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AREA AND PRODUCTION OF CROPS

(PRIVATE PEASANT HOLDINGS, MEHER SEASON)

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ABBREVIATIONS: CV – COEFFICIENT OF VARIATION
E.C. – ETHIOPIAN CALENDAR
S.N.N.P.R. – SOUTHERN NATIONS, NATIONALITIES AND PEOPLES' REGION

PART I

INTRODUCTION AND OBJECTIVES OF THE SURVEY

1.1. INTRODUCTION

The sound performance of agriculture warrants the availability of food crops. This accomplishment in agriculture does not only signify the adequate acquisition of food crops to attain food security, but also heralds a positive aspect of the economy. In regard to this, collective efforts are being geared to securing agricultural outputs of the desired level so that self reliance in food supply can be achieved and disaster caused food shortages be contained in the shortest possible time in Ethiopia.

The prime role that agriculture plays in a country's political, economic and social stability makes measures of agricultural productions extremely sensitive. Statistics collected on agricultural productions are, therefore, fraught with questions of reliability by data users. To tackle these questions convincingly and dissipate the misgivings of users, information on agriculture has to be collected using standard procedures of data collection.

Upholding this principle, the Central Statistical Agency (CSA) has been furnishing statistical information on the country's agriculture since 1980/81 to alert policy interventionists on the changes taking place in the agricultural sector. As part of this task the 2006/07 (1999 E.C) Agricultural Sample Survey (AgSS) was conducted to provide data on crop area and production of crops within the private peasant holdings for Meher Season of the specified year. The survey results are presented in this bulletin and other electronic media for data users.

The report comprises three parts. Part I contains the objectives of this annual survey. Part II deals with coverage of the survey, sample design, field organization and method of data collection and Part III includes the survey results. Estimation procedures and formulation of estimates of totals, ratios and variance are presented in Appendix I. Estimates of the standard errors with the corresponding coefficients of variations for area and production of crops are presented in Appendix II. The numbers

of agricultural households covered, number of parcels and fields measured are presented in appendix III and the survey questionnaires in Appendix IV.

1.2. OBJECTIVES OF THE SURVEY

The general objective of CSA's Agricultural Sample Survey (AgSS) is to collect basic quantitative information on the country's agriculture that is essential for planning, policy formulation, monitoring and evaluation of mainly food security and other agricultural activities. The AgSS is composed of four components: Crop Production Forecast Survey, Meher Season Post Harvest Survey, Livestock Survey and Belg Season Survey.

The specific objectives of Meher Season Post Harvest Survey are to estimate the total crop area, volume of crop production and yield of crops for Meher Season agriculture in Ethiopia. The report is based on private peasant holdings in rural sedentary areas of the country and part of companion reports on the performance of agriculture in the country. The report is compiled at regional and zonal level.

PART II

SURVEY METHODOLOGY, DATA COLLECTION AND PROCESSING

2.1. SCOPE AND COVERAGE OF THE SURVEY

The range of data items that the 2006/07 (1999 E.C) Annual Agricultural Sample Survey (Meher Season) dealt with includes all cereals, pulses and oilseeds and the most commonly grown vegetables, root crops and permanent (perennial) crops. Holders growing at least one or more of these and / or other crops are enumerated and data on crop area and yield condition recorded, hence data on production of these crops acquired.

The 2006/07 (1999 E.C) Annual Agricultural Sample Survey (Meher season) covered the entire rural parts of the country except Gambella Region, and the non-sedentary population of three zones of Afar & six zones of Somali regions. Accordingly, the survey took into account all parts of Harari, Addis Ababa, Dire Dawa, and 61 additional Zones / Special weredas (that are treated as zones) of other regions.

To be covered by the survey, a total of 2,117 enumeration areas (EAs) and 250 resettlement localities were selected. However, due to various reasons that are beyond control, in 22 EAs and 2 resettlement localities the survey was disrupted. Thus, all in all the survey succeeded to cover 2,095 EAs and 248 resettlement localities (98.99%) throughout the regions. The Annual Agricultural Sample survey (Meher season) was conducted on the basis of 20 agricultural households selected from each EA/resettlement locality. Regarding the ultimate sampling units, it was intended to cover a total of 48,300 agricultural households, however, 46,702 (96.69%) were actually covered by the survey.

2.2 SAMPLING FRAME

The list containing EAs of all regions and their respective agricultural households obtained from the 2001/02 Ethiopian Agricultural Sample Enumeration (EASE) was used as the sampling frame in order to select the primary sampling units (EAs). Consequently, all sample EAs were selected from this frame based on the design proposed for the survey. Resettlement localities, on the other hand, are sub-samples of the list of all resettlements localities obtained from each region. The second stage sampling units, households, were selected from a fresh list of households that were prepared for each EA/ resettlement localities at the beginning of the survey.

2.3 SAMPLE DESIGN

In order to select the sample a stratified two-stage cluster sample design was implemented. Enumeration areas (EAs) /resettlement localities were taken to be the primary sampling units (PSUs) and the secondary sampling units (SSUs) were agricultural households.

The sample size for the 2006/07 agricultural sample survey was determined by taking into account both the required level of precision for the most important estimates within each domain and the amount of resources allocated to the survey. In order to reduce non-sampling errors, manageability of the survey in terms of quality and operational control was also considered.

Except Harari, Addis Ababa and Dire Dawa, where each region as a whole was taken to be the domain of estimation; each zone of a region / special wereda was adopted as a stratum for which major findings of the survey are reported.

Moreover, values for the 2006/07 cultivated areas of crops and the expected amount of production for Gambella region are also provided. However, it is important to note that these values are not obtained from the survey but they are projections from the results of the 2003/04 annual Crop Production Forecast Sample Survey.

2.4 SELECTION SCHEME

Enumeration areas/resettlement localities from each stratum were selected systematically using probability proportional to size sampling technique; size being number of agricultural households. The sizes for EAs were obtained from the 1994 Population & Housing Census and adjusted for the sub-sampling effect. Sizes for resettlement localities on the other hand were obtained from the 2004 listings of resettlement localities. From the fresh list of households prepared at the beginning of the survey 20 agricultural households within each sample EA/resettlement locality were selected systematically.

Estimation procedure of totals, ratios, sampling error and the measurement of precision of estimates (CV) are given in Appendix I and II respectively. Distribution of sampling units (sampled and covered EAs and resettlement localities) by stratum is also presented in Appendix III.

2.5. ORGANIZATION OF FIELD WORK

The conduct of a survey cannot be executed without the arrangement of fieldwork. In recognition of this, the organization of fieldwork has been entrusted to the Department of Field Operations that liaises between the Head Office and the 25 Branch Statistical Offices spread across the regions. All Branch Offices took part in the survey execution especially in recruiting the enumerators, organizing the 2^{nd} stage training, assigning the field staff to their sites of enumeration, supervising the data collection and retrieving completed questionnaires and submitting them to the Head Office for data processing.

