winnowers (Metal)	1,297	229.79	17.72	1,440	260.71	18.10	12,031	243,373.88	20.23
Winnowers (Wood)	188,975	3,875.54	2.05	214,727	4,723.40	2.20	1,654,537	4,022,135.00	2.43
Other Farm Equipment									
Carts (Hauling)	2,274	474.62	20.87	2,587	571.51	22.09	757,367	15,714,754.02	20.75
Sprayers (Hand Operated)	9,958	945.38	9.49	10,122	951.67	9.40	3,059,290	25,683,869.17	8.40
Sprayers (Power Operated)	-	-	-	-	-	-	-	-	-
Tying Tools	-	-	-	-	-	-	-	-	-
Wheelbarrows	968	211.76	21.87	1,064	239.09	22.47	98,663	3,064,807.00	31.06
Animals Used for Ploughing									
Asses	433	112.74	26.05	735	227.52	30.94	375,348	12,783,487.19	34.06
Camels	-	-	-	-	-	-	-	-	-
Horses	*	*	*	*	*	*	*	*	*
Mules	-	-	-	-	-	-	-	-	-
Oxen	345,447	4,316.58	1.25	689,341	11,185.41	1.62	419,131,913	714,069,069.91	1.70
AnimalsUsed for Threshing or Transportation									
Asses	123,802	3,565.16	2.88	155,433	4,778.70	3.07	35,763,284	115,653,553.78	3.23
Camels	-	-	-	-	-	-	-	-	-
Cattle	346,984	4,643.45	1.34	977,835	25,124.72	2.57	508,170,099	1,132,847,840.60	2.23
Horses	72,601	3,705.94	5.10	101,739	6,031.75	5.93	38,218,628	234,079,072.21	6.12
Mules	8,842	686.08	7.76	8,997	723.78	8.05	9,091,284	78,862,008.88	8.67
Storage Structure									
'Debignits'	203,523	5,646.99	2.77	383,490	12,017.61	3.13	3,772,523	14,467,531.39	3.83
'Gotteras'	261,549	5,655.27	2.16	475,574	13,508.70	2.84	6,852,608	34,918,216.33	5.10
'Gudguads'	34,392	3,792.63	11.03	54,574	6,535.58	11.98	184,674	2,366,923.99	12.82
Modern Storages	1,489	247.85	16.65	2,487	448.56	18.04	490,607	17,620,175.68	35.92

ANNEX TABLE 8.7:- Standard Errors and Coefficient of Variation For the Number of Holders Reporting, Quantity Reported and Total Value, for Private Holdings, North Shewa Zone.

Implements, Equipment, Farm animals and Storage facilities	Number of Holders			Number of Implements, Equipment, Farm animals and Storages			Total Value		
	Reporting	S.E	C.V	Reported	S.E	C.V	(Birr)	S.E	C.V
Used for Clearing Land									
Axes	201,220	2,422.40	1.20	323,239	5,383.10	1.67	2,101,107	4,695,363.48	2.23
'Gejeras'	1,999	328.61	16.44	2,239	361.46	16.15	23,182	429,302.07	18.52
Shovels	45,085	1,651.89	3.66	46,344	1,720.18	3.71	498,435	2,035,106.70	4.08
Used for Cultivation									
Hoes	29,256	2,162.90	7.39	34,747	3,075.35	8.85	248,018	1,772,748.80	7.15
'Mekeskeshas'	8,349	1,071.24	12.83	10,283	1,492.11	14.51	45,654	608,903.33	13.34
Pick Axes	95,859	4,060.61	4.24	135,371	7,404.52	5.47	903,878	3,682,262.61	4.07
Tractors	-	-	-	-	-	-	-	-	-
Parts for traditional Plough									
'Degers'	187,334	2,349.04	1.25	405,736	8,747.92	2.16	930,731	2,181,518.22	2.34
'Erfes' (Handle)	187,444	2,332.58	1.24	313,266	5,871.34	1.87	585,763	1,551,164.29	2.65
Plough-Beams.	188,777	2,356.32	1.25	330,055	6,144.07	1.86	2,680,765	8,411,480.59	3.14
Plough -Tips (Metal)	188,651	2,336.00	1.24	233,585	3,303.61	1.41	4,526,573	7,523,378.74	1.66
'Wegel' -Tips	188,291	2,332.13	1.24	228,996	3,216.67	1.40	1,285,551	2,095,149.05	1.63
Yokes	188,716	2,305.58	1.22	242,238	3,469.59	1.43	1,802,597	3,724,193.88	2.07
Used for Harvesting									
Sickles	222,014	2,298.70	1.04	460,630	6,128.38	1.33	3,618,389	7,968,627.86	2.20
Used for Threshing									
Hay-Forks (Metal)	11,672	1,346.62	11.54	14,337	1,781.11	12.42	224,509	2,981,136.09	13.28
Hay-Forks (Wood)	138,152	2,489.51	1.80	199,862	4,252.57	2.13	1,008,809	3,354,974.89	3.33
Threshing Sticks	15,251	2,548.28	16.71	34,222	6,704.39	19.59	54,634	839,386.87	15.36
Winnowers (Metal)	773	177.24	22.92	857	196.91	22.98	11,141	352,409.82	31.63
Winnowers (Wood)	96,633	2,223.77	2.30	111,670	2,797.28	2.50	1,165,843	3,285,182.84	2.82
Other Farm Equipment									
Carts (Hauling)	204	94.33	46.14	262	128.05	48.96	*	*	*
Sprayers (Hand Operated)	2,574	491.74	19.11	3,051	535.00	17.54	576,480	18,268,132.52	31.69
Sprayers (Power Operated)	-	-	-	-	-	-	-	-	-
Tying Tools	-	-	-	-	-	-	-	-	-
Wheelbarrows	146	64.09	43.84	146	64.09	43.84	*	*	*
Animals Used for Ploughing									
Asses	254	76.44	30.14	436	136.39	31.31	261,977	9,132,179.49	34.86
Camels	-	-	-	-	-	-	-	-	-
Horses	-	-	-	-	-	-	-	-	-
Mules	-	-	-	-	-	-	-	-	-
Oxen	175,353	2,145.68	1.22	362,848	5,495.90	1.51	252,824,609	452,592,932.11	1.79
AnimalsUsed for Threshing or Transportation									
Asses	89,850	2,116.32	2.36	113,351	2,982.71	2.63	22,787,008	71,722,782.62	3.15
Camels	-	-	-	-	-	-	-	-	-
Cattle	185,442	2,297.42	1.24	588,620	13,350.18	2.27	347,156,465	759,112,018.83	2.19
Horses	19,832	1,668.52	8.41	24,871	2,267.23	9.12	10,485,389	104,857,106.97	10.00
Mules	1,917	288.31	15.04	2,016	308.09	15.28	1,889,859	30,510,226.48	16.14
Storage Structure									
'Debignits'	140,951	3,308.75	2.35	327,209	9,359.62	2.86	1,940,154	9,014,788.45	4.65
'Gotteras'	128,970	3,295.32	2.56	222,559	7,392.20	3.32	5,042,365	25,883,667.95	5.13
'Gudguads'	5,280	1,361.97	25.79	5,832	1,524.87	26.15	117,626	3,192,700.57	27.14
Modern Storages	731	158.67	21.70	1,107	279.89	25.29	69,644	2,315,928.88	33.25

ANNEX TABLE 8.8:- Standard Errors and Coefficient of Variation For the Number of Holders Reporting, Quantity Reported and Total Value, for Private Holdings, East Shewa Zone.

Implements, Equipment, Farm animals and Storage facilities	Number of Holders			Number of Implements, Equipment, Farm animals and Storages			Total Value		
	Reporting	S.E	C.V	Reported	S.E	C.V	(Birr)	S.E	C.V
Used for Clearing Land									
Axes	240,927	4,002.95	1.66	411,591	10,074.78	2.45	3,069,800	10,379,182.21	3.38
'Gejeras'	44,383	2,370.75	5.34	46,433	2,458.49	5.29	706,539	4,064,604.62	5.75
Shovels	64,729	2,179.21	3.37	68,462	2,344.84	3.43	857,474	3,485,999.20	4.07
Used for Cultivation									
Hoes	69,424	4,201.43	6.05	84,626	6,453.24	7.63	535,273	4,784,498.08	8.94
'Mekeskeshas'	3,492	754.54	21.61	4,369	988.57	22.63	31,363	639,794.17	20.40
Pick Axes	58,064	3,549.18	6.11	74,502	5,483.17	7.36	822,324	5,223,564.50	6.35
Tractors	-	-	-	-	-	-	-	-	-
Parts for traditional Plough									
'Degers'	231,462	3,684.10	1.59	423,458	11,467.17	2.71	1,522,523	4,146,473.37	2.72
'Erfes' (Handle)	227,724	3,606.30	1.58	332,492	6,720.15	2.02	816,066	2,322,844.68	2.85
Plough-Beams.	233,933	3,603.43	1.54	326,978	5,844.23	1.79	5,067,246	12,387,554.04	2.44
Plough -Tips (Metal)	232,254	3,676.54	1.58	295,881	5,498.56	1.86	3,674,021	8,416,025.11	2.29
'Wegel' -Tips	229,990	3,749.00	1.63	291,569	5,209.07	1.79	1,103,265	2,437,783.91	2.21
Yokes	233,768	3,630.45	1.55	296,220	5,111.05	1.73	2,964,008	7,190,984.10	2.43
Used for Harvesting									
Sickles	214,232	3,756.14	1.75	298,381	6,105.21	2.05	3,603,415	9,340,010.12	2.59
Used for Threshing									
Hay-Forks (Metal)	79,955	2,635.20	3.30	103,934	3,963.53	3.81	1,676,873	7,122,486.80	4.25
Hay-Forks (Wood)	50,271	3,112.76	6.19	74,265	5,360.56	7.22	401,449	2,668,665.64	6.65
Threshing Sticks	23,495	3,249.34	13.83	42,118	6,607.31	15.69	100,949	1,786,717.65	17.70
Winnowers (Metal)	914	229.19	25.08	932	231.91	24.88	14,834	436,437.88	29.42
Winnowers (Wood)	87,286	2,832.14	3.24	100,425	3,451.88	3.44	1,173,224	4,332,840.12	3.69
Other Farm Equipment									
Carts (Hauling)	11,418	1,046.90	9.17	11,971	1,107.14	9.25	4,408,206	60,507,319.64	13.73
Sprayers (Hand Operated)	7,074	653.20	9.23	7,134	658.86	9.24	2,395,544	23,390,847.49	9.76
Sprayers (Power Operated)	-	-	-	-	-	-	-	-	-
Tying Tools	-	-	-	-	-	-	-	-	-
Wheelbarrows	3,378	652.07	19.30	3,452	681.37	19.74	419,748	8,987,275.39	21.41
Animals Used for Ploughing									
Asses	*	*	*	*	*	*	315,484	15,391,920.86	48.79
Camels	-	-	-	-	-	-	-	-	-
Horses	*	*	*	*	*	*	*	*	*
Mules	-	-	-	-	-	-	-	-	-
Oxen	200,041	3,497.24	1.75	402,846	8,063.47	2.00	278,402,921	672,032,259.09	2.41
AnimalsUsed for Threshing or Transportation									
Asses	143,594	3,828.57	2.67	198,278	5,617.23	2.83	54,391,742	163,993,203.66	3.02
Camels	1,434	320.11	22.32	2,284	540.78	23.68	2,761,968	97,010,535.15	35.12
Cattle	199,508	3,623.71	1.82	490,939	11,614.15	2.37	311,469,384	758,512,311.41	2.44
Horses	10,799	1,563.54	14.48	14,329	2,550.61	17.80	6,721,526	114,143,985.15	16.98
Mules	4,490	585.13	13.03	4,562	597.13	13.09	5,654,615	79,251,417.35	14.02
Storage Structure									
'Debignits'	41,116	3,280.51	7.98	74,804	5,978.55	7.99	578,943	7,489,041.50	12.94
'Gotteras'	152,053	5,504.53	3.62	243,175	10,129.64	4.17	8,361,445	48,056,107.02	5.75
'Gudguads'	1,373	626.53	45.64	1,521	680.65	44.75	*	*	*
Modern Storages	994	235.56	23.69	1,218	296.27	24.33	596,075	29,771,131.17	49.95

ANNEX TABLE 8.9:- Standard Errors and Coefficient of Variation For the Number of Holders Reporting, Quantity Reported and Total Value, for Private Holdings, Arsi Zone.