The Branch Offices were also responsible for administering the financial and logistic aspects of the survey within their areas of operation. A total of 2388 enumerators, 455 field supervisors, 25 coordinators and 50 statisticians were involved in the data collection where on the average one supervisor was assigned to five enumeration areas for supervision of data collection. All the enumerators were supplied with the necessary survey equipment after the completion of the training to ensure the smooth

operation of the survey. To facilitate the data collection activities, a total of 205 four-wheel drive vehicles were used.

2.6. TRAINING OF FIELD STAFF

The execution of a survey and quality of data acquired from the survey highly depend on the type of training given to the enumerators and supervisors and the consequent understanding of the tasks to be performed and the standard procedures to be followed by the enumerators and supervisors in the survey undertaking. The quality and completeness of data are ensured when the training meets its objective of producing responsible and fervent enumerators and supervisors.

In light of this point, the training was given to the field staff in two stages. The first stage training, which took place at the Head Quarters of CSA and lasted 10 days targeted staff from the Head Office, statisticians and senior field supervisors from Branch Statistical Offices. The staff that took part in the first stage training was then assigned to conduct similar training for the enumerators and other supervisors for fifteen days in all the twenty- five Branch Statistical Offices, except in Gambella, distributed across the country.

In the training the field staff was given detailed classroom instruction on how to collect data, method of area measurement, interviewing procedures, etc. The training also included field practice to reinforce the understanding of concepts, definitions and theories discussed in the classroom with regard to field measurement, crop cutting and interviewing methods.

2.7. METHOD OF DATA COLLECTION

The agricultural data for the year 2006/07(1999 E.C) was collected from sedentary rural peasant households by interviewing the selected agricultural holders and physically measuring their fields to obtain data on crop yields and other items of interest.

The data obtained were recorded in various forms designed for this purpose. Instruments like measuring tape; compass, kitchen balance, scientific calculators and

others were used during data collection for a timely and smooth acquisition of accurate data. The procedures for measuring area under crop and area of non - crop fields operated by the holders were performed for the 30 selected households from each sampled E.A. using measuring tapes and compasses.

2.8. DATA PROCESSING

a) Editing ,Coding and Verification

Statistical data editing plays an important role in ensuring the quality of the collected survey data. It minimizes the effects of errors introduced while collecting data in the field, hence the need for data editing, coding and verification. Although coding and editing are done by the enumerators and supervisors in the field, respectively, verification of this task is done at the Head Office.

An editing, coding and verification instruction manual was prepared and reproduced for this purpose. Then 43 editors-coders and verifiers were trained for two days in editing, coding and verification using the aforementioned manual as a reference and teaching aid. The completed questionnaires were edited, coded and later verified on a 100 % basis before the questionnaires were passed over to the data entry unit. The editing, coding and verification exercise of all questionnaires took 35 days.

b) Data Entry, Cleaning and Tabulation

Before data entry, the Natural Resources and Agricultural Statistics Department of the CSA prepared edit specification for the survey for use on personal computers for data consistency checking purposes. The data on the edited and coded questionnaires were then entered into personal computers. The data were then checked and cleaned using the edit specifications prepared earlier for this purpose. The data entry operation involved about 60 data encoders and it took 75 days to finish the job. Finally, summarization of the data was done on personal computers to produce statistical tables as per the tabulation plan.

2.9. CONCEPTS AND DEFINITIONS

Data items of agriculture have to be distinctly defined and identified, so that the information about the items becomes useful. The correct way of stating data items and related terms is a prerequisite for making standards and definitions for the collection and compilation of agricultural data. The purpose 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 the survey help to maintain consistent enumeration and measurement of variables of interest. To achieve this, CSA communicates concepts and definitions to the field staff through training and instruction manuals. The concepts and definitions used in the survey included the following.

Enumeration Area (E.A): 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 with out 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 with out 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 land use (private holding).

Crop: includes cereals, pulses, oilseeds, vegetables, root crops, fruits, coffee, Enset, Chat, hops, sugarcane, cotton, tobacco, etc produced for food, making drinks, stimulation and making fabrics or clothing.

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

Temporary/Annual Crops: - 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 (Perennial) 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, bananas, etc) and trees for beverages (i.e. coffee, tea, hops (Gesho), etc) are considered permanent crops but meadows and pastures are excluded.

Meher (Main) Season Crop: - any temporary crop harvested between the months of Meskerm (September) and Yekatit (February) is considered as meher season crop.

Belg Season Crop: - any temporary crop harvested between the months of Megabit (March) and Pagume (August) is considered to be Belg Season Crop.

PART III

SUMMARY OF SURVEY RESULTS

3.1 AREA & PRODUCTION

By and large, agriculture in Ethiopia is subsistence. This is particularly true to the major food crops grown in the country and covered in the survey. The major food crops are produced in almost all regions of the country in spite of the variation in volume of production across the regions. The variation may be attributed to the extent of area devoted to each crop type, weather change and a shift in preference for the crops grown.

The food crops on which data is collected are the ones that are commonly grown by the majority of peasant holders. In the statistical tables these crops have been categorized into eight groups for simplicity of description and comparison purposes. The groups are cereals, pulses, oilseeds, vegetables, root crops, fruit crops, stimulant crops and sugar cane. Stimulant crops consist of Chat, coffee and hops.

3.1.1 Cereals: - these are the major food crops both in terms of the area they are planted to and volume of production obtained. They are produced in larger volume compared with other crops because they are the principal staple crops. Cereals are grown in all the regions with varying quantity as shown in the survey results. The data in Table 1 well underpin this finding of the survey.

Out of the total grain crop area, 79.98% (8.5million hectares) was under cereals. Teff, maize, wheat and sorghum took up 22.70% (2.4 million hectares), 16.00% (1.7 million hectares), 13.91% (nearly 1.5 million hectares) and 13.82% (nearly 1.5 million hectares) of the grain crop area, respectively. As to production, the tables paint similar picture as that of the area. Cereals contributed 86.12% (about 128.8 million quintals) of the grain production. Maize, wheat, Teff and sorghum made up 25.25%

(37.8 million quintals), 16.47% (24.6 million quintals), 16.30% (24.4 million quintals) and 15.49% (23.2 million quintals) of the grain production in the same order.

Table 1 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Ethiopia

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt/ha)
Grain	11,292,324	10,592,755.47	149,554,980.91	
Cereals	10,920,354	8,471,919.72	128,797,925.96	
Teff	5,360,684	2,404,674.00	24,377,494.60	10.14
Barley	3,924,447	1,019,313.77	13,521,480.05	13.27
Wheat	4,115,669	1,473,917.31	24,630,638.52	16.71
Maize	7,524,584	1,694,521.55	37,764,397.06	22.29
Sorghum	4,334,872	1,464,318.17	23,160,409.33	15.82
Finger millet	1,355,608	374,071.57	4,844,089.15	12.95
Oats / 'Aja'	307,361	32,798.34	362,432.14	11.05
Rice	32,250	*	*	*
Pulses	6,473,735	1,379,045.77	15,786,215.39	
Faba beans	3,389,726	459,201.57	5,761,562.97	12.55
Field peas	1,522,305	221,715.39	2,100,948.79	9.48
Haricot beans	2,338,134	223,356.66	2,227,007.96	9.97
Chick-peas	802,473	200,066.05	2,538,713.21	12.69
Lentils	801,847	97,110.32	810,494.22	8.35
Grass peas	561,909	124,954.05	1,837,839.76	14.71
Soya beans	49,642	6,352.46	58,489.47	9.21
Fenugreek	482,641	20,762.03	163,985.87	7.90
Gibto	128,343	25,526.23	287,173.14	11.25
Oilseeds	3,341,891	741,790.98	4,970,839.57	
Neug	1,068,182	274,720.21	1,477,588.40	5.38
Linseed	1,264,356	174,108.46	1,082,215.82	6.22
Groundnuts	230,358	37,126.32	510,801.36	13.79
Safflower	221,693	13,019.05	111,759.74	8.58
Sesame	652,605	211,311.86	1,493,867.43	7.07
Rape seed	676,101	30,637.06	292,060.82	9.53
Vegetables	4,894,650	95,266.32	3,451,306.13	
Lettuce	56,531	413.63	*	*
Head cabbage	278,149	2,079.66	101,240.47	48.68
Ethiopian cabbage	2,627,485	23,458.13	1,591,924.69	67.93
Tomatoes	177,505	*	*	*
Green peppers	1,040,132	6,886.19	374,683.34	54.50
Red peppers	1,670,194	56,913.94	1,017,237.71	17.88
Swiss chard	72,565	113.74	-	-
Root crops	4,770,066	189,424.35	14,095,463.12	
Beetroot	296,464	1,663.14	144,484.84	86.87
Carrot	137,052	946.70	66,941.37	70.71
Onion	778,669	21,391.75	1,784,742.02	83.43
Potatoes	1,395,567	73,095.40	5,256,568.01	71.91
Garlic	1,542,581	9,266.46	683,083.45	73.72
Taro / 'Godere'	1,023,927	29,721.26	2,271,506.28	77.43
Sweet potatoes	1,245,951	53,311.65	3,888,137.15	73.06
Fruit crops	2,612,857	50,073.44	4,599,851.18	
Avocados	671,393	4,715.55	348,451.04	74.00
Bananas	1,668,905	30,429.49	2,279,421.21	75.36
Guavas	278,195	1,363.27	23,170.52	17.00
Lemons	170,062	685.56	60,832.20	89.25
Mangoes	558,976	6,796.10	626,111.83	94.08
Oranges	391,728	2,612.59	465,830.92	179.19
Papayas	533,229	2,784.63	735,685.14	269.03
Pineapples	26,877	*	*	*
Chat	2,094,640	147,804.68	1,517,236.34	10.27
Coffee	2,948,665	295,237.96	2,414,823.85	8.24
Hops	1,754,073	23,777.79	240,534.93	10.12
Sugar cane	941,858	17,475.01	11,162,818.16	642.32

Fig. 1 Area Under Crops, 2006/07 (1999 E.C)

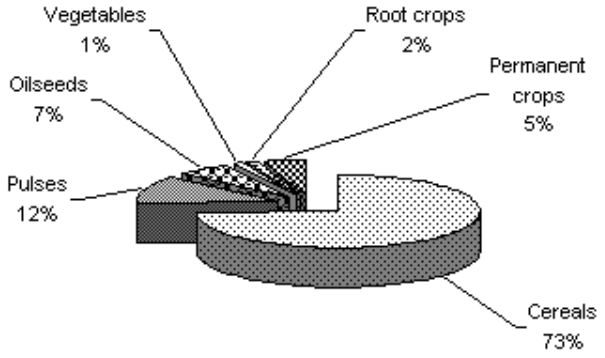
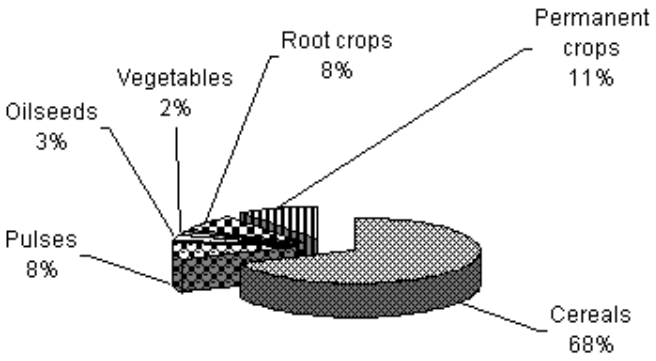


Fig. 2 Production of Crops, 2006/07 (1999 E.C)



3.1.2 Pulses: - The survey results show that the private peasant holders grow various crops for own consumption and/ or economic benefits. Pulses are also among the various crops produced in all the regions of the country after cereals. Pulses are grown in different volumes across the country as indicated in Table 1.

Pulses grown in 2006 / 07 (1999 E.C) covered 13.02% (nearly 1.4 million hectares) of the grain crop area and 10.56% (more than 15.8 million quintals) of the grain production was drawn from the same crops. Faba beans, haricot beans, and field peas were planted to 4.34% (more than 459 thousand hectares), 2.11% (223 thousand hectares) and 2.09% (about 222 thousand hectares) of the grain crop area. The production obtained from faba beans, chick-peas, and haricot beans was 3.85% (about 5.8 million), 1.70% (2.5 million) and 1.49% (2.2 million) quintals of the grain production, in that order.

3.1.3 Oilseeds: - these are crops grown to flavour the food consumed at home and earn some cash for peasant holders in the country. Various oil crops are produced in all the regions with differing quantity as illustrated in the survey results. Table 1 underscores this point in detail.

Oilseeds added 7.00% (about 742 thousand hectares) of the grain crop area and 3.32% (about 5 million quintals) of the production to the national grain total. Neug, sesame and linseed covered 2.59% (about 275 thousand hectares), 1.99% (more than 211 thousand hectares) and 1.64% (more than 174 thousand hectares) of the grain crop area and 0.99% (about 1.5 million quintals), 1% (about 1.5 million quintals) and 0.72% (more than one million quintals) of the grain production.

3.1.4 Vegetables- holders living near to urban centres largely practice vegetable farming. Most vegetables are not commonly practiced by the rural private peasant holders, hence the small volume of production recorded as well evidenced by the survey results. Statistical Table 1 underlines this more in the report.

Vegetables took up 0.84% of the area under all crops at national level. Of all the area under vegetables 59.74% and 24.62% was under red peppers and Ethiopian Cabbage, respectively. As to production of vegetables, 29.47% and 46.13% was that of the same crops, in that order.

3.1.5 Root Crops - Some root crops like onion and garlic are indispensable to improve the taste and scent of the food we eat. Others like potatoes, sweet potatoes and taro/ Godere are among the list of major food crops that are consumed across the country. These and other economic importances prompt the peasant holders to grow many of the root crops as shown in the survey results. Table 1 substantiates this point in more details.

Root crops covered more than 1.66% of the area under all crops in the country. Potatoes, sweet potatoes and taro ('Godere') added 38.59%, 28.14% and 15.69% of the area to the root crop total. The same crops and onion contributed 37.29%, 27.58%, 16.12% and 12.66% to the root crop production total in the same order.