Implements, Equipment, Farm animals and Storage facilities	Number of Holders			Number of Implements, Equipment, Farm animals and Storages			Total Value		
	Reporting	S.E	C V	Reported	S.E	C.V	(Birr)	S.E	C.V
Used for Clearing Land									
Axes	389,736	4,357.72	1.12	669,093	10,324.25	1.54	6,854,842	14,391,250.54	2.10
'Gejeras'	78,324	3,991.72	5.10	83,465	4,287.76	5.14	1,315,384	7,445,815.46	5.66
Shovels	109,708	2,927.27	2.67	121,036	3,631.33	3.00	1,748,564	5,989,848.54	3.43
Used for Cultivation									
Hoes	129,934	3,935.55	3.03	146,161	5,670.11	3.88	1,421,508	5,372,520.61	3.78
'Mekeskeshas'	3,447	1,233.64	35.79	3,561	1,278.07	35.89	61,869	1,768,060.86	28.58
Pick Axes	157,861	4,979.78	3.15	251,487	11,861.02	4.72	1,623,259	8,271,443.72	5.10
Tractors	-	-	-	-	-	-	-	-	-
Parts for traditional Plough									
'Degers'	377,086	4,133.04	1.10	645,024	11,541.21	1.79	1,660,749	3,111,818.53	1.87
'Erfes' (Handle)	371,964	4,244.53	1.14	561,403	8,607.12	1.53	778,479	1,693,101.67	2.17
Plough-Beams.	379,097	4,119.93	1.09	611,610	8,252.98	1.35	5,835,335	11,373,617.38	1.95
Plough -Tips (Metal)	377,121	4,089.49	1.08	472,365	7,865.65	1.67	6,163,348	11,943,719.27	1.94
'Wegel' -Tips	377,042	4,087.54	1.08	461,520	5,834.21	1.26	2,059,827	3,616,067.55	1.76
Yokes	377,234	4,093.40	1.09	468,738	5,791.28	1.24	3,946,589	7,328,872.35	1.86
Used for Harvesting									
Sickles	407,590	4,308.74	1.06	573,916	7,213.21	1.26	7,810,860	12,792,915.12	1.64
Used for Threshing									
Hay-Forks (Metal)	166,791	3,821.62	2.29	200,712	4,940.00	2.46	3,140,492	8,808,061.76	2.80
Hay-Forks (Wood)	156,295	3,603.17	2.31	221,353	6,295.61	2.84	1,033,120	3,345,138.89	3.24
Threshing Sticks	35,756	3,701.11	10.35	61,601	6,677.01	10.84	93,183	1,204,596.72	12.93
Winnowers (Metal)	1,335	245.57	18.39	1,444	277.16	19.19	14,087	301,884.86	21.43
Winnowers (Wood)	231,749	3,571.53	1.54	252,307	4,160.16	1.65	2,225,894	4,444,397.67	2.00
Other Farm Equipment									
Carts (Hauling)	14,723	1,808.35	12.28	16,979	2,337.88	13.77	1,236,247	21,469,067.48	17.37
Sprayers (Hand Operated)	9,272	878.42	9.47	9,893	986.54	9.97	3,169,568	43,847,254.41	13.83
Sprayers (Power Operated)	-	-	-	-	-	-	-	-	-
Tying Tools	-	-	-	-	-	-	-	-	-
Wheelbarrows	1,467	321.17	21.89	1,467	321.17	21.89	109,994	2,741,890.31	24.93
Animals Used for Ploughing									
Asses	1,004	251.80	25.07	1,507	396.06	26.28	738,359	23,133,428.75	31.33
Camels	-	-	-	-	-	-	-	-	-
Horses	*	*	*	*	*	*	*	*	*
Mules	-	-	-	-	-	-	-	-	-
Oxen	354,034	4,047.58	1.14	684,566	9,348.60	1.37	429,294,134	680,793,833.83	1.59
AnimalsUsed for Threshing or Transportation									
Asses	164,438	3,806.92	2.32	206,094	5,421.47	2.63	52,865,254	151,122,114.18	2.86
Camels	*	*	*	*	*	*	*	*	*
Cattle	367,539	4,165.08	1.13	1,064,535	19,921.62	1.87	566,092,400	975,096,956.30	1.72
Horses	112,222	4,218.71	3.76	160,639	6,901.40	4.30	61,237,221	276,843,886.67	4.52
Mules	14,579	926.54	6.36	15,235	990.64	6.50	13,951,154	92,847,260.97	6.66
Storage Structure									
'Debignits'	213,387	5,519.58	2.59	521,088	16,581.71	3.18	2,441,885	10,312,028.09	4.22
'Gotteras'	280,957	4,940.18	1.76	454,386	9,900.65	2.18	12,238,221	41,807,739.08	3.42
'Gudguads'	62,270	4,162.18	6.68	70,213	4,571.64	6.51	1,362,925	9,996,473.24	7.33
Modern Storages	1,818	305.97	16.83	2,241	396.07	17.68	3,186,321	98,578,344.76	30.94

ANNEX TABLE 8.10:- Standard Errors and Coefficient of Variation For the Number of Holders Reporting, Quantity Reported and Total Value, for Private Holdings, West Harerge Zone.

Implements, Equipment, Farm animals and Storage facilities	Number of Holders			Number of Implements, Equipment, Farm animals and Storages			Total Value		
	Reporting	S.E	C.V	Reported	S.E	C.V	(Birr)	S.E	C.V
Used for Clearing Land									
Axes	200,946	4,731.13	2.35	264,047	7,142.56	2.71	3,825,324	12,839,542.07	3.36
'Gejeras'	17,957	2,776.71	15.46	19,589	3,097.57	15.81	420,340	7,071,930.17	16.82
Shovels	250,638	4,252.60	1.70	315,778	7,724.85	2.45	4,447,693	16,962,142.53	3.81
Used for Cultivation									
Hoes	213,559	4,392.00	2.06	245,700	5,783.22	2.35	5,025,490	15,530,585.71	3.09
'Mekeskeshas'	4,256	1,054.14	24.77	4,972	1,369.92	27.55	56,976	1,508,724.04	26.48
Pick Axes	9,703	1,207.44	12.44	11,319	1,459.93	12.90	148,203	1,965,579.26	13.26
Tractors	-	-	-	-	-	-	-	-	-
Parts for traditional Plough									
'Degers'	175,165	4,937.75	2.82	265,053	10,276.88	3.88	1,086,361	5,243,359.74	4.83
'Erfes' (Handle)	172,874	5,033.12	2.91	215,555	11,268.50	5.23	617,808	4,288,344.84	6.94
Plough-Beams.	177,295	5,066.12	2.86	196,309	6,117.63	3.12	4,531,870	18,076,703.99	3.99
Plough -Tips (Metal)	176,041	4,959.87	2.82	189,876	6,048.78	3.19	3,749,627	13,344,575.53	3.56
'Wegel' -Tips	175,645	4,915.27	2.80	189,995	5,895.28	3.10	1,127,788	4,400,728.43	3.90
Yokes	177,054	5,052.68	2.85	189,191	5,955.36	3.15	2,474,996	9,772,714.28	3.95
Used for Harvesting									
Sickles	209,702	4,813.37	2.30	230,890	5,546.55	2.40	4,010,903	11,064,991.00	2.76
Used for Threshing									
Hay-Forks (Metal)	4,415	861.74	19.52	4,701	894.50	19.03	81,511	2,152,148.77	26.40
Hay-Forks (Wood)	118,199	4,010.64	3.39	139,844	5,463.55	3.91	836,453	4,558,148.88	5.45
Threshing Sticks	116,925	6,847.78	5.86	229,810	16,085.66	7.00	441,892	2,838,190.61	6.42
Winnowers (Metal)	928	232.91	25.10	1,141	367.03	32.18	9,808	264,432.14	26.96
Winnowers (Wood)	107,280	3,421.59	3.19	116,313	4,145.83	3.56	1,157,968	5,731,617.98	4.95
Other Farm Equipment									
Carts (Hauling)	431	204.55	47.50	*	*	*	7,832	384,037.68	49.04
Sprayers (Hand Operated)	1,862	340.58	18.29	1,862	340.58	18.29	498,469	15,465,206.72	31.03
Sprayers (Power Operated)	-	-	-	-	-	-	-	-	-
Tying Tools	-	-	-	-	-	-	-	-	-
Wheelbarrows	1,986	382.91	19.28	2,052	394.54	19.23	367,308	7,536,783.26	20.52
Animals Used for Ploughing									
Asses	478	174.04	36.41	507	184.47	36.39	230,708	8,407,607.93	36.44
Camels	-	-	-	-	-	-	-	-	-
Horses	-	-	-	-	-	-	-	-	-
Mules	-	-	-	-	-	-	-	-	-
Oxen	168,373	4,855.78	2.88	306,643	43,056.28	14.04	193,953,925	641,684,913.31	3.31
AnimalsUsed for Threshing or Transportation									
Asses	88,677	3,729.37	4.21	99,381	4,315.17	4.34	30,187,801	135,247,131.42	4.48
Camels	1,782	388.79	21.82	3,423	814.53	23.79	3,392,058	79,549,453.64	23.45
Cattle	180,611	5,114.33	2.83	334,197	11,893.65	3.56	224,771,315	782,404,052.69	3.48
Horses	656	185.08	28.23	656	185.08	28.23	347,330	10,834,093.64	31.19
Mules	1,559	279.42	17.92	1,658	295.68	17.83	1,775,281	32,752,772.76	18.45
Storage Structure									
'Debignits'	64,687	3,924.37	6.07	85,436	5,449.47	6.38	690,961	5,063,235.83	7.33
'Gotteras'	75,377	4,378.52	5.81	88,731	5,786.08	6.52	1,900,467	16,675,302.22	8.77
'Gudguads'	239,616	5,177.45	2.16	262,393	6,177.45	2.35	8,648,532	37,673,460.95	4.36
Modern Storages	*	*	*	*	*	*	*	*	*

ANNEX TABLE 8.11:- Standard Errors and Coefficient of Variation For the Number of Holders Reporting, Quantity Reported and Total Value, for Private Holdings, East Harerge Zone.

Implements, Equipment, Farm animals and Storage facilities	Number of Holders			Number of Implements, Equipment, Farm animals and Storages			Total Value		
	Reporting	S.E	C.V	Reported	S.E	C.V	(Birr)	S.E	C.V
Used for Clearing Land									
Axes	280,925	4,952.85	1.76	388,139	7,845.42	2.02	3,618,594	9,000,504.08	2.49
'Gejeras'	4,996	1,126.36	22.55	5,405	1,202.95	22.25	86,749	2,228,654.05	25.69
Shovels	340,611	4,389.73	1.29	421,275	6,712.82	1.59	3,636,924	9,721,520.81	2.67
Used for Cultivation									
Hoes	297,652	5,151.58	1.73	363,468	7,512.46	2.07	4,907,137	14,416,699.52	2.94
'Mekeskeshas'	7,538	2,674.87	35.48	8,482	2,870.28	33.84	28,435	793,900.88	27.92
Pick Axes	9,082	1,948.89	21.46	9,942	2,040.83	20.53	97,840	2,129,669.14	21.77
Tractors	-	-	-	-	-	-	-	-	-
Parts for traditional Plough									
'Degers'	117,656	4,318.52	3.67	203,706	8,707.18	4.27	564,057	2,479,135.13	4.40
'Erfes' (Handle)	114,105	4,286.69	3.76	126,972	5,084.48	4.00	285,132	1,259,908.51	4.42
Plough-Beams.	121,931	4,411.54	3.62	128,234	4,702.09	3.67	1,450,731	5,914,500.74	4.08
Plough -Tips (Metal)	144,659	5,445.13	3.76	155,307	6,006.90	3.87	2,260,757	9,815,858.91	4.34
'Wegel' -Tips	116,133	4,321.80	3.72	122,547	4,765.36	3.89	612,117	2,567,615.16	4.19
Yokes	120,673	4,400.36	3.65	125,158	4,626.39	3.70	1,047,297	4,447,386.17	4.25
Used for Harvesting									
Sickles	216,499	5,609.08	2.59	233,994	6,353.07	2.72	2,503,744	8,712,007.79	3.48
Used for Threshing									
Hay-Forks (Metal)	4,138	652.84	15.78	4,293	663.32	15.45	33,497	658,277.85	19.65
Hay-Forks (Wood)	98,320	4,435.50	4.51	108,116	4,961.89	4.59	383,132	2,031,956.74	5.30
Threshing Sticks	140,770	6,106.08	4.34	219,663	11,822.48	5.38	477,867	2,608,167.64	5.46
Winnowers (Metal)	1,210	256.91	21.23	1,336	282.69	21.15	10,662	294,095.76	27.58
Winnowers (Wood)	87,873	4,112.68	4.68	95,304	4,467.14	4.69	584,543	3,095,176.04	5.30
Other Farm Equipment									
Carts (Hauling)	777	196.87	25.35	964	254.86	26.44	*	*	*
Sprayers (Hand Operated)	2,575	504.78	19.60	2,658	538.55	20.26	261,660	7,457,395.96	28.50
Sprayers (Power Operated)	-	-	-	-	-	-	-	-	-
Tying Tools	-	-	-	-	-	-	-	-	-
Wheelbarrows	1,774	386.77	21.80	1,817	391.59	21.55	233,598	5,859,483.08	25.08
Animals Used for Ploughing									
Asses	599	231.29	38.64	652	246.46	37.82	231,541	9,400,372.16	40.60
Camels	-	-	-	-	-	-	-	-	-
Horses	-	-	-	-	-	-	-	-	-
Mules	-	-	-	-	-	-	-	-	-
Oxen	141,655	4,580.63	3.23	188,728	6,585.47	3.49	114,984,153	418,309,156.07	3.64
AnimalsUsed for Threshing or Transportation									
Asses	96,731	3,571.01	3.69	104,563	4,012.27	3.84	27,531,304	108,629,067.70	3.95
Camels	705	181.35	25.73	1,090	320.14	29.37	1,002,873	28,884,213.01	28.80
Cattle	145,961	4,671.77	3.20	201,321	7,241.89	3.60	119,588,854	435,976,153.25	3.65
Horses	2,907	702.20	24.15	3,025	711.83	23.53	980,557	25,463,043.78	25.97
Mules	656	203.89	31.08	708	220.71	31.19	561,776	20,330,013.14	36.19
Storage Structure									
'Debignits'	59,931	3,959.76	6.61	85,754	6,942.87	8.10	534,605	4,073,819.47	7.62
'Gotteras'	45,980	4,195.37	9.12	48,957	4,537.60	9.27	1,471,111	17,577,944.00	11.95
'Gudguads'	223,708	6,828.88	3.05	233,430	7,384.89	3.16	5,948,288	25,182,124.56	4.23
Modern Storages	126	61.32	48.69	126	61.32	48.69	*	*	*

ANNEX TABLE 8.12:- Standard Errors and Coefficient of Variation For the Number of Holders Reporting, Quantity Reported and Total Value, for Private Holdings, Bale Zone.