3.1.6 Fruit Crops – The survey results show that fruit crops grown by the private peasant holders cover only a small token area and production in the country. The number of holders practicing fruit farming is much less than that of grains or cereals as indicated in the tables.

More than 50 thousand hectares of land is under fruit crops in Ethiopia. Bananas contributed about 60.77% of the fruit crop area followed by mangoes that contributed 13.57% of the area. Nearly 4.6 million quintals of fruits was produced in the country. Bananas, Papayas, mangoes and oranges took up 49.55%, 15.99%, 13.61% and 10.13% of the fruit production, respectively, as shown in Table 1.

3.1.7 Stimulant crops – Farmers engaged in growing and producing stimulant crops such as coffee and Chat are greater in number than those growing fruits. The area and production of these crops are also larger than that of fruits since they earn a considerable amount of cash for the holders. Table 1 shows Chat and coffee shared 1.30% and 2.59% of the area under all crops in the country and 1.5 and 2.4 million quintals of produce was obtained from these crops in the same agricultural year respectively.

3.1.8 Sugar Cane- is grown in small areas in some parts of the country within the private peasant holdings. More than 17 thousand hectares of land was under sugar cane in the country, yielding more than 11 million quintals of produce by the peasant holders. But the production is not usually used for industrial purposes. It is noticeably used up in household consumption.

Table 2 - Estimate of Area and Production of Grain Crops for
2005/2006 (1998 E.C) and 2006/2007 (1999 E.C), Meher Season

Region	Area in hectare			Production in quintal		
	2006 / 07 (1999 E.C)	2005 / 06 (1998 E.C)	% Change	2006 / 07 (1999 E.C)	2005 / 06 (1998 E.C)	% Change
TIGRAY	857,400	708,350	21.04	10,863,724	8,587,980	26.50
AFAR	18,022	19,088	-5.58	517,364	376,330	37.48
AMHARA	3,638,543	3,570,812	1.90	49,220,815	43,854,714	12.24
OROMIA	4,865,726	4,720,123	3.08	73,839,284	67,727,141	9.02
SOMALI	73,683	67,290	9.50	431,778	378,094	14.20
BENISHANGUL-GUMUZ	179,229	171,876	4.28	2,500,532	2,085,802	19.88
S.N.N.P.R.	921,582	876,693	5.12	11,675,393	10,359,040	12.71
GAMBELA	9,890	9,890	0.00	171,067	171,067	0.00
HARARI	9,428	8,807	7.05	107,843	78,154	37.99
ADDIS ABABA	10,703	10,094	6.03	122,967	124,037	-0.86
DIRE DAWA	8,551	7,888	8.41	104,214	78,917	32.06
ALL	10,592,757	10,170,911	4.15	149,554,981	133,821,275	11.76

Fig. 3 - Area and Production of Grain Crops by Region, 2006/07 (1999 E.C)

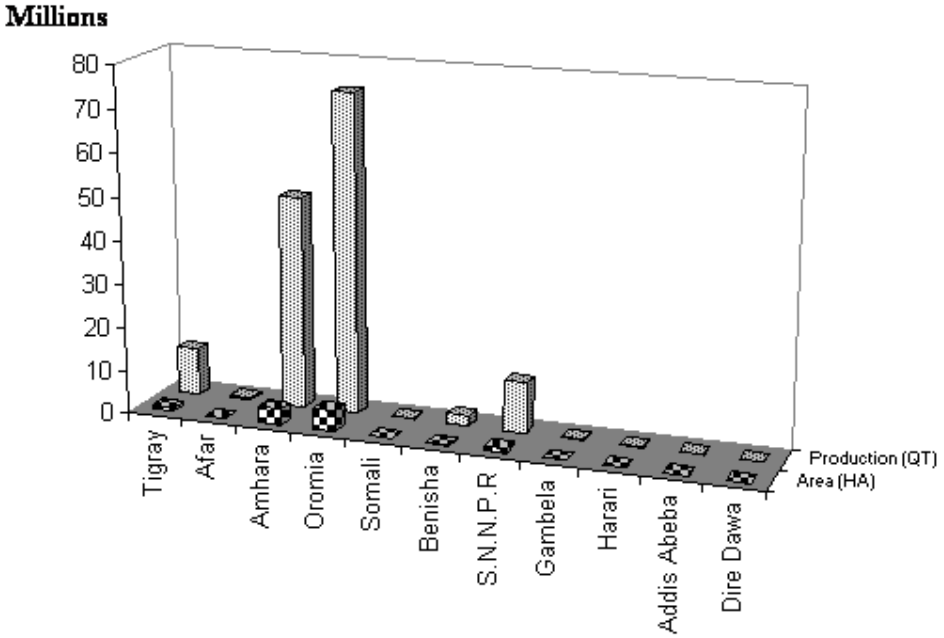


Table 3 - Estimate of Area, Production and Yield of Crops for
2004/2005 (1997 E.C) and 2006/2007 (1999 E.C), Meher Season