Implements, Equipment, Farm animals and Storage facilities	Number of Holders			Number of Implements, Equipment, Farm animals and Storages			Total Value		
	Reporting	S.E	C.V	Reported	S.E	C.V	(Birr)	S.E	C.V
Used for Clearing Land									
Axes	187,996	2,976.76	1.58	262,036	5,791.90	2.21	2,481,997	6,418,391.48	2.59
'Gejeras'	129,713	3,192.07	2.46	146,824	3,763.14	2.56	1,866,032	5,555,283.32	2.98
Shovels	55,446	1,974.24	3.56	61,127	2,327.28	3.81	746,660	3,947,182.43	5.29
Used for Cultivation									
Hoes	77,222	2,396.31	3.10	86,043	3,061.01	3.56	636,606	2,499,268.13	3.93
'Mekeskeshas'	8,660	1,135.34	13.11	9,871	1,335.27	13.53	79,671	1,321,946.99	16.59
Pick Axes	44,784	2,350.11	5.25	61,644	3,700.81	6.00	374,584	2,145,006.51	5.73
Tractors	-	-	-	-	-	-	-	-	-
Parts for traditional Plough									
'Degers'	172,432	2,783.97	1.61	277,356	6,012.53	2.17	717,984	2,341,664.16	3.26
'Erfes' (Handle)	169,034	2,715.64	1.61	244,319	4,953.63	2.03	365,526	1,109,388.86	3.04
Plough-Beams.	172,712	2,802.77	1.62	256,510	5,070.79	1.98	2,375,692	7,166,568.38	3.02
Plough -Tips (Metal)	169,255	2,740.87	1.62	208,064	3,862.47	1.86	3,061,048	8,003,705.74	2.61
'Wegel' -Tips	170,334	2,753.55	1.62	205,817	4,089.02	1.99	835,149	1,755,665.77	2.10
Yokes	172,594	2,751.73	1.59	209,062	3,716.04	1.78	1,420,070	3,470,941.19	2.44
Used for Harvesting									
Sickles	193,360	2,778.80	1.44	257,839	4,242.01	1.65	3,116,405	7,092,819.27	2.28
Used for Threshing									
Hay-Forks (Metal)	27,943	1,527.02	5.46	32,277	1,888.05	5.85	446,140	2,717,266.08	6.09
Hay-Forks (Wood)	83,652	2,234.21	2.67	104,949	3,082.13	2.94	417,495	1,376,623.89	3.30
Threshing Sticks	34,519	2,190.34	6.35	51,782	4,009.59	7.74	58,797	539,702.58	9.18
Winnowers (Metal)	601	163.43	27.18	639	171.57	26.85	3,518	95,447.88	27.13
Winnowers (Wood)	70,693	1,817.77	2.57	75,232	2,055.41	2.73	515,971	1,817,841.74	3.52
Other Farm Equipment									
Carts (Hauling)	3,802	895.76	23.56	4,375	1,055.12	24.12	260,690	9,740,543.24	37.36
Sprayers (Hand Operated)	4,548	463.63	10.19	4,724	480.26	10.17	1,294,342	15,387,522.66	11.89
Sprayers (Power Operated)	-	-	-	-	-	-	-	-	-
Tying Tools	-	-	-	-	-	-	-	-	-
Wheelbarrows	399	103.12	25.83	428	113.80	26.60	14,663	469,930.53	32.05
Animals Used for Ploughing									
Asses	460	147.34	32.02	565	171.15	30.30	432,692	18,565,750.72	42.91
Camels	*	*	*	*	*	*	*	*	*
Horses	-	-	-	-	-	-	-	-	-
Mules	-	-	-	-	-	-	-	-	-
Oxen	154,639	2,582.91	1.67	302,337	5,985.00	1.98	151,191,018	325,296,102.01	2.15
AnimalsUsed for Threshing or Transportation									
Asses	87,760	2,241.15	2.55	110,640	3,098.72	2.80	29,115,638	85,785,584.30	2.95
Camels	3,433	365.17	10.64	3,961	440.24	11.11	2,758,559	30,633,977.53	11.11
Cattle	156,351	2,635.80	1.69	366,854	8,610.40	2.35	172,440,396	403,260,284.72	2.34
Horses	37,265	1,994.22	5.35	53,954	3,311.15	6.14	19,837,173	117,162,405.95	5.91
Mules	9,964	681.97	6.84	10,285	694.86	6.76	9,027,297	76,182,588.91	8.44
Storage Structure									
'Debignits'	34,697	1,751.83	5.05	73,251	4,217.89	5.76	319,036	2,021,407.31	6.34
'Gotteras'	119,154	3,090.30	2.59	188,559	6,303.27	3.34	3,430,423	15,759,901.64	4.59
'Gudguads'	20,908	1,881.61	9.00	24,695	2,653.71	10.75	119,018	1,564,740.67	13.15
Modern Storages	539	105.67	19.62	672	171.38	25.52	*	*	*

ANNEX TABLE 8.13:- Standard Errors and Coefficient of Variation For the Number of Holders Reporting, Quantity Reported and Total Value, for Private Holdings, Borena Zone.

Implements, Equipment, Farm animals and Storage facilities	Number of Holders			Number of Implements, Equipment, Farm animals and Storages			Total Value		
	Reporting	S.E	C.V	Reported	S.E	C.V	(Birr)	S.E	C.V
Used for Clearing Land									
Axes	208,098	6,535.80	3.14	270,062	9,468.16	3.51	2,588,848	11,289,265.51	4.36
'Gejeras'	193,443	9,230.86	4.77	322,714	18,896.85	5.86	2,925,680	15,380,166.28	5.26
Shovels	66,541	3,972.22	5.97	73,413	5,236.90	7.13	873,618	6,125,886.62	7.01
Used for Cultivation									
Hoes	82,909	8,974.92	10.83	116,876	15,413.72	13.19	1,054,016	13,886,973.69	13.18
'Mekeskeshas'	5,523	1,627.88	29.48	8,721	3,329.75	38.18	55,511	1,782,015.86	32.10
Pick Axes	115,814	9,510.70	8.21	154,054	13,060.29	8.48	1,448,632	10,661,416.77	7.36
Tractors	-	-	-	-	-	-	-	-	-
Parts for traditional Plough									
'Degers'	96,565	5,462.96	5.66	171,761	14,722.26	8.57	421,496	2,589,549.47	6.14
'Erfes' (Handle)	95,060	5,327.29	5.60	129,324	9,505.91	7.35	220,140	1,448,632.91	6.58
Plough-Beams.	96,610	5,442.32	5.63	119,574	7,418.87	6.20	909,942	5,001,110.96	5.50
Plough -Tips (Metal)	96,750	5,552.74	5.74	115,191	7,285.87	6.33	2,011,200	13,588,806.50	6.76
'Wegel' -Tips	97,206	5,567.74	5.73	117,380	7,720.06	6.58	588,714	3,723,740.76	6.33
Yokes	96,977	5,512.70	5.68	117,986	7,365.58	6.24	735,166	4,451,515.33	6.06
Used for Harvesting									
Sickles	145,900	6,992.05	4.79	189,696	9,953.14	5.25	1,648,012	8,565,047.14	5.20
Used for Threshing									
Hay-Forks (Metal)	269	87.34	32.48	430	145.04	33.73	2,449	99,069.59	40.46
Hay-Forks (Wood)	14,539	1,496.67	10.29	30,661	3,642.93	11.88	68,056	844,280.75	12.41
Threshing Sticks	35,659	3,803.00	10.66	269,545	52,165.44	19.35	153,770	1,978,521.28	12.87
Winnowers (Metal)	*	*	*	*	*	*	*	*	*
Winnowers (Wood)	7,559	1,076.07	14.24	10,340	1,544.17	14.93	49,937	979,320.50	19.61
Other Farm Equipment									
Carts (Hauling)	*	*	*	*	*	*	*	*	*
Sprayers (Hand Operated)	1,443	303.53	21.04	1,773	404.37	22.80	*	*	*
Sprayers (Power Operated)	-	-	-	-	-	-	-	-	-
Tying Tools	-	-	-	-	-	-	-	-	-
Wheelbarrows	1,028	361.49	35.16	1,042	362.57	34.78	60,786	2,680,053.94	44.09
Animals Used for Ploughing									
Asses	*	*	*	*	*	*	*	*	*
Camels	*	*	*	*	*	*	*	*	*
Horses	-	-	-	-	-	-	-	-	-
Mules	-	-	-	-	-	-	-	-	-
Oxen	89,608	5,344.45	5.96	182,580	12,161.67	6.66	100,496,703	729,186,192.79	7.26
AnimalsUsed for Threshing or Transportation									
Asses	40,465	3,622.58	8.95	53,275	5,777.28	10.84	18,387,324	222,492,123.70	12.10
Camels	3,964	456.36	11.51	5,644	718.57	12.73	4,577,669	56,564,533.37	12.36
Cattle	84,635	5,337.38	6.31	204,792	18,830.10	9.19	108,114,760	940,674,004.15	8.70
Horses	45,239	5,326.16	11.77	64,535	7,295.38	11.30	23,354,265	253,096,469.07	10.84
Mules	7,299	883.84	12.11	7,651	917.15	11.99	6,582,756	82,343,493.36	12.51
Storage Structure									
'Debignits'	*	*	*	*	*	*	89,843	3,691,643.64	41.09
'Gotteras'	97,171	6,255.03	6.44	110,372	7,013.56	6.35	4,787,166	33,683,280.92	7.04
'Gudguads'	5,425	1,784.93	32.90	6,355	1,956.91	30.79	58,510	2,019,469.53	34.51
Modern Storages	1,590	444.98	27.99	1,710	466.56	27.29	*	*	*

APPENDIXES

APPENDI X I - Estimation Procedures of Totals , Ratios and Sampling Errors

APPENDIX II - Number of EAs and Agricultural Households Sampled and Covered by Wereda

APPENDIX III - Census Questionnaires

APPENDIX I:

Estimation Procedures of Totals, Ratios and Sampling Errors

The following formulas were used to estimate totals, proportions and ratios of farm implements in a stratum (Wereda).

1. Estimation of Totals of Farm Implements:

$$\hat{Y}_h = \sum_{i=1}^{n_h} W_{hi} y_{hi}$$

in which, $W_{hi} = \frac{M_h H_{hi}}{n_h m_{hi} h_{hi}}$ is the basic weight

Where:

h represents the stratum

n_h is the total number of sample EAs successfully covered in the h^{th} stratum.

M_h is the measure of size of the h^{th} stratum as obtained from the sampling frame.

m_{hi} is the measure of size of the i^{th} sample EA in the h^{th} stratum obtained from the sampling frame.

H_{hi} is the total number of agricultural households of the i^{th} sample EA in the h^{th} stratum.

h_{hi} is number of sample agricultural households successfully covered in the i^{th} sample EA in the h^{th} stratum.

$\hat{y}_{hi}$ is the sample total of values specific variable in the i^{th} EA in the h^{th} stratum .

$\hat{Y}_h$ is estimate of total of specific variable in the h^{th} stratum.

2. Estimate of Ratios in Stratum h is given by:

$$\hat{R}_h = \frac{\hat{Y}_h}{\hat{X}_h}$$

3. Sampling Variance of Estimates:

Sampling variance of estimate of stratum totals of specific variables are estimated by the following formulas, respectively.

$$Var(\hat{Y}_h)=(1-f_h)\frac{n_h}{n_h-1}\sum_{i=1}^{n_h}\left(\hat{y}_{hi}-\frac{\hat{Y}_h}{n_h}\right)^2+f_h\sum_{i=1}^{n_h}(1-f_{hi})\left(\frac{h_{hi}}{h_{hi}-1}\right)\sum_{j=1}^{h_{hi}}\left(\hat{y}_{hij}-\frac{\hat{y}_{hi}}{h_{hi}}\right)^2$$

$$Var(\hat{R}_h)=\frac{1}{\hat{X}_h^2}[Var(\hat{Y}_h)+\hat{R}_h^2 Var(\hat{X}_h)-2\hat{R}_h Cov(\hat{Y}_h,\hat{X}_h)]$$

Where, $Cov(\hat{Y}_h,\hat{X}_h)=(1-f_h)\frac{n_h}{n_h-1}\sum_{i=1}^{n_h}(\hat{y}_{hi}-\frac{\hat{Y}_h}{n_h})(\hat{x}_{hi}-\frac{\hat{X}_h}{n_h})$

$$+f_h\sum_{i=1}^{n_h}(1-f_{hi})\left(\frac{h_{hi}}{h_{hi}-1}\right)\sum_{j=1}^{h_{hi}}\left(\hat{y}_{hij}-\frac{\hat{y}_{hi}}{h_{hi}}\right)\left(\hat{x}_{hij}-\frac{x_{hi}}{h_{hi}}\right)$$

f_h = average first stage probability of selection of EAs within Wereda h.