Ethiopia

	Area in hectare			Production in quintal			Yield (quintal / hectare)		
Crop	2006 / 07 (1999 E.C)	2005 / 06 (1998 E.C)	% Change	2006 / 07 (1999 E.C)	2005 / 06 (1998E.C)	% Change	2006 / 07 (1999 E.C)	2005 / 06 (1998E.C)	% Change
Grain crops	10,592,755	10,170,911	4.15	149,554,981	133,821,275	11.76			
Cereals	8,471,920	8,081,401	4.83	128,797,926	116,242,707	10.80			
Teff	2,404,674	2,246,017	7.06	24,377,495	21,755,977	12.05	10.14	9.69	4.64
Barley	1,019,314	997,868	2.15	13,521,480	12,706,798	6.41	13.27	12.73	4.24
Wheat	1,473,917	1,459,540	0.99	24,630,639	22,190,754	11.00	16.71	15.20	9.93
Maize	1,694,522	1,526,125	11.03	37,764,397	33,367 ,952	13.18	22.29	21.87	1.92
Sorghum	1,464,318	1,468,070	-0.26	23,160,409	21,735,987	6.55	15.82	14.81	6.82
Finger millet	374,072	333,029	12.32	4,844,089	3,970,017	22.02	12.95	11.92	8.64
Oats / 'Aja'	32,798	44,401	-26.13	362,432	401,634	-9.76	11.05	9.05	22.10
Rice	*	6,241	-	*	112,443	-	*	18.02	-
Pulses	1,379,046	1,292,170	6.72	15,786,215	12,712,469	24.18			
Faba beans	459,202	456,919	0.50	5,761,563	5,127,970	12.36	12.55	11.22	11.85
Field peas	221,715	233,087	-4.88	2,100,949	1,822,676	15.27	9.48	7.82	21.23
Haricot beans	223,357	163,688	36.45	2,227,008	1,384,216	60.89	9.97	8.46	17.85
Chick-peas	200,066	201,010	-0.47	2,538,713	2,105,851	20.56	12.69	10.48	21.09
Lentils	97,110	84,895	14.39	810,494	576,033	40.70	8.35	6.79	22.97
Grass peas	124,954	123,464	1.21	1,837,840	1,459,448	25.93	14.71	11.82	24.45
Soya beans	6,352	3,327	90.92	58,489	38,119	53.44	9.21	11.46	-19.63
Fenugreek	20,762	11,845	75.28	163,986	74,839	119.12	7.90	6.32	25.00
Gibto	25,526	13,936	83.17	287,173	123,318	132.87	11.25	8.85	27.12
Oilseeds	741,791	797,341	-6.97	4,970,840	4,866,099	2.15			
Neug	274,720	306,877	-10.48	1,477,588	1,471,286	0.43	5.38	4.79	12.32
Linseed	174,108	215,107	-19.06	1,082,216	1,259,072	-14.05	6.22	5.85	6.32
Groundnuts	37,126	35,468	4.67	510,801	341,501	49.58	13.79	9.65	42.90
Safflower	13,019	8,867	46.83	111,760	59,572	87.60	8.58	6.72	27.68
Sesame	211,312	205,153	3.00	1,493,867	1,488,610	0.35	7.07	7.26	-2.62
Rape seed	30,637	25,001	22.54	292,061	243,512	19.94	9.53	9.74	-2.16
Vegetables	95,266	117,650	-19.03	3,451,306	4,501,996	-23.34			
Lettuce	414	268	54.48	*	19,349	-	*	72.24	-
Head cabbage	2,080	1,653	25.83	101,240	128,823	-21.41	48.68	77.92	-37.53
Eth. Cabbage	23,458	23,019	1.91	1,591,925	1,808,433	-11.97	67.93	78.64	-13.62
Tomatoes	*	4,788	-	*	354,073	-	*	74.13	-
Green peppers	6,886	6,258	10.04	374,683	401,034	-6.57	54.50	64.20	-15.11
Red peppers	56,914	81,544	-30.20	1,017,238	1,790,283	-43.18	17.88	21.96	-18.58
Swiss chard	114	117	-2.56	-	*	-	-	*	-
Root crops	189,424	169,343	11.86	14,095,463	13,374,684	5.39			
Beetroot	1,663	1,506	10.42	144,485	162,911	-11.31	86.87	108.15	-19.68
Carrot	947	1,071	-11.58	66,941	68,815	-2.72	70.71	64.24	10.07
Onion	21,392	16,579	29.03	1,784,742	1,759,193	1.45	83.43	106.11	-21.37
Potatoes	73,095	61,812	18.25	5,256,568	4,499,958	16.81	71.91	72.80	-1.22
Garlic	9,266	12,481	-25.76	683,083	1,071,719	-36.26	73.72	85.87	-14.15
Taro / 'Godere'	29,721	25,553	16.31	2,271,506	1,724,128	31.75	77.43	68.50	13.04
Sweet potatoes	53,312	50,313	5.96	3,888,137	4,087,961	-4.89	73.06	81.40	-10.25
Fruit crops	50,073	45,043	11.17	4,599,851	4,283,012	7.40			
Avocados	4,716	3,596	31.15	348,451	283,477	22.92	74.00	78.98	-6.31
Bananas	30,429	28,102	8.28	2,279,421	2,114,499	7.80	75.36	75.74	-0.50
Guavas	1,363	802	69.95	23,171	14,294	62.10	17.00	17.81	-4.55
Lemons	686	569	20.56	60,832	41,950	45.01	89.25	74.19	20.30
Mangoes	6,796	5,400	25.85	626,112	547,291	14.40	94.08	104.06	-9.59
Oranges	2,613	2,761	-5.36	465,831	506,573	-8.04	179.19	184.36	-2.80
Papayas	2,785	2,895	-3.80	735,685	710,925	3.48	269.03	249.93	7.64
Pineapples	*	*	-	*	*	-	*	*	-
Chat	147,805	136,189	8.53	1,517,236	1,196,603	26.80	10.27	8.79	16.84
Coffee	295,238	261,175	13.04	2,414,824	1,716,311	40.70	8.24	6.63	24.28
Hops	23,778	22,891	3.87	240,535	227,802	5.59	10.12	9.95	1.71
Sugar cane	17,475	18,857	-7.33	11,162,818	16,050,252	-30.45	642.32	855.51	-24.92

Table 4 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Tigray

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	730,059	857,399.62	10,863,723.68	
Cereals	720,961	705,454.90	9,612,887.02	
Teff	428,922	160,740.57	1,573,599.04	9.79
Barley	393,737	101,575.87	1,210,587.47	11.92
Wheat	319,766	100,140.38	1,480,627.29	14.79
Maize	505,755	58,613.21	1,026,679.72	17.52
Sorghum	441,716	207,488.92	3,345,062.97	16.12
Finger millet	275,721	75,978.09	970,566.73	12.77
Oats / 'Aja'	3,589	*	5,763.80	*
Rice	1,402	284.45	-	-
Pulses	380,733	61,554.76	648,058.97	
Faba beans	207,617	17,288.59	208,285.13	12.05
Field peas	71,759	6,617.87	79,358.20	11.99
Haricot beans	46,874	3,909.34	32,200.39	8.24
Chick-peas	64,789	14,696.88	133,717.64	9.10
Lentils	70,712	8,113.92	71,169.80	8.77
Grass peas	43,844	9,948.22	118,412.69	11.90
Soya beans	*	*	-	-
Fenugreek	42,713	927.89	4,915.14	5.30
Gibto	-	-	-	-
Oilseeds	263,333	90,389.96	602,777.70	
Neug	52,531	7,256.68	49,102.62	6.77
Linseed	117,597	11,698.18	71,520.58	6.11
Groundnuts	*	*	*	*
Safflower	9,188	228.18	*	*
Sesame	122,602	71,149.86	481,411.88	6.77
Rape seed	6,605	28.89	-	-
Vegetables	260,008	2,375.99	64,637.01	
Lettuce	12,593	20.14	1,311.51	65.12
Head cabbage	13,819	95.05	5,572.22	58.62
Ethiopian cabbage	1,876	*	*	*
Tomatoes	35,401	299.66	11,325.10	37.79
Green peppers	71,659	481.75	28,208.81	58.55
Red peppers	161,804	1,425.92	16,688.72	11.70
Swiss chard	15,845	31.03	-	-
Root crops	144,588	2,386.99	235,888.11	
Beetroot	4,024	*	-	-
Carrot	8,767	*	*	*
Onion	64,122	1,124.86	113,396.71	100.81
Potatoes	37,361	622.08	57,737.97	92.81
Garlic	77,627	532.95	56,723.20	106.43
Taro / 'Godere'	-	-	-	-
Sweet potatoes	2,203	5.10	*	*
Fruit crops	34,276	340.31	4,002.20	
Avocados	*	*	-	-
Bananas	4,728	39.11	*	*
Guavas	13,032	66.61	*	*
Lemons	13,497	43.55	990.69	22.75
Mangoes	1,645	*	-	-
Oranges	6,941	24.67	*	*
Papayas	12,814	161.78	2,084.07	12.88
Pineapples	-	-	-	-
Chat	6,169	*	-	-
Coffee	7,064	41.63	-	-
Hops	123,543	1,775.36	26,832.39	15.11
Sugar cane	*	*	-	-