$f_{hi}=\frac{h_{hi}}{H_{hi}}$ = average second stage probability of selection within the i^{th} sample EA in Wereda h.

Since all strata are independent, the total variance at zonal and regional is computed by aggregating the result obtained at wereda level, i.e.

$$Var(\hat{Y})=\sum_{h}^{L}Var(\hat{Y}_h)$$

Where, L is the number of strata (Weredas).

In estimating the sampling variance by the above formula, selection of EAs within a stratum is assumed to be with replacement. By so doing the variance estimate may be slightly over estimated but it greatly simplifies the estimation procedure.

4. Coefficient of Variation (CV) of Estimates:

Coefficient of Variation (CV), in percentage, of estimate of stratum totals and ratios for a specific characteristics are given respectively by:

$$CV(\hat{Y}_h)=\frac{\sqrt{Var(\hat{Y}_h)}}{\hat{Y}_h}*100$$

$$CV(\hat{R}_h) = \frac{\sqrt{Var(\hat{R}_h)}}{\hat{R}_h} * 100$$

5. Ninety-five percent confidence interval (CI) of stratum total is:

$$\hat{Y}_h \pm 1.96 * S.E(\hat{Y}_h)$$

Where, $S.E(\hat{Y}_h) = \sqrt{Var(\hat{Y}_h)}$

APPENDIX II:

NUMBER OF EA's AND AGRICULTURAL HOUSEHOLDS SAMPLED AND COVERED BY WEREDA (**RURAL**)

ZONE	WEREDA	EAs		HOUSEHOLDS	
		SAMPLED	COVERED	SAMPLED	COVERED
WEST WELLEGA	MANA SIBU	25	25	750	750
	NEJO	25	25	750	743
	GIMBI	25	25	750	750
	LALO ASABI	25	25	750	748
	BOJI	25	25	750	750
	AYIRA GULISO	25	25	750	750
	JARSO	25	25	750	750
	GIDAMI	25	24	750	720
	JIMMA HORO	25	25	750	750
	HAWA WELEL	25	25	750	750
	GAWO DALE	25	25	750	750
	DALE SADI	25	25	750	749
	YUBDO	25	25	750	750
	GANJI	25	25	750	749
	HARU	25	25	750	750
	NOLE KABA	25	25	750	749
	LALO KILE	25	25	750	749
	SAYO	25	25	750	749
	ANFILO	25	25	750	750
	BEGI	25	25	750	750
	ZONE TOTAL	**500**	**499**	**15000**	**14956**
EAST WELLEGA	LIMU	25	25	750	746
	IBANTU	25	25	750	750
	GIDA KIREMU	25	25	750	748
	JARTE	25	25	750	750
	AMURU	25	25	750	750
	ABE DONGORO	25	25	750	749

(CONT.)

ZONE	WEREDA	EAs		HOUSEHOLDS	
		SAMPLED	COVERED	SAMPLED	COVERED
EAST WELLEGA	JIMMA HORO	25	25	750	750
	ABAY CHOMEN	20	20	600	600
	GUDURU	25	25	750	750
	JIMMA RARE	25	25	750	749
	BILA SAYO	25	25	750	750
	SIBU SIRE	25	25	750	749
	GUTO WAYU	25	25	750	745
	SASIGA	25	25	750	750
	LEKA DULECHA	25	25	750	749
	DIGA	25	25	750	749
	JIMMA ARJO	25	25	750	748
	NUNU KUMBA	25	25	750	749
	WAMA BONEYA	25	25	750	750
	ZONE TOTAL	**470**	**470**	**14100**	**14081**
ILLUBABOR	DARIMU	25	25	750	749
	SUPENA SODO	25	25	750	750
	CHORA	25	25	750	750
	DEGA	25	25	750	748
	BEDELE	25	25	750	749
	GECHI	25	24	750	720
	BORECHA	25	25	750	750
	DEDESA	25	25	750	750
	YAYU	25	25	750	750
	METU	25	25	750	750
	ALE	25	25	750	750
	BURE	25	25	750	749
	NONO	23	23	690	678
	ZONE TOTAL	**323**	**322**	**9690**	**9643**
JIMMA	LIMU SEKA	25	25	750	750
	LIMU KOSA	25	25	750	747
	SOKORU	25	25	750	747

(CONT.)

ZONE	WEREDA	EAs		HOUSEHOLDS	
		SAMPLED	COVERED	SAMPLED	COVERED
JIMMA	TIRO AFETA	25	25	750	750
	KERSA	25	25	750	750
	MANA	25	25	750	750
	GOMMA	25	25	750	749
	GERA	25	25	750	750
	SEKA CHEKORSA	25	25	750	750
	DEDO	25	25	750	750
	OMO NADA	25	25	750	750
	SIGMO	25	25	750	749
	SETEMA	25	25	750	749
	ZONE TOTAL	**325**	**325**	**9750**	**9741**
WEST SHEWA	GINDE BERET	25	25	750	750
	JELDU	25	25	750	750
	AMBO	25	25	750	748
	CHELIYA	25	25	750	750
	BAKO TIBE	25	25	750	750
	DANO	25	25	750	749
	NONO	25	25	750	750
	TIKUR INCHINI	25	25	750	748
	AMAYA	25	25	750	750
	WONCHI	25	25	750	750
	DENDI	25	25	750	750
	EJERIE	25	25	750	749
	ADA'A BERGA	25	25	750	748
	WOLMARA	25	25	750	750
	ALEM GENA	25	25	750	746
	KERSANA KONDALTITI	25	25	750	750
	TOLE	25	25	750	749
	ELU	25	25	750	748
	DAWO	25	25	750	750
	WALISONA GORO	25	25	750	750

(CONT.)

ZONE	WEREDA	EAs		HOUSEHOLDS	
		SAMPLED	COVERED	SAMPLED	COVERED
WEST	BECHO	25	25	750	750
SHEWA	KOKIR	25	25	750	750
	META ROBI	25	25	750	750
	ZONE TOTAL	**575**	**575**	**17250**	**17235**
NORTH	WARA JARSO	25	25	750	749
SHEWA	DERA	25	25	750	749
	HIDABU ABOTE	25	25	750	750
	KUYU	25	25	750	748
	DEGEM	25	25	750	750
	GERAR JARSO	25	25	750	749
	YAYA GULELENA DEBRE LIBANOS	25	25	750	749
	WUCHALENA JIDO	25	25	750	750
	ABICHUNA GNA'A	25	25	750	750
	KEMBIBIT	25	25	750	746
	BEREHNA ALELTU	25	25	750	750
	MULONA SULULTA	25	25	750	750
	ZONE TOTAL	**300**	**300**	**9000**	**8990**
EAST	FENTALE	25	25	750	747
SHEWA	BOSET	25	25	750	750
	ADAMA	25	25	750	748
	LOME	25	25	750	750
	GIMBICHU	25	25	750	750
	ADA'A LIBEN CHUKALA	25	25	750	749
	DUGDA BORA	25	25	750	749
	ADAMI TULLU JIDO KOMBOLCHA	25	25	750	749
	ARSI NEGELE	25	25	750	749
	SHASHEMENE	25	25	750	749
	SERARO	25	25	750	750
	AKAKI	25	25	750	750
	ZONE TOTAL	**300**	**300**	**9000**	**8990**

(CONT.)

ZONE	WEREDA	EAs		HOUSEHOLDS	
		SAMPLED	COVERED	SAMPLED	COVERED
ARSSI	MERTI	25	25	750	750
	ASEKO	25	25	750	749
	GOLOLCHA	25	25	750	748
	JEJU	25	25	750	749
	DODOTANA SIRE	25	25	750	750
	ZEWAY DUGDA	25	25	750	720
	HITOSA	25	25	750	750
	SUDE	25	25	750	749
	CHOLE	25	25	750	746
	AMIGNA	25	25	750	749
	SERU	25	25	750	750
	ROBE	25	25	750	749
	TENA	25	24	750	719
	SHERKA	25	25	750	749
	DIGELUNA TIJO	25	25	750	749
	TIYO	25	25	750	749
	MUNESA	25	25	750	749
	BEKOJI	25	25	750	748
	GEDEB	25	25	750	750
	KOFELE	25	25	750	749
	ZONE TOTAL	**500**	**499**	**15000**	**14921**
WEST HARERGE	MIESO	25	23	750	688
	DOBA	25	25	750	749
	TULO	25	25	750	750
	MESELA	25	25	750	748
	CHIRO	25	25	750	750
	GOBA KORICHA	25	25	750	750
	ANCHAR	25	25	750	750
	HABRO	25	25	750	740
	DAROLEBU	25	25	750	750

(CONT.)

ZONE	WEREDA	EAs		HOUSEHOLDS	
		SAMPLED	COVERED	SAMPLED	COVERED
WEST HARERGE	BOKE	25	25	750	747
	KUNI	25	25	750	750
	ZONE TOTAL	**275**	**273**	**8250**	**8172**
EAST HARERGE	KOMBOLCHA	25	25	750	748
	JARSO	25	25	750	748
	GURSUM	25	25	750	749
	BABILE	25	25	750	750
	FEDIS	25	25	750	750
	HARO MAYA	25	23	750	688
	KURFA CHELE	25	25	750	750
	KERSA	25	25	750	750
	META	25	25	750	750
	GORO GUTU	25	25	750	750
	DEDER	25	25	750	748
	MALKA BALO	25	25	750	749
	BEDENO	25	24	750	720
	GIRAWA	25	24	750	720
	GOLA ODA	25	25	750	750
	ZONE TOTAL	**375**	**371**	**11250**	**11120**
BALE	KOKOSA	25	25	750	749
	DODOLA	25	25	750	750
	ADABA	25	25	750	749
	AGARFA	25	25	750	750
	GASERA	25	25	750	748
	GOLOLCHA	25	25	750	750
	LEGAHIDA	25	25	750	749
	GINIR	25	25	750	738
	SINANANA DINSHO	25	25	750	749
	GOBA	25	25	750	750
	MENA- ANGETU	25	25	750	749
	NENSEBO	25	25	750	748

(CONT.)

ZONE	WEREDA	EAs		HOUSEHOLDS	
		SAMPLED	COVERED	SAMPLED	COVERED
BALE	MEDA WELABU	25	24	750	716
	BERBERE	25	25	750	749
	GURA DAMOLE	25	21	750	630
	GORO	25	25	750	748
	RAYTU	25	25	750	742
	SEWEYNA	25	25	750	748
	ZONE TOTAL	**450**	**445**	**13500**	**13312**
BORENA	URAGA	25	25	750	749
	BORE	25	25	750	749
	ADOLANA WADERA	25	25	750	741
	ODO SHAKISO	25	25	750	747
	HAGERE MARIAM	25	25	750	749
	YABELO	25	25	750	750
	ARERO	25	25	750	747
	LIBEN	25	24	750	714
	MOYALE	19	19	570	570
	DIRE	25	25	750	748
	TELTELE	25	25	750	749
	GELANA ABAYA	25	24	750	718
	ZONE TOTAL	**294**	**292**	**8820**	**8731**
	REGION TOTAL	**4687**	**4671**	**140610**	**139892**

NUMBER OF EA's AND AGRICULTURAL HOUSEHOLDS SAMPLED AND COVERED BY WEREDA (**URBAN**)

ZONE	WEREDA	EAs		HOUSEHOLDS	
		SAMPLED	COVERED	SAMPLED	COVERED
WEST WELLEGA	MANA SIBU	13	13	384	384
	NEJO	17	17	510	509
	GIMBI	21	21	617	617
	LALO ASABI	6	6	180	180
	BOJI	5	5	150	150
	AYIRA GULISO	12	12	360	360
	JARSO	5	5	150	149
	GIDAMI	4	4	120	120
	JIMMA HORO	2	2	60	60
	HAWA WELEL	4	4	120	120
	GAWO DALE	11	11	330	330
	DALE SADI	4	4	120	120
	YUBDO	2	2	60	60
	GANJI	3	3	90	90
	HARU	3	3	90	90
	NOLE KABA	5	5	150	150
	LALO KILE	2	2	60	60
	SAYO	20	20	600	600
	ANFILO	7	7	210	210
	BEGI	10	10	300	300
	ZONE TOTAL	**156**	**156**	**4661**	**4659**
EAST WELLEGA	LIMU	3	3	90	90
	IBANTU	2	2	60	60
	GIDA KIREMU	13	13	390	390
	JARTE	2	2	60	60
	AMURU	5	5	150	150
	ABE DONGORO	2	2	60	60
	JIMMA HORO	19	19	570	570

(CONT.)