Table 4.1. - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

North West Tigray

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	131,949	196,095.24	2,588,271.82	
Cereals	131,750	167,966.83	2,374,563.98	
Teff	82,186	36,757.42	333,444.46	9.07
Barley	12,543	533.75	5,093.51	9.54
Wheat	*	*	*	*
Maize	125,222	21,975.11	458,765.12	20.88
Sorghum	105,636	66,068.22	1,050,685.54	15.90
Finger millet	102,200	42,480.95	524,345.98	12.34
Oats / 'Aja'	*	-	-	-
Rice	-	-	-	-
Pulses	58,037	10,038.33	98,249.57	
Faba beans	26,128	2,232.82	22,650.78	10.14
Field peas	6,922	*	*	*
Haricot beans	12,718	*	*	*
Chick-peas	23,712	5,660.95	57,417.05	10.14
Lentils	*	*	*	*
Grass peas	*	*	*	*
Soya beans	-	-	-	-
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	72,168	18,090.09	115,458.27	
Neug	20,961	3,831.02	22,653.12	5.91
Linseed	18,016	1,081.75	5,080.85	4.70
Groundnuts	*	*	*	*
Safflower	*	*	-	-
Sesame	44,669	13,140.89	87,584.65	6.67
Rape seed	*	*	-	-
Vegetables	95,810	910.13	12,773.16	
Lettuce	*	*	*	*
Head cabbage	-	-	-	-
Ethiopian cabbage	*	*	*	*
Tomatoes	5,798	50.26	942.44	18.75
Green peppers	4,154	14.09	1,169.92	83.03
Red peppers	94,011	843.53	10,586.34	12.55
Swiss chard	*	*	-	-
Root crops	11,619	*	*	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	6,681	*	*	*
Potatoes	*	*	-	-
Garlic	6,144	*	*	*
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	-	-
Fruit crops	6,101	22.07	625.75	
Avocados	-	-	-	-
Bananas	*	*	*	*
Guavas	*	*	-	-
Lemons	3,118	6.17	378.52	61.35
Mangoes	-	-	-	-
Oranges	1,357	*	-	-
Papayas	2,777	*	*	*
Pineapples	-	-	-	-
Chat	-	-	-	-
Coffee	961	*	-	-
Hops	15,987	*	*	*
Sugar cane	-	-	-	-

Table 4.2 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Central Tigray

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	214,059	212,932.23	2,283,573.92	
Cereals	213,568	190,969.87	2,088,238.78	
Teff	172,299	63,001.05	550,582.61	8.74
Barley	123,353	17,692.30	166,878.90	9.43
Wheat	83,338	19,730.73	240,055.69	12.17
Maize	175,546	17,438.57	243,984.66	13.99
Sorghum	155,697	56,080.95	719,838.11	12.84
Finger millet	101,243	16,984.77	166,898.82	9.83
Oats / 'Aja'	*	*	-	-
Rice	*	*	-	-
Pulses	125,103	16,410.58	160,669.49	
Faba beans	91,161	7,794.80	84,427.05	10.83
Field peas	11,279	614.71	4,807.66	7.82
Haricot beans	23,548	1,505.59	*	*
Chick-peas	8,741	1,319.24	7,988.91	6.06
Lentils	29,182	2,633.89	24,202.87	9.19
Grass peas	8,756	*	*	*
Soya beans	*	*	-	-
Fenugreek	15,817	*	*	*
Gibto	-	-	-	-
Oilseeds	63,101	5,551.78	34,665.65	
Neug	17,013	821.35	5,639.24	6.87
Linseed	38,551	2,895.24	16,823.91	5.81
Groundnuts	*	*	*	*
Safflower	3,618	32.41	-	-
Sesame	14,368	1,779.01	12,142.80	6.83
Rape seed	4,242	*	-	-
Vegetables	73,444	470.84	20,069.23	
Lettuce	5,415	*	*	*
Head cabbage	*	*	*	*
Ethiopian cabbage	-	-	-	-
Tomatoes	8,285	95.39	3,914.83	41.04
Green peppers	30,085	122.18	10,147.43	83.05
Red peppers	39,325	215.33	2,450.41	11.38
Swiss chard	5,344	*	-	-
Root crops	49,802	473.42	54,909.20	
Beetroot	*	*	-	-
Carrot	3,414	36.23	3,376.01	93.18
Onion	21,761	214.81	27,375.07	127.44
Potatoes	8,316	38.14	4,574.02	119.93
Garlic	37,932	174.84	19,533.47	111.72
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	*	*
Fruit crops	10,423	194.94	-	
Avocados	*	*	-	-
Bananas	2,558	*	-	-
Guavas	3,704	15.21	-	-
Lemons	4,259	*	-	-
Mangoes	*	*	-	-
Oranges	2,269	5.43	-	-
Papayas	5,924	*	-	-
Pineapples	-	-	-	-
Chat	-	-	-	-
Coffee	1,893	6.73	-	-
Hops	39,233	643.52	7,381.19	11.47
Sugar cane	*	*	-	-

Table 4.3 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

East Tigray

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	116,182	86,870.95	1,104,919.37	
Cereals	115,568	74,728.84	999,531.31	
Teff	43,097	9,496.77	89,233.18	9.40
Barley	104,513	28,042.02	382,237.75	13.63
Wheat	90,767	22,686.66	325,037.69	14.33
Maize	61,531	5,295.57	79,475.04	15.01
Sorghum	30,284	5,538.17	78,621.60	14.20
Finger millet	24,063	3,305.06	42,617.08	12.89
Oats / 'Aja'	*	*	*	*
Rice	*	*	-	-
Pulses	71,839	10,377.29	96,668.33	
Faba beans	37,431	1,715.34	20,830.25	12.14
Field peas	25,501	1,718.58	15,033.89	8.75
Haricot beans	*	*	-	-
Chick-peas	6,539	1,201.85	*	*
Lentils	12,325	*	9,024.08	*
Grass peas	18,468	4,303.58	41,828.89	9.72
Soya beans	-	-	-	-
Fenugreek	9,315	*	390.27	*
Gibto	-	-	-	-
Oilseeds	22,965	1,764.82	*	
Neug	-	-	-	-
Linseed	20,486	1,643.62	*	*
Groundnuts	-	-	-	-
Safflower	*	*	*	*
Sesame	*	*	-	-
Rape seed	*	*	-	-
Vegetables	34,106	239.82	7,215.46	
Lettuce	3,581	5.20	359.88	69.21
Head cabbage	7,244	22.04	745.30	33.82
Ethiopian cabbage	643	*	*	*
Tomatoes	16,811	108.41	2,548.74	23.51
Green peppers	14,773	84.49	3,349.17	39.64
Red peppers	*	*	*	*
Swiss chard	5,191	8.37	-	-
Root crops	28,394	378.12	*	
Beetroot	784	*	-	-
Carrot	2,083	2.00	175.77	87.89
Onion	16,181	164.11	8,750.12	53.32
Potatoes	10,807	*	*	*
Garlic	8,702	23.64	2,715.21	114.86
Taro / 'Godere'	-	-	-	-
Sweet potatoes	-	-	-	-
Fruit crops	5,591	*	*	
Avocados	-	-	-	-
Bananas	*	*	-	-
Guavas	3,565	*	*	*
Lemons	*	*	-	-
Mangoes	-	-	-	-
Oranges	2,729	*	*	*
Papayas	*	*	-	-
Pineapples	-	-	-	-
Chat	*	*	-	-
Coffee	*	*	-	-
Hops	27,191	292.47	5,302.51	18.13
Sugar cane	-	-	-	-