ZONE	WEREDA	Eas		HOUSEHOLDS	
		SAMPLED	COVERED	SAMPLED	COVERED
EAST WELLEGA	ABAY CHOMEN	11	11	330	329
	GUDURU	6	6	180	180
	JIMMA RARE	5	5	150	150
	BILA SAYO	9	9	270	270
	SIBU SIRE	9	9	270	270
	GUTO WAYU	25	25	750	750
	SASIGA	4	4	120	120
	LEKA DULECHA	2	2	60	60
	DIGA	5	5	150	150
	JIMMA ARJO	7	7	210	210
	NUNU KUMBA	2	2	60	60
	WAMA BONEYA	3	3	90	90
	ZONE TOTAL	**134**	**134**	**4020**	**4019**
ILLUBABOR	DARIMU	3	3	90	90
	SUPENA SODO	6	6	180	180
	CHORA	6	6	180	180
	DEGA	4	4	120	120
	BEDELE	16	16	469	469
	GECHI	4	4	120	120
	BORECHA	1	1	30	30
	DEDESA	5	5	150	150
	YAYU	8	8	240	240
	METU	21	21	583	583
	ALE	12	12	354	354
	BURE	9	9	270	270
	NONO	2	2	60	60
	ZONE TOTAL	**97**	**97**	**2846**	**2846**
JIMMA	LIMU SEKA	4	4	120	120
	LIMU KOSA	14	14	420	420
	SOKORU	15	15	450	449

(CONT.)

ZONE	WEREDA	EAs		HOUSEHOLDS	
		SAMPLED	COVERED	SAMPLED	COVERED
JIMMA	TIRO AFETA	2	2	60	60
	KERSA	25	25	737	737
	MANA	4	4	120	120
	GOMMA	25	25	732	732
	GERA	6	6	180	180
	SEKA CHEKORSA	10	10	300	300
	DEDO	4	4	120	120
	OMO NADA	8	8	240	240
	SIGMO	3	3	90	90
	SETEMA	3	3	90	90
	ZONE TOTAL	**123**	**123**	**3659**	**3658**
WEST SHEWA	GINDE BERET	6	6	180	180
	JELDU	11	11	330	330
	AMBO	25	25	746	746
	CHELIYA	18	18	540	540
	BAKO TIBE	20	20	600	600
	DANO	2	2	60	59
	NONO	4	4	120	120
	TIKUR INCHINI	3	3	90	90
	AMAYA	4	4	120	120
	WONCHI	1	1	30	30
	DENDI	23	23	682	682
	EJERIE	10	10	300	300
	ADA'A BERGA	9	9	270	270
	WOLMARA	25	25	718	718
	ALEM GENA	22	22	598	598
	KERSANA KONDALTITI	2	2	60	60
	TOLE	2	2	60	60
	ELU	6	6	180	180
	DAWO	2	2	60	60
	WALISONA GORO	25	25	738	738

(CONT.)

ZONE	WEREDA	EAs		HOUSEHOLDS	
		SAMPLED	COVERED	SAMPLED	COVERED
WEST	BECHO	9	9	270	270
SHEWA	KOKIR	2	2	60	60
	META ROBI	2	2	60	60
	ZONE TOTAL	**233**	**233**	**6872**	**6871**
NORTH	WARA JARSO	11	11	330	330
SHEWA	DERA	5	5	150	150
	HIDABU ABOTE	3	3	90	90
	KUYU	14	14	416	416
	DEGEM	4	4	120	120
	GERAR JARSO	25	25	736	736
	YAYA GULELENA DEBRE LIBANOS	7	7	198	197
	WUCHALENA JIDO	5	5	150	150
	ABICHUNA GNA'A	3	3	90	90
	KEMBIBIT	6	6	180	180
	BEREHNA ALELTU	14	14	420	420
	MULONA SULULTA	11	11	330	330
	ZONE TOTAL	**108**	**108**	**3210**	**3209**
EAST	FENTALE	13	13	381	381
SHEWA	BOSET	23	23	690	689
	ADAMA	25	25	743	742
	LOME	25	25	706	704
	GIMBICHU	4	4	120	120
	ADA'A LIBEN CHUKALA	25	25	644	643
	DUGDA BORA	25	25	747	747
	ADAMI TULLU JIDO KOMBOLCHA	25	25	750	747
	ARSI NEGELE	21	21	630	630
	SHASHEMENE	25	25	725	724
	SERARO	7	7	210	210
	ZONE TOTAL	**218**	**218**	**6346**	**6337**

(CONT.)

ZONE	WEREDA	EAs		HOUSEHOLDS	
		SAMPLED	COVERED	SAMPLED	COVERED
ARSSI	MERTI	15	15	450	449
	ASEKO	2	2	60	60
	GOLOLCHA	4	4	120	120
	JEJU	6	6	180	179
	DODOTANA SIRE	22	22	660	660
	ZEWAY DUGDA	3	3	90	90
	HITOSA	25	25	742	742
	SUDE	3	3	90	89
	CHOLE	7	7	210	210
	AMIGNA	5	5	150	147
	SERU	7	7	210	210
	ROBE	19	19	565	565
	TENA	15	15	450	450
	SHERKA	11	11	330	330
	DIGELUNA TIJO	12	12	360	360
	TIYO	24	23	720	689
	MUNESA	13	13	390	389
	BEKOJI	25	25	741	741
	GEDEB	12	12	360	359
	KOFELE	13	13	390	390
	ZONE TOTAL	**242**	**242**	**7268**	**7229**
WEST HARERGHE	MIESO	17	17	510	510
	DOBA	2	2	60	60
	TULO	11	11	315	315
	MESELA	5	5	150	150
	CHIRO	17	17	442	440
	GOBA KORICHA	2	2	60	60
	ANCHAR	4	4	120	120
	HABRO	20	20	584	583
	DAROLEBU	9	9	270	270

(CONT.)

ZONE	WEREDA	EAs		HOUSEHOLDS	
		SAMPLED	COVERED	SAMPLED	COVERED
	ZONE TOTAL	**100**	**100**	**2895**	**2892**
EAST HARERGHE	KOMBOLCHA	7	7	203	203
	JARSO	2	2	60	60
	GURSUM	10	9	300	270
	BABILE	10	10	288	288
	FEDIS	3	3	90	90
	HARO MAYA	16	16	474	474
	KURFA CHELE	4	4	120	120
	KERSA	11	11	330	330
	META	7	7	210	210
	GORO GUTU	5	5	150	150
	DEDER	8	8	240	238
	MALKA BALO	9	9	270	270
	BEDENO	7	7	210	209
	GIRAWA	7	6	210	180
	GOLA ODA	3	3	90	90
	ZONE TOTAL	**107**	**107**	**3245**	**3182**
BALE	KOKOSA	3	3	90	90
	DODOLA	21	21	630	630
	ADABA	11	11	330	330
	AGARFA	10	10	300	300
	GASERA	4	4	120	120
	GOLOLCHA	5	5	150	150
	LEGAHIDA	1	1	30	30
	GINIR	21	21	626	625
	SINANANA DINSHO	24	24	717	716
	GOBA	25	25	750	749
	MENA- ANGETU	11	11	320	318
	NENSEBO	4	4	120	120
	MEDA WELABU	3	3	90	90

(CONT.)

ZONE	WEREDA	EAs		HOUSEHOLDS	
		SAMPLED	COVERED	SAMPLED	COVERED
BALE	BERBERE	2	2	60	60
	GORO	6	6	180	180
	RAYTU	1	1	30	30
	SEWEYNA	1	1	30	30
	ZONE TOTAL	**153**	**153**	**4573**	**4568**
BORENA	URAGA	4	4	120	120
	BORE	10	10	300	300
	ADOLANA WADERA	25	25	734	734
	ODO SHAKISO	13	13	372	372
	HAGERE MARIAM	14	14	404	404
	YABELO	12	12	306	306
	ARERO	3	3	90	90
	LIBEN	22	22	534	532
	MOYALE	5	5	79	79
	DIRE	10	10	299	298
	TELTELE	4	4	120	120
	ZONE TOTAL	**122**	**122**	**3358**	**3355**
	REGION TOTAL	**1796**	**1793**	**52,953**	**52,825**

APPENDIX III

Rural

FORM EASE -R- 94/2

Ethiopian Agricultural Sample Enmeration- Socio Economic characteristics of Population in Agricultural Households - 2001 /2002 (1994 E.C.)

PART I- IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7
Region	Zone	Wereda		Farmers' Association	Enumeration Area	Household ID Number

PART II - DEMOGRAPHIC CHARACTERISTICS OF EACH MEMBER OF THE AGRICULTURAL HOUSEHOLD (STARTING WITH THE HEAD OF THE HOUSEHOLD)

1	2	3	4	5	6	7	8	9	10	11	12	13	14
								5 YEARS AND ABOVE	10 YEARS AND ABOVE				
SR. NO.	FULL NAME	IS MEMEBER OF THE HOUSEHOLD A HOLDER Yes =1 No =2	If Column 3, Code 1 HOLDER ID	TYPE OF HOLDING CROP =1 LIVESTOCK =2 BOTH =3	SEX MALE = 1 FEMALE = 2	RELATION TO THE HEAD OF HOUSEHOLD	AGE (IN COMP-LETED YEARS)	EDUCATIONAL ATTAINMENT (Highest Grade Completed)	MARITAL STATUS NEVER MARRIED = 1 CURRENTLY MARRIED= 2 DIVORCED = 3 WIDOWED = 4	WERE YOU ENGAGED IN ECONOMIC ACTIVITY DURING THE LAST 12 MONTHS? Yes =1 No =2	IF NOT ENGAGED (IN COL. 11 COD2 ECOMOMIC ACTIVITY WHAT WAS THE MAIN REASON? STUDENT =1 HOME MAKERS =2 HANDICAP =3 OLD AGE/PENSION =4 OTHERS =5	IF ENGAGED IN ECONOMIC ACTIVITY WHAT WAS THE MAJOR ACTIVITY? FULLY AGRICULTURE = 1 PARTLY AGRICULTURE = 2 Fully in others =3	IF IN COLUMN 13, CODE 1 OR 2, EMPLOYMENT STATUS EMPLOYER = 1 OWN-ACCOUNT WORKER = 2 EMPLOYEE = 3 UNPAID FAMILY WORKER = 4 OTHERS =5
			code			Code		Code	Code	Code	Code	Code	Code
0	1												
0	2												
0	3												
0	4												
0	5												
0	6												
0	7												
0	8												
0	9												
1	0												

Head	= 1
Spouse	= 2
Son/Daughter of head & spouse	= 3
Son/Daughter of head	= 4
Son/Daughter of spouse	= 5
Mother/Father of head/spouse	= 6
Sister/Brother of head/spouse	= 7
Other relatives	= 8
Non relatives	= 9

Illiterate	= 1
Informal Education	= 2
Grade 1 Completed	= 3
Grade 2 Completed	= 4
Grade 3 Completed	= 5
Grade 4 Completed	= 6
Grade 5 Completed	= 7
Grade 6 Completed	= 8
Grade 7 Completed	= 9
Grade 8 Completed	= 10
Grade 9 Completed	= 11
Grade 10 Completed	= 12
Grade 11 Completed	= 13
Grade 12 Completed	= 14
Grade 12 +	= 15

Form EASE-94/3A

RURAL

Ethiopian Agricultural Sample Enumeration

List of Fields Under Temporary Crops (Including Vegetables and Root Crops) and Agricultural Practices (Mehere Season) - 2001/02 (1994 E.C.)

Part 1- IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11
Region	zone	Wereda	Farmers Association	Enumeratio Areas	Household Number		Holder Name	Age	Sex male →1 Female →2	Type of Holding Crop →1 Livestack →2 Both →3

Part II - Area Under Temporary Crops and Agricultural Practice

1	2	3	4	5	6
Sr. No.	Questions	Parcel No / Field No. / crop name code	Parcel No. / filed NO. / crop name code	Parcel No. / filed NO. / crop name code	Parcel No. / filed NO. / crop name code
01	Type of Holding Private → 1 Others → 3 Rnted /contract → 2				
02	Crop Area in local unit	Name / code / Area	Name / code / Area	Name / code / Area	Name / code / Area
03	Have the field been included in the extention Package program Yes → 1 No → 2				
04	Was the field Irrigated? Yes → 1 No → 2				
05	Variety of seeds used Improved → 1 Indignores → 2				
06	(For Cereals,Pulses and Oil seeds only) If indiginous seed was used, What was the total quantity	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram
07	(For Cereals,Pulses and Oil seeds only) If Improved seed was used, what was the total quantity	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram
08	(For Cereals,Pulses and Oil seeds only) If Improved seed was used what was the cost /price	Birr cent	Birr cent	Birr cent	Birr cent
09	Was the crop Damaged Yes →1 No → 2				
10	If yes, what was the major cause of damage	Reason code	Reason code	Reason code	Reason code
11	Percentage of damage				
12	Any control/protection measure taken for crop damage? Yes → 1 No → 2				
13	If yes, what Type of measure? Chemical → 1 Both → 3 Non chemical → 2				
14	If chemical Insecticide → 1 1&3 → 5 Herbicide → 2 2&3 → 6 Fungicide → 3 All → 7 1&2 → 4				
15	Was the field fertilized? Yes → 1 No → 2				
16	If fertilized what type ? Natural → 1 Bothe → 3 Chemical → 2				
17	One main reason for not using chemical fertilizer	Reason Code	Reason Code	Reason	Reason Code
18	If chemical fertilizer used 18.1 Type Urea → 1 Both → 3 Dap → 2				
	18.2 Quantity in K.g	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram
19	If natural fertilizer used mainly What type? Manure → 1 Both → 3 compost → 2 Others → 4 / If others specify/ →				

RURAL

Ethiopian Agricultural Sample Enumeration

Form EASE-94/3B

List of Fields Under Permanent Crops and their Agricultural Practices (Mehere Season) - 2001/02 (1994 E.C.)