Table 4.4 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

South Tigray

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	198,309	244,116.52	3,516,552.82	
Cereals	194,488	214,573.86	3,201,875.57	
Teff	112,693	46,465.00	535,576.02	11.53
Barley	148,474	54,591.20	646,353.63	11.84
Wheat	141,025	56,910.19	900,292.28	15.82
Maize	89,624	10,050.39	180,241.31	17.93
Sorghum	92,229	43,698.16	908,583.81	20.79
Finger millet	17,594	2,514.49	27,373.69	10.89
Oats / 'Aja'	2,230	323.55	3,454.83	10.68
Rice	*	*	-	-
Pulses	107,835	22,838.33	272,570.27	
Faba beans	40,912	4,586.64	69,216.11	15.09
Field peas	25,737	3,218.65	51,325.76	15.95
Haricot beans	*	*	*	*
Chick-peas	23,050	5,915.39	54,559.67	9.22
Lentils	27,639	4,226.29	37,598.80	8.90
Grass peas	14,294	2,936.67	48,080.05	16.37
Soya beans	-	-	-	-
Fenugreek	15,808	293.17	1,853.42	6.32
Gibto	-	-	-	-
Oilseeds	42,022	6,704.33	42,106.98	
Neug	*	*	*	*
Linseed	36,808	5,737.08	37,186.71	6.48
Groundnuts	-	-	-	-
Safflower	*	*	*	*
Sesame	*	*	*	*
Rape seed	*	*	-	-
Vegetables	32,261	379.23	18,514.25	
Lettuce	1,945	2.53	-	-
Head cabbage	4,258	58.24	2,163.50	37.15
Ethiopian cabbage	*	*	*	*
Tomatoes	2,563	*	*	*
Green peppers	19,374	236.05	13,542.28	57.37
Red peppers	4,263	39.25	304.16	7.75
Swiss chard	4,857	7.15	-	-
Root crops	48,347	1,290.39	129,956.95	
Beetroot	*	*	-	-
Carrot	*	*	*	*
Onion	18,859	*	*	*
Potatoes	17,684	*	*	*
Garlic	18,554	207.38	23,077.53	111.28
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	-	-
Fruit crops	6,293	22.20	-	
Avocados	-	-	-	-
Bananas	*	*	-	-
Guavas	4,198	12.55	-	-
Lemons	*	*	-	-
Mangoes	*	*	-	-
Oranges	*	*	-	-
Papayas	1,835	*	-	-
Pineapples	-	-	-	-
Chat	*	*	-	-
Coffee	1,611	*	-	-
Hops	27,134	210.81	1,812.95	8.60
Sugar cane	-	-	-	-

Table 4.5 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Western Tigray

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	69,559	117,384.67	1,370,405.76	
Cereals	65,587	57,215.51	948,677.38	
Teff	18,647	5,020.33	64,762.77	12.90
Barley	4,854	716.60	10,023.67	13.99
Wheat	3,424	661.44	13,012.27	19.67
Maize	53,832	3,853.57	64,213.59	16.66
Sorghum	57,869	36,103.42	587,333.91	16.27
Finger millet	30,620	10,692.82	209,331.16	19.58
Oats / 'Aja'	-	-	-	-
Rice	209	167.32	-	-
Pulses	17,918	1,890.23	19,901.31	
Faba beans	11,985	958.98	11,160.93	11.64
Field peas	2,320	162.49	1,444.10	8.89
Haricot beans	2,806	128.66	2,808.87	21.83
Chick-peas	2,747	599.46	4,191.06	6.99
Lentils	738	35.04	296.36	8.46
Grass peas	100	5.50	-	-
Soya beans	-	-	-	-
Fenugreek	110	0.09	-	-
Gibto	-	-	-	-
Oilseeds	63,077	58,278.94	401,827.06	
Neug	11,446	2,419.93	18,817.17	7.78
Linseed	3,735	340.48	3,715.18	10.91
Groundnuts	-	-	-	-
Safflower	-	-	-	-
Sesame	59,658	55,517.90	379,294.72	6.83
Rape seed	*	*	-	-
Vegetables	24,386	375.97	6,064.91	
Lettuce	545	2.22	2.53	1.14
Head cabbage	238	0.57	-	-
Ethiopian cabbage	*	*	*	*
Tomatoes	1,943	30.73	2,858.59	93.02
Green peppers	3,273	24.94	-	-
Red peppers	20,763	317.50	3,203.60	10.09
Swiss chard	-	-	-	-
Root crops	6,427	42.45	3,817.25	
Beetroot	101	0.35	-	-
Carrot	-	-	-	-
Onion	640	5.26	411.41	78.21
Potatoes	314	0.32	3.35	10.47
Garlic	6,295	36.49	3,399.86	93.17
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	*	*
Fruit crops	5,866	49.14	2,500.29	
Avocados	-	-	-	-
Bananas	534	14.47	-	-
Guavas	222	0.27	-	-
Lemons	4,164	17.73	612.16	34.53
Mangoes	-	-	-	-
Oranges	106	0.29	16.57	57.14
Papayas	2,100	16.38	1,871.56	114.26
Pineapples	-	-	-	-
Chat	-	-	-	-
Coffee	999	10.08	-	-
Hops	13,998	227.66	4,377.90	19.23
Sugar cane	-	-	-	-

Table 5 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Afar Region

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	13,593	18,021.78	517,364.35	
Cereals	13,502	17,518.01	515,232.51	
Teff	3,807	2,492.71	14,899.95	5.98
Barley	*	*	*	*
Wheat	*	*	*	*
Maize	12,465	13,221.00	490,610.22	37.11
Sorghum	3,939	1,551.95	7,721.90	4.98
Finger millet	*	*	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	2,674	259.65	1,239.04	
Faba beans	-	-	-	-
Field peas	-	-	-	-
Haricot beans	2,485	238.92	1,152.05	4.82
Chick-peas	*	*	*	*
Lentils	*	*	-	-
Grass peas	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	2,613	244.13	892.80	
Neug	*	*	-	-
Linseed	259	2.66	-	-
Groundnuts	*	*	-	-
Safflower	1,876	121.67	557.66	4.58
Sesame	1,399	110.08	335.14	3.04
Rape seed	-	-	-	-
Vegetables	1,626	30.49	-	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	*	*	-	-
Tomatoes	140	*	-	-
Green peppers	*	*	-	-
Red peppers	1,155	10.60	-	-
Swiss chard	-	-	-	-
Root crops	975	*	*	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	935	*	*	*
Potatoes	-	-	-	-
Garlic	-	-	-	-
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	-	-
Fruit crops	2,136	26.95	1,915.10	
Avocados	*	*	-	-
Bananas	846	12.57	*	*
Guavas	153	*	-	-
Lemons	512	*	*	*
Mangoes	274	*	-	-
Oranges	-	-	-	-
Papayas	1,238	3.58	1,761.76	492.11
Pineapples	-	-	-	-
Chat	*	*	-	-
Coffee	*	*	-	-
Hops	530	*	*	*
Sugar cane	*	*	-	-