Part 1 IDENTICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11
Region	Zone	Wereda	Farmers' Association	Enumeration Areas	Household Number	Holder Number	Holder's Name	Age	Sex: male → 1, Female → 2	Type of Holding: crop → 1, Livestock → 2, Both → 3

Part II - Area Under Permanent Crops and Agricultural Practice

		Question	3	4	5	6
			parcel No / Field No / Crop Name (code)	parcel No / Field No / Crop Name (code)	parcel No / Field No / Crop Name (code)	parcel No / Field No / Crop Name (code)
0	1	Type of Holding Private → 1 Others → 3 Rented/ contract → 2				
0	2	Crop Area in Local unit	Name / Area	Name / Code / Area	Name / Code / Area	Name / Code / Area
0	3	Has the field been included in the extention package program Yes → 1 No → 2				
0	4	Total number of trees in the field. (Excluding Coffe,Chat,Pineapple,Sugar-cane)	Quantity	Quantity	Quantity	Quantity
0	5	Number of trees of fruit bearing age (Excluding Coffe,Chat,Pineapple,Sugar-cane)	Quantity	Quantity	Quantity	Quantity
0	6	Was the field Irrigated Yes → 1 No → 2				
0	7	Variety of seeds used Improve → 1 Indiginous → 2				
0	8	Was the crop Damaged Yes → 1 No → 2				
0	9	If yes, what was the major cause of damage	Reason (code)	Reason (code)	Reason (code)	Reason (code)
1	0	Persontage of Damage				
1	1	Any control /proventina measure taken for crop Damage Yes → 1 No → 2				
1	2	Chemical → 1 Both → 3 Non chemical → 2				
1	3	If chemica Incectide → 1 1&3 → 5 Herbicid → 2 2&3 → 6 Fungicids → 3 All → 7 1&2 → 4				
1	4	Was the field fertilized Yes → 1 No → 2				
1	5	If fertilized what type? Natural → 1 Both → 3 Chemical → 2				
1	6	Reason for not using chemical fertilizer	Reason (Code)	Reason (Code)	Reason (Code)	Reason (Code)
1	7	If chemical (comercial) fertilizer used 17.1 Type Urea → 1 Both → 3 Dap → 2				
		17.2 Quantity in Kg.	Kg. Gram	Kg. am	Kg. Gram	Kg. Gram
1	8	If natural fertilizer used mainly what type? Manure → 1 Both → 3 Compost → 2 Others → 4 /If others specify/ →				

RURAL

Ethiopian Agricultural Sample Enumeration
List of Fields Under Mixed Crops and their Agricultural Practices
(Mehere Season) - 2001/02 (1994 E.C.)

Form EASE-94/3c

Part 1- IDENTIFICATION PARTICULARS

1 Region	2 Zone	3 Wereda	4 Farmers' Association	5 Enumeration Areas	6 Household Number	7 Holder Number	8 Holders' Name	9 Age	10 Sex (male → 1, Femal → 2)	11 Type of Holding (Crop → 1, Livestock → 2, Bothe → 3)

Part II - Area Under Mixed Crops and Agricultural Practice

		Questions	3 Parcel No. / Field No. — Crop Name / code	3 Corp Name / code	3 Crop Name / code	4 Parcel No. / Field No. — Corp Name / code	4 Corp Name / code	4 Corp Name / code
0	1	Type of Holding Private → 1 Others → 3 Rented/contract → 2						
0	2	Total mixed corp area in local unit	Name of Local Unit / code / Area			Name of Local Unit / code / Area		
0	3	Was the field been included in the extention pakage program Yes → 1 No → 2						
0	4	Area in percentag share for Each crop						
0	5	Number of trees for permanent crop (Excluding Coffee, Chat, Pinapple, Sugar-cane)	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity
0	6	Number of trees of fruit of permanent crop (Excluding Coffee, Chat, Pinapple, Sugar-cane)	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity
0	7	was the field Irrigated yes → 1 No → 2						
0	8	Variety of seeds used Improved → 1 Indiginous → 2						
0	9	If Indignous seed was used what was the quantity (for Cereals, Pulses & Oilseeds only)	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram
1	0	If Improved seed was used, what was the quantity (for Cereals, Pulses & Oilseeds only)	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram
1	1	If Improved seed was used what was the cost/price (for Cereals, Pulses & Oilseeds only)	Birr sent	Birr sent	Birr sent	Birr sent	Birr sent	Birr sent
1	2	was the crop Damaged Yes → 1 No → 2						
1	3	If, yes, what was the major cause of Damage	Reason Code	Reason Code	Reason Code	Reason Code	Reason Code	Reason Code
1	4	percentage of Damage						
1	5	Any control/ preventive measure Taken for crop damage → 1 → 2						
1	6	If yes, what type of measure Chemical → 1 Both → 3 Non-chemical → 2						
1	7	If chemical Insecticide Insecticide → 1 1&3 → 5 Herbicide → 2 2&3 → 6 Fungicide → 3 All → 7 1&2 → 4						
1	8	Was the field fertilized yes → 1 No → 2						
1	9	If fertilized what type? Natural → 1 Both → 3 Chemical → 2						
2	0	One main Reson for not using Chemical fertilizer	Reason Code			Reason Code		
2	1	If chemical fertilizer used 21.1 Type Urea → 1 Both → 3 Dap → 2						
		21.2 Quantity in kg.	Kg. Gram			Kg. Gram		
2	2	If natural fertilizer used mainly what type Manure → 1 Both → 3 Compost → 2 Others → 4 / If others specify/						

RURAL

Form EASE -94/3D

Ethiopian Agricultural Sample Enumeration
List of Fields Under Other Land Use (Fields not occupied by any type of Crop)
(Mehere Season) - 2001/02 (1994 E.C.)

part I- IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11
Region	Zone	Wereda	Farmer's Association	Enumeration Areas	Household Nubber	Holder Number	Holder's Name	Age	Sex male → 1 Female → 2	Type of Holding Crop → 1 Crop → 2 Crop → 3

Part II - Other Land UTILIZATION and Local Area Measurment units

1	2	3	4	5	6	7	8	9	10
sr. NO.	Parcel	Land Use	Type of Land use	code	Type of owner ship Private → 1 Rented/contrat → 2 Other → 3	code	Area in Local unit Local unit NAME	code	Area
01									
02									
03									
04									
05									
06									
07									
08									
09									
10									

From EASE 94/4

Rural

Ethiopian Agricultral Sample Enumeration
Assessment of Crop Conditions - 2001/02 (1994 E.C.)

NOTE:- This Form should be Filled Out For Mixed Crops According to their Type in Pure Stands

Part I - Identification Particulars

1	2	3	4	5	6
Region	Zone	Wereda	Farmers' Association	Enumeration Area	Crop Name

Part II - Assessment of Crop Conditions (For Meher Season)

1	2	3	4	5	6	7	8	9		10	11
					Crop Productivity Compared to Last Year						
Sr. No.	Name of Holder	Household ID Number	Holder ID Number	Number of Fields	Increase =1 Equal / No change =2 Decrease =3	If Increase Quantity in Percent	If Decrease			Change In Percent	Remarks
							Quantity In Percent	One Major Reason for Decrease	Code		
01											
02											
03											
04											
05											
06											
07											
08											
09											
10											
11											
12											
13											
14											
15											
16											
17											
18											

FORM EASE-94/5

Rural

Ethiopian Agricultural Sample Enumeration
Area under Crop Fields and Other Land Uses
(1994 E.C)

Part 1: Identification Particular

1	2	3	4	5	6	7	8
Kilil	Zone	Wereda	FA	EA	Household ID NO	Holder ID.No.	Name of Holder

9	10	11	12	13	14		15		16
Parcel No.	Field No.	The Field or other land used Field Under Temp/Veg/Root Crops → 1 Permanent → 2 Mixed → 3 Other land use → 4	SR. No.	Name of Crop or Type of Land use	If in col.11 code 1,2 or 3 Quantity of prod. In Local unit				Area in Percentage share for each Crop (If in Col. 11 Code 3)
		cod			Identification particulars				
				code	Name	Code	Quantity		
			1						
			2						
			3						

Part II. Area Measurement Result

1		2	3		4	5	
The field or other land use Date of measurement		Area in Sq.m.	Area in Local Units			Reason if area Measurment not conducted	
Date	Month		Name of Local Area Unit	code	Area		Code

Part III. Bearing and Distances of the Measured Area

Side ID	A-B	B-C	C -	D -	E -	F-	G-
Bearing							
Distanse of							
Side ID	H -	I -	J -	K -	L -	M-	N-
Bearing							
Distances of							
Side ID	O -	P-	Q-	R-	S-	T-	U-
Bearing							
Distance of							

Rural

FORM EASE-R-94/6

Ethiopian Agricultural Sample Enumeration
List and Selection of Crop Fields - 2001/02 (1994 E.C.)

Part I- Identification Particulars

1	2	3	4	5	6	7	8	9	10	9
Region	Zone	Wereda	Farmers Association	Enumeration Area	Household ID Number	Holder ID Number	Holder Name	Age	Sex Male =1 Female =2	Type of Holding Crop =1 Livestock =2 Both =3

Part II- Selection of Fields for and Crop Cutting Experiment

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
		Type of Crop Temporary =1 Vegetable/ Root =2 Permanent =3 Mixed =4		Name of Crops																			
Serial No. of Parcel	Serial No. of Field		Crop Name*	CODE	FIELD No.	SL.FIEL No.	FIELD No.	SL.FIEL No.	FIELD No.	SL.FIELD No.	FIEL No.	SL.FIEL No.	FIELD No.	SL.FIELD No.	FIELD No.	SL.FIEL No.	FIELD No.	SL.FIEL No.	FIEL No.	SL.FIEL No.	FIELD No.	SL.FIEL No.	FIELD No.	SL.FIELD No.

*NOTE:- * ALL FIELDS UNDER ANY TYPE OF CROP SHOULD BE LISTED*

Rural

Form EASE-R- 94/7A

Ethiopian Agricultural Sample Enumeration
Crop Cutting Results - Temporary Crops 2001/02 (1994 E.C.)
(Peasant Holdings)

Part I - Identification particulars

1	2	3	4	5	6	7	8	9	10	11
Region	Zone	Wereda	Farmers Association	Enumeration Area	Household ID Number	Holder ID Number	Name of Holder	Age	Sex Male =1 Female =2	Type of Holding Crop = 1 Livestock = 2 Both = 3

Part II - Details of Crop Cutting (For Temporary Crops only) (Excluding Vegetables and Root Crops)

1	2	3		4		5		6		7		8	9		10	11	
Serial No. Of		Crop Name		Date of Harvest		Fresh Weight		Date of Recording Dry Weight		Dry Weight		Was Crop Damaged? Yes =1 No =2	If yes, Reason for Damage		Percentage Damaged	Type of Crop Stand Pure =1 Mixed =2	
Parcel	Field		Code	Day	Month	Kg.	Grams	Day	Month	Kg.	Grams			Code			

Rural

Form EASE-R- 94/7B

Ethiopian Agricultural Sample Enumeration
Crop Cutting Results - Vegetables and Root Crops - 2001/02 - (1994 E.C)
(Peasant Holding)

PART I - IDENTIFICATION PARTICULARS

1	2	3	4	5	*	7	8	9	10	11
Region	Zone	Wereda	Farmers' Association	Enumeration Area	Household I Number	Holder ID Number	Name of Holder	Age	Sex Male =1 Female =2	Type of Holding Crop = 1 Livestock = 2 Both = 3

PART II - DETAILS OF CROP CUTTING OF PLOT PERPARATION (FOR VEGETABLES AND ROOT CROPS)

1	2	3	4	5	6	7	8	9	10	11	12	13
					For Rows only			For Broad Cast only				
				Planting Pattern	Selected Random Rows		Random Distance in Meter for the Selected Rows from Starting Point				From starting point to the center of the field	
Ser. No.	Parcel No.	Field No.	Crop Name / Code	Rows =1 Broad cast=2	Serial N0	Distance in meter		Largest Field Side in meter	Random Distance in Meter for the Largest Side from Starting Point	Shortest Side Distance in Meter	Shortest Side Random Distance in Meter	Shortest Side Bearing
0 1												
0 2												
0 3												
0 4												
0 5												
0 6												
0 7												
0 8												
0 9												
1 0												

PART III - CROP CUTTING RESULT (FOR VEGETABLES AND ROOT CROPS)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
					For Rows Only			From 1m x 1m (for Broad cast) or 1m x 2 Rows (for Rows) Plot No. of Fruits and Quantity Harvested							
				Planting Pattern	Distance Between five or Below five Rows		Plant Category A = 1 Catatory B = 2	First Visit		Second Visit		Third visit		Grand Total	
Line No.	Parcel No.	Field No.	Crop Name / Code	Row =1 Broad cast=2	No. of Rows	Total distance in Meter	/ Code	No. of Fruits Quantity	Weight in Kg.	No. of Fruits Quantity	Weight in Kg.	No. of Fruits Quantity	Weight in Kg.	No. of Fruits Quantity	Weight in Kg.
0 1															
0 2															
0 3															
0 4															
0 5															
0 6															
0 7															
0 8															
0 9															
1 0															

Form EASE -R- 94/7C

Ethiopian Agricultural Sample Enumeration
Crop Cutting Results - Permanent Crops 2001/02 (1994 E.C.)

Part I- Identification Particulars

1	2	3	4	5	6	7	8	9	10	11
Region	Zone	Wereda	Farmers' Association	Enumeration Area	Household ID Number	Holder ID Number	Name of Holder	Age	Sex Male =1 Female =2	Type of Holding Crop = 1 Livestock = 2 Both = 3

Part II- Details of Crop-Cutting (For Permanent Crops) (Excluding Coffee, Chat and Gesho)

1	2	3		4	5	6		7	8	9		10	11	12		13	14	15		16	17	18		19	20	
Serial No. Of		Fruit Type Picked		FIRST VISIT				SECOND VISIT				THIRD VISIT				FOURTH VISIT				FIFTH VISIT				TOTAL		
Parcel	Field		Code	Date	Number	Weight Kg.	Gm.	Date	Number	Weight Kg.	Gm.	Date	Number	Weight Kg.	Gm.	Date	Number	Weight Kg.	Gm.	Date	Number	Weight Kg.	Gm.	Number	Weight Kg.	Gm.
		Orange	47																							
		Banana	42																							
		Lemon	44																							
		Papaya	48																							
		Mango	46																							
		Guava	65																							
		Avocado	84																							
		Sugar cane	76																							
		Pineapple	49																							

PART III- DETAILS OF CROP-CUTTING FOR COFFEE, CHAT AND GESHO

1	2	3		4	5		6		7		8		9		10		11		12		13		14	
SERIAL No. OF		FRUIT / TWIGS PICKED		NUMBER OF TREES PICKED	WEIGHT OF COFFEE FRUITS DRIED AND BEANS (KG)																TOTAL			
					FIRST VISIT DATE / /				SECOND VISIT DATE / /				THIRD VISIT DATE / /				FOURTH VISIT DATE / /							
					DATE WEIGHED / /				DATE WEIGHED / /				DATE WEIGHED / /				DATE WEIGHED / /							
					FRUITS		BEANS		FRUITS		BEANS		FRUITS		BEANS		FRUITS		BEANS		FRUITS		BEANS	
PARCE	FIELD		CODE		KG.	GRAMS	KG.	GRAMS	KG.	GRAMS	KG.	GRAMS	KG.	GRAMS	KG.	GRAMS	KG.	GRAMS	KG.	GRAMS	KG.	GRAMS	KG.	GRAMS
		COFFEE	72																					
					WEIGHT OF FRESH AND DRY TWIGS (KG)																			
					FIRST VISIT				SECOND VISIT				THIRD VISIT				FOURTH VISIT				TOTAL			
					DATE / /		DATE / /		DATE / /		DATE / /		DATE / /		DATE / /		DATE / /		DATE / /					
					FRESH		DRY		FRESH		DRY		FRESH		DRY		FRESH		DRY		FRESH		DRY	
		GESHO	75																					
					Date / /				Date / /				Date / /				Date / /				Date / /			
		CHAT	71																					

Rural

Form EASE-94/8

Ethiopian Agricultural Sample Enumeration
Livestock and Honey Production-2001/2002 (1994 E.C)

PART I - Idetification Particulars

1	2	3	4	5	6	7	8	9	10	11
REGION	ZONE	WEREDA	FARMERS' ASSOCIATION	ENUMERATION AREA	HOUSEHOLD ID. No	HOLDER ID. No	HOLDER'S NAME	Age	Sex Male=1 Female=2	TYPE OF HOLDING CROP = 1 LIVESTOCK = 2 BOTH = 3

PART II-LIVESTOCK, BEEHIVES AND LIVESTOCK PRODUCTS

Question No I- Did you have livestock, And/or beehives on February 8, 2002?

Yes → 1 Complete questions below No → 2 Complet question No II	☐

Number of Cattle in Age & Purpose on February 8/2002

	None	Total	Male	Femal
1. Cattle of all ages on February 8,2002		1	2	3
a. Cattle < 6 months		4	5	6
b. Cattle 6 months & <1 years old		7	8	9
c. Cattle 1 year to <3 years old		10	11	12
d. Cattle 3 years to < 10 years		13	14	15
(1) Beef Cattle (for meat production purpose)		16	17	18
(2) For breeding purpose		19	20	21
(3) Dairy cows		22		23
(4) Cows gave milk for the last 12 months		24		25
(5) Draft Cattle (for work purpose)		26	27	28
(6) Cattle for other purposes		29	30	31
e. Cattle 10 years and older		32	33	34
f. Grand Total		35	36	37
1. Total Local breed		38	39	40
2. Total Exotic		41	42	43
3. Total Hybrid		44	45	46

Number of Sheep in Age & Purpose on February 8/2002

		None	Total	Male	Female
2. SHEEP of all ages on February 8, 2002			47	48	49
a. Sheep < 6 months			50	51	52
b. Sheep 6 months & < 1 years old			53	54	55
c. Sheep 1 year to < 2 years old			56	57	58
d. Sheep 2 years and older			59	60	61
(1) Sheep for meat (slaughter purpose)			62	63	64
(2) Sheep for wool only			65	66	67
(3) Sheep for breeding purpose only			68	69	70
(4) Sheep for other purposes			71	72	73
e. Grand Total			74	75	76
1. Total Local breed			77	78	79
2. Total Exotic			80	81	82
3. Total Hybrid			83	84	85

Number of Goats in Age & Purpose on February 8/2002

		None	Total	Male	Female
3. GOATS of all ages on February 8, 2002			86	87	88
a. Goats < 6 months			89	90	91
b. Goats 6 months & < 1 year old			92	93	94
c. Goats 1 year to < 2 years old			95	96	97
d. Goats 2 years and older			98	99	100
(1) Goats for meat (slaughter purpose)			101	102	103
(2) Dairy Goats			104		105
(3) Goats for breeding purpose only			106	107	108
(4) Goats for other purposes			109	110	111
e. Grand Total			112	113	114
1. Total Local breed			115	116	117
2. Total Exotic			118	119	120
3. Total Hybrid			121	122	123

Number of Pigs by age & purpose on February 8, 2002

	None	Total	Male	Female
4. Total Pigs		124	125	126
a. below 6 months		127	128	129
b. 6 months & above		130	131	132
b.1. For meat Purpose		133	134	135
b.2. Pigs for other purpose		136	137	138

Number of Horses, Asses,Mules & Camels in Age and Purpose (Feb. 9,2001-Feb. 8, 2002)

	None	Total	Male	Female
5. HORSES of all ages		139	140	141
a. Horses <3 years old		142	143	144
b. Horses 3 Years and older		145	146	147
b1) Horses used primarily for draft purpose		148	149	150
b2) Horses for Transportation		151	152	153
b3) Horses for other purpose		154	155	156
6. MULES of all ages		157	158	159
a. Mules <3 years old		160	161	162
b. Mules 3 years older		163	164	165
b1) Mules used primarily for draft purpose		166	167	168
b2) Mules for Transportation purposes		169	170	171
b3) Mules for Other Purpose		172	173	174
7. ASSES of all ages		175	176	177
a. Asses <3 years old		178	179	180
b. Asses 3 years and older		181	182	183
b1) Asses used for draft purpose		184	185	186
b2) Asses for Transportation purposes.		187	188	189
b3) Asses for Other Purpose		190	191	192
8. CAMELS of all ages		193	194	195
a. Camels <4 years old		196	197	198
b. Camels 4 years and older		199	200	201
b1) Camels for slaughter		202	203	204
b2) Camels used for draft purpose		205	206	207
b3) Camels for milk purpose		208		209
b4) Camels for Transportation purposes		210	211	212
b5) Camels for other purposes		213	214	215

CHICKENS

	None		
9. CHICKENS Total on February 8, 2002		216	
a. Laying hens (over 20 weeks old)		217	
b. Non-laying hens (over 20 weeks old)		218	
c. Cocks - males (over 20 weeks old)		219	
d. Cockerels (8 weeks to 20 weeks old)		220	
e. Pullets (8 weeks to 20 weeks old)		221	
f. Chicks (below 8 weeks old)		222	

Question No II: Did you have livestock, chickens, and/or beehives for the last 12 months (Feb. 9, 2001-Feb.8,2002)?

Yes ⟶ 1 Complet question below ☐

No ⟶ 2 Complet question No. 11 'c' and 'g' only

	None		
10. HONEY BEE COLONIES on February 8, 2002		223	
a. Traditinal beehives		224	
b. Intermediate beehives		225	
c. Modern beehives		226	

MILK, EGG AND HONEY PRODUCTION FOR THE LAST 12 MONTHS (Feb. 9, 2001-Feb. 8, 2002)

	None		
11. Dairy cows & camels			
a. Dairy cows gave milk		227	
b. Lactation period of cows (in months)		228	
c. Average milking month in a caw (traditional)		229	
d. Milk production - per day per dairy cow in litres		230	
e. Dairy camels gave milk		231	
f. Lactation period of camels (in months)		232	
g. Average milking month in a camel (traditional)		233	
h. Milk production - per day per camel in litres		234	

	None		
12. Egg production - per hen per clutch			
'In nearest hole number of eggs		235	
13. Average number of clutches (in days)		236	

14. Honey production per beehive per year (Feb. 9, 2001 - Feb. 8, 2002) in Kg.

	None		
a. Average honey production from traditional beehive per season per beehive		237	
Frequency of production per year per beehive.		238	
b. Average honey production from intermediate beehive per season per beehive		239	
Frequency of production per year per beehive.		240	
c. Average honey production from modern beehive per season per beehive		241	
Frequency of production per year per beehive.		242	

15. Livestock diseases & treatment Feb. 9, 2001-Feb. 8,2002)

1	2	3	4	5	6	7			8
Sr. No.	Type of **Livestock**	Total Vaccinated	Total Affected	Total Treated	Total Died	Major cause of death	Code 271	Code 272	Remark
1	Cattle								
2	Sheep								
3	Goats								
4	Equines								
5	Camels								
6	Pigs								
7	Chickens								

16. Source of Livestock feed

1	2		3		4
Sr. No.	TYPE OF FEED	Code	USE YES = 1 NO = 2	Code	IF YES, PERCENT
1	Natural grazing	1			
2	Crop Residue	2			
3	Improved pasture	3			
4	Hay	4			
6	Oil seed(noug cake)	5			
7	Other	6			

Rural

Form EASE -R- 94/9

Ethiopian Agricultural Sample Enumeration
Use of Crop, Livestock and Products - 2000/01 (1994 E.C.)
(Peasant Holding)

Job ID	1	2	3

Part I - Identification Particulars

1	2	3	4	5	6	7	8	9	10	11
Region	Zone	Wereda	Farmers' Association	Enumeration Area	Household ID. No.	Holder ID No.	Name of Holder	Age	Sex Male =1 Female =2	Type of Holding Crop =1 Livestock =2 Both =3

Part II - Crop Usage Proportions (Percentages)

1	2		3	4	5	6	7	8	9
Sr. No.	Name of Crop	Code	Household Consumption	Proportions of Total Product For: Seed	Sale*	Wages in Kind	Animal Feed	Other (Gifts ...)	Total
0 1									
0 2									
0 3									
0 4									
0 5									
0 6									
0 7									
0 8									
0 9									
1 0									
1 1									
1 2									
1 3									
1 4									
1 5									

Part III - Livestock Product Usage Proportions (Percentages)

1	2		3	4	5	6	7
SR. No.	Name of Livestock & Livestock Products	Code	Proportions in Percentage: Household Consumptio	Sale*	Wages in Kind	Others (Gifts ...)	Total
0 1							
0 2							
0 3							
0 4							
0 5							
0 6							
0 7							
0 8							
0 9							
1 0							
1 1							
1 2							
1 3							
1 4							
1 5							

*For sale includes the part of products that the holder sold for purchase of agricultural inputs, family clothings, ... etc.

Form NASE 94/10

Ethiopian Agricultural Sample Enumeration
Miscellaneous Questions - 2001/02 (1994 E.C.)

PART I- IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11
Region	Zone	Wereda	Farmers' Association	Enumeration Area	Household ID No.	Holder ID No.	Name of Holder	Age	Sex Male =1 Female =2	Type of Holding Crop =1 Livestock =2 Both =3

PART II - MISCELLANEOUS QUESTIONS

Q. No		Code
1.	Do you practice crop rotation on your holding? Yes = 1 No = 2	
2.	Do you practice burning of soil to increase fertility of the soil on your holding? Yes = 1 No = 2	
3.	If practice irrigation, what is the source of irrigation water? River = 1 Lake = 2 Pond = 3 Others =4 Not Used = 5	
4.	Have you used hired labour on you holding during this agricultural year? (last 12 months) Yes = 1 No = 2	
5.	How many persons were engaged on the holding other than the holder ? (Last 12 /mths)	Number: Male / Female / Total
5.1	permanent paid workers (full time)	
5.2	Temporary (seasonal paid workers)	
5.3	Unpaid family workers	
5.4	partners (share holders paid/ unpaid)	
5.5	Total persons engaged at any time of the year	
6.	Which ploughing practice do you use on your holding?	
6.1	Hand dug = 1	
6.2	Oxen /horse driven /pulling = 2	
6.3	Mechanized /Tractor = 3	
6.4	Both hand dug & oxen/ Horse driven = 4	
6.5	Both Oxen/Horse driven & Mechanized = 5	
7.	What method do you practice to, preserve soil against degradation or erosion?	
	Terracing = 1	
	Water catchment = 2	
	Afforestation = 3	
	Ploughing along the contour = 4	
	Others /Specify/ = 5	
	Do not practice = 6	
8.	Have you ever been included in the extension package program? Yes = 1 No = 2 ERR	
9.	If yes in 8, which extension package?	
	Rain abundant areas extension package = 1	
	Rain shortage areas extension package = 2	
	Post harvest technology " " = 3	
	Economically important crops " " = 4	
	Livestock development " " = 5	
	Any two of the above = 6	

Q. No		Code
10.	If the answer is 6 in 9, specify	
11.	If Yes in 8, when? Specify	
12.	What percentage of your holding is under the extension package/ (excluding livestock)	
13.	For which crop are you useing the extension package? specify	
14.	If No in 8, why? specify	
15.	Are you beneficiary of Credit facilities for agricultural activities Yes =1 No = 2	
16	Advisory services Yes = 1 No = 2	
17	Where do you get chemical fertilizer? Government Enterprise =1 Private Enterprise =2 Private Seller =3 Others (Specify) =4 Not Purchased =5	
18	How much do you buy 50 kg Urea?	Birr / Cent
19	How much do you buy 50 kg Dap?	Birr / Cent
20	How far do you go to Purchase Fertilizer?	kilo meter
21	How much time do man & women spend in the household on each of the following agricultural activities? use the codes given below the table*.	Male / Female
21.1	Tilling	
21.2	Sowing	
21.3	Weeding	
21.4	Harvesting	
21.5	Feeding /Treating	
21.6	Milking	
21.7	Marketing of agricultural products	

* Not Participated = 1
One fourth of the time (1/4) = 2
One half of the time (1/2) = 3
Three fourth of the time (3/4) = 4
Full time = 5
Not applicable = 6

Rural

Form EASE-R- 94/11

Ethiopian Agricultural Sampe Enumeration
Farm Implements, Work Animals And Storage Facilities - 2001/02 (1994 E.C.)

PART I- IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11
Region	Zone	Wereda	Farmers' Association	Enumeration Area	Household ID No.	Holder ID No.	Name of Holder	Age	Sex Male =1 Female =2	Type of Holding Crop =1 Livestock =2 Both =3

PART II- FARM IMPLEMENTS, WORK ANIMALS, AND STORAGE FACILITIES

2.1 Farming Implements

1	2		3	4		5		6	7	8	
Line No.	Name of Implement	Code	Number Owned	Replacement Value (cost per unit) Birr	Ct.	Total Value Birr	Ct.	Average Age of Service (years)	Do you rent Farm Implements? Yes =1 No =2	If Yes,enter Rate /day Birr	Ct.
01	Axe	01									
02	"Gejera"	02									
03	Hoe	04									
04	Shovel	05									
05	Pick axe	03									
06	Plow beam	06									
07	Yoke	07									
08	" Deger"	08									
09	Plow tip (Metal)	09									
10	"Wagel" tip	10									
11	"Erfe" (handle)	11									
12	Harrow	12									
13	Sprayer (hand operated)	17									
14	Reaper (sickle)	19									
15	Trashing stick	20									
16	Rake (all wood)	23									
17	Rake (any Metal)	24									
18	Winnower (wood)	25									
19	Winnower (Metal)	26									
20	Wheelbarrow	27									
21	Carts (hauling)	28									
22	Other (specify _____)										
23	Other (specify _____)										
24	Other (specify _____)										
25	Other (specify _____)										

RURAL

Ethiopian Agricultural Sample Enumeration

Form EASE-R-94/12B

List of Fields Under Mixed Crops and their Agricultural Practices

(Belg Season) - 2001/02 (1994 E.C.)

Part 1- IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11
Region	Zone	Wereda	Farmers' Association	Enumeration Areas	Household Number	Holder Number	Holders' Name	Age	Sex: male → 1, Femal → 2	Type of Holding: Crop → 1, Livestock → 2, Bothe → 3

Part II - Area Under Mixed Crops and Agricultural Practice

1	2 Questions	3 Parcel No. / Field No.			4 Parcel No. / Field No.		
		Crop Name / code	Corp Name / code	Crop Name / code	Corp Name / code	Corp Name / code	Corp Name / code
01	Type of Holding: Private → 1, Rented/contract → 2, Others → 3						
02	Have the field been included in the extention pakage program: Yes → 1, No → 2						
03	Total Mixed Crop Area in Local Unit	Name of Local Unit / code / Area			Name of Local Unit / code / Area		
04	Production in Local Unit	Production Unit: Local Unit / Code; Quantity			Production Unit: Local Unit / Code; Quantity		
05	Percentage shere of Area	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity
06	was the field Irrigated: yes → 1, No → 2						
07	Variety of seeds used: Improved → 1, Indiginous → 2						
08	If Indignous seed was used what was (for Cereals, Pulses & Oilseeds) the quantity	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram
09	If Improved seed was used, (for Cereals, Pulses & Oilseeds) what was the quantity	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram
10	If Improved seed was used (for Cereals, Pulses & Oilseeds) what was the cost/price	Birr Cent	Birr Cent	Birr Cent	Birr Cent	Birr Cent	Birr Cent
11	was the crop Damaged: Yes → 1, No → 2						
12	If, yes, what was the major cause of Damage	Reason Code	Reason Code	Reason Code	Reason Code	Reason Code	Reason Code
13	percentage of Damage						
14	Any control/ preventive measure Taken for crop damage → 1 → 2						
15	If yes, what type of measure: Chemical → 1, Non-chemical → 2, Both → 3						
16	If chemical in 16, Insecticid → 1, Herbicide → 2, Fungicide → 3, 1&2 → 4, 1&3 → 5, 2&3 → 6, All → 7						
17	Was the field fertilized: yes → 1, No → 2						
18	If fertilized what type? Natural → 1, Chemical → 2, Both → 3						
19	One main Reson for not using Chemical fertilizer	Reason Code			Reason Code		
20	If chemical fertilizer used: 20.1 Type: Urea → 1, Dap → 2, Both → 3						
	20.2 Quantity in Kilo gram	Kg. Gram			Kg. Gram		
21	If natural fertilizer used mainly what type ? Manure → 1, Compost → 2, Both → 3, Others → 4 / If others specify/ →						

URBAN

FORM EASE -U- 94/2

Agricultural Households Demographic Characteristics - 2001 /2002 (1994 E.C.)

PART I- IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8
REGION	ZONE	WEREDA	TOWN	HIGHER/WEREDA	KEBELE	ENUMERATIO AREA	HOUSEHOLD ID NO.

PART II - DEMOGRAPHIC CHARACTERISTICS OF EACH MEMBER OF THE AGRICULTURAL HOUSEHOLD (STARTING WITH THE HEAD OF THE HOUSEHOLD)

1	2	3	4	5	6	7	8	9	10	11	12	13	14
								5 YEARS AND ABOVE		10 YEARS AND ABOVE			
SR. NO.	FULL NAME	IS MEMEBER OF THE HOUSEHOLD A HOLDER Yes =1 No =2 code	HOLDER ID	TYPE OF HOLDING CROP =1 LIVESTOCK =2 BOTH =3 code	SEX MALE = 1 FEMALE = 2 Code	RELATION TO THE HEAD OF HOUSEHOLD Code	AGE (IN COMP-LETED YEARS)	EDUCATIONAL ATTAINMENT (Hiighest Grade Completed) Code	MARITAL STATUS NEVER MARRIED = 1 CURRENTLY MARRIED= 2 DIVORCED = 3 WIDOWED = 4 Code	WERE YOU ENGAGED IN ECONOMIC ACTIVITY DURING THE LAST 12 MONTHS? Yes =1 No =2 Code	IF NOT ENGAGED (IN COL. 11 COD2) ECOMOMIC ACTIVITY WHAT WAS THE MAIN REASON? STUDENT =1 HOME MAKERS =2 HANDICAP =3 OLD AGE/PENSION =4 OTHERS =5 Code	IF ENGAGED IN ECONOMIC ACTIVITY WHAT WAS THE MAJOR ACTIVITY? FULLY AGRICULTURE = 1 PARTLY AGRICULTURE = 2 Fully in others =3 Code	IF IN COLUMN 13, CODE 1 OR 2, EMPLOYMENT STATUS EMPLOYER = 1 OWN-ACCOUNT WORKER = 2 EMPLOYEE = 3 UNPAID FAMILY WORKER = 4 OTHERS =5 Code
0	1												
0	2												
0	3												
0	4												
0	5												
0	6												
0	7												
0	8												
0	9												
1	0												

Head	= 1
Spouse	= 2
Son/Daughter of head & spouse	= 3
Son/Daughter of head	= 4
Son/Daughter of spouse	= 5
Mother/Father of head/spouse	= 6
Sister/Brother of head/spouse	= 7
Other relatives	= 8
Non relatives	= 9

Illiterate	= 1
Informal Education	= 2
Grade 1 Completed	= 3
Grade 2 Completed	= 4
Grade 3 Completed	= 5
Grade 4 Completed	= 6
Grade 5 Completed	= 7
Grade 6 Completed	= 8
Grade 7 Completed	= 9
Grade 8 Completed	= 10
Grade 9 Completed	= 11
Grade 10 Completed	= 12
Grade 11 Completed	= 13
Grade 12 Completed	= 14
Grade 12 +	= 15

FORM EASE-U-94/3

URBAN

ETHIOPIAN AGRICULTURAL SAMPLE ENUMERATION

LIST OF FIELDS UNDER TEMPORARY AND PERMANENT CROPS AND AGRICULTURAL PRACTICES- MEHER SEASON

2001/02 (1994 E.C)

PART I-IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11	12	13	14
REGION	ZONE	WEREDA	TOWN	HIGHER/ WEREDA	KEBELE	ENUMERATION AREA	HOUSEHOLD ID. NUMBER	HOLDER ID. NUMBER	HOLDER'S NAME	AGE	SEX M→1 F→2	TYPE OF HOLDING CROP → 1 LIVESTOCK →2 BOTH → 3	DID YOU PRODUCE CROP IN BELG SEASON YES → 1 NO → 2

PART II- AREA UNDER TEMPORARY CROPS AND AGRICULTURAL PRACTICES

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
					Use of Agricultural Inputs							If column 12 is blank			If column 15 is blank	
						Use of fertilizer		Use of Irrigation				Area in local units			Production In Local units	
Parcel Number	Field Number	Name of crops	Type of Tenure Own → 1 Rented → 2 Others → 3	Location of field in Urban Boundary Within → 1 Outside → 2	Type of seeds used Improved seed → 1 Local seed → 2	Did you use Fertilizer Yes → 1 No → 2	If yes in column 7 Type of fertilizer Natural → 1 Chemical → 2 Both → 3	Did you apply Irrigation Yes → 1 No → 2	If yes in Column 9 Source of water River → 1 Lake → 2 Pool → 3 Pipe water → 4 Others → 5	Did you use pesticides Yes → 1 No → 2	Field Area in Square Meters	Name of Local Units	Area	Production in kilograms	Name of Local units	Quantity
			CODE									code				Code

Continued

PART III- AREA UNDER PERMANENT CROPS AND AGRICULTURAL PRACTICES

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
					Use of Agricultural Inputs						Number of Trees			If column 14 is blank			If column 17 is blank	
Parcel Number	Field Number	Name of crops	Type of Tenure Own → 1 Rented → 2 Others → 3	Location of field in Urban Boundary Within → 1 Outside → 2	Type of seeds used Improved seed → 1 Local seed → 2	Use of fertilizer Did you use Fertilizer Yes → 1 No → 2	If yes in column 7 Type of fertilizer Natural → 1 Chemical → 2 Both → 3	Use of Irrigation Did you apply Irrigation Yes → 1 No → 2	If yes in Column 9 Source of water River → 1 Lake → 2 Pool → 3 Pipe water → 4 Others → 5	Did you use pesticides Yes → 1 No → 2	Total trees	Fruit bearing	Field Area In square Meters	Area in local units Name of Local Units	Area	Production in kilograms	Production In Local units Name of Local units	Quantity
			CODE											code				Code