Table 5.1 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Zone 1

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	7,716	12,428.02	481,972.53	
Cereals	7,668	12,425.17	481,972.53	
Teff	-	-	-	-
Barley	-	-	-	-
Wheat	-	-	-	-
Maize	7,648	12,385.65	481,646.05	38.89
Sorghum	*	*	*	*
Finger millet	*	*	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	-	-	-	
Faba beans	-	-	-	-
Field peas	-	-	-	-
Haricot beans	-	-	-	-
Chick-peas	-	-	-	-
Lentils	-	-	-	-
Grass peas	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	*	*	-	
Neug	-	-	-	-
Linseed	-	-	-	-
Groundnuts	*	*	-	-
Safflower	-	-	-	-
Sesame	*	*	-	-
Rape seed	-	-	-	-
Vegetables	112	*	-	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	-	-	-	-
Tomatoes	*	*	-	-
Green peppers	-	-	-	-
Red peppers	*	*	-	-
Swiss chard	-	-	-	-
Root crops	*	*	-	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	*	*	-	-
Potatoes	-	-	-	-
Garlic	-	-	-	-
Taro / 'Godere'	-	-	-	-
Sweet potatoes	-	-	-	-
Fruit crops	588	*	-	
Avocados	*	*	-	-
Bananas	568	*	-	-
Guavas	109	*	-	-
Lemons	-	-	-	-
Mangoes	274	*	-	-
Oranges	-	-	-	-
Papayas	*	*	-	-
Pineapples	-	-	-	-
Chat	-	-	-	-
Coffee	-	-	-	-
Hops	-	-	-	-
Sugar cane	-	-	-	-

Table 5.2 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Zone 3

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	5,877	5,593.76	35,391.82	
Cereals	5,834	5,092.84	33,259.98	
Teff	3,807	2,492.71	14,899.95	5.98
Barley	*	*	*	*
Wheat	*	*	*	*
Maize	4,816	835.35	8,964.17	10.73
Sorghum	3,888	1,539.43	7,395.41	4.80
Finger millet	-	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	2,674	259.65	1,239.04	
Faba beans	-	-	-	-
Field peas	-	-	-	-
Haricot beans	2,485	238.92	1,152.05	4.82
Chick-peas	*	*	*	*
Lentils	*	*	-	-
Grass peas	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	2,552	241.27	892.80	
Neug	*	*	-	-
Linseed	259	2.66	-	-
Groundnuts	-	-	-	-
Safflower	1,876	121.67	557.66	4.58
Sesame	1,378	109.56	335.14	3.06
Rape seed	-	-	-	-
Vegetables	1,514	*	-	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	*	*	-	-
Tomatoes	*	*	-	-
Green peppers	*	*	-	-
Red peppers	1,116	10.16	-	-
Swiss chard	-	-	-	-
Root crops	930	*	*	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	890	*	*	*
Potatoes	-	-	-	-
Garlic	-	-	-	-
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	-	-
Fruit crops	1,548	7.24	1,915.10	
Avocados	-	-	-	-
Bananas	278	*	*	*
Guavas	*	*	-	-
Lemons	512	*	*	*
Mangoes	-	-	-	-
Oranges	-	-	-	-
Papayas	1,217	3.45	1,761.76	510.66
Pineapples	-	-	-	-
Chat	*	*	-	-
Coffee	*	*	-	-
Hops	530	*	*	*
Sugar cane	*	*	-	-

Table 6 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Amhara Region

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	3,192,624	3,638,543.24	49,220,814.91	
Cereals	3,151,137	2,767,788.13	40,188,475.38	
Teff	2,008,943	939,487.63	9,720,064.42	10.35
Barley	1,397,117	351,264.12	4,702,311.49	13.39
Wheat	1,336,615	427,719.81	6,816,126.65	15.94
Maize	2,136,586	376,937.07	8,687,701.31	23.05
Sorghum	1,148,413	481,218.82	7,891,476.85	16.40
Finger millet	538,087	176,884.86	2,179,391.55	12.32
Oats / 'Aja'	93,907	7,657.62	75,833.92	9.90
Rice	*	*	*	*
Pulses	2,070,412	617,361.22	7,406,888.96	
Faba beans	1,354,707	212,906.78	2,815,739.77	13.23
Field peas	566,194	80,342.37	802,860.73	9.99
Haricot beans	317,532	47,241.67	454,537.71	9.62
Chick-peas	470,752	121,550.47	1,563,034.07	12.86
Lentils	397,230	52,790.40	396,862.77	7.52
Grass peas	316,397	67,676.04	1,018,615.25	15.05
Soya beans	*	*	*	*
Fenugreek	178,959	8,977.98	68,155.69	7.59
Gibto	125,247	25,397.98	287,082.07	11.30
Oilseeds	1,450,816	253,393.88	1,625,450.56	
Neug	561,991	116,927.21	539,394.29	4.61
Linseed	512,783	44,974.61	214,764.73	4.78
Groundnuts	9,951	*	*	*
Safflower	160,797	11,069.17	103,513.37	9.35
Sesame	235,323	61,346.56	561,142.64	9.15
Rape seed	398,343	18,013.53	193,678.83	10.75
Vegetables	1,178,442	28,500.14	496,259.27	
Lettuce	10,230	*	20.23	*
Head cabbage	53,322	208.03	11,469.20	55.13
Ethiopian cabbage	225,106	818.81	50,078.36	61.16
Tomatoes	36,558	304.48	22,208.49	72.94
Green peppers	164,285	1,174.65	59,516.67	50.67
Red peppers	809,223	25,929.27	352,966.31	13.61
Swiss chard	24,455	32.00	-	-
Root crops	1,312,090	34,210.93	2,667,093.14	
Beetroot	37,601	183.55	7,761.92	42.29
Carrot	25,968	65.07	2,927.73	44.99
Onion	251,561	5,527.32	532,893.18	96.41
Potatoes	490,901	23,069.59	1,798,255.05	77.95
Garlic	885,473	5,054.28	321,189.42	63.55
Taro / 'Godere'	-	-	-	-
Sweet potatoes	32,651	311.12	4,065.83	13.07
Fruit crops	213,878	2,086.91	215,088.77	
Avocados	9,304	18.97	*	*
Bananas	77,361	665.80	25,505.97	38.31
Guavas	34,750	141.42	3,285.62	23.23
Lemons	55,706	182.09	24,189.21	132.84
Mangoes	26,088	248.58	*	*
Oranges	77,305	530.07	99,138.90	187.03
Papayas	63,299	*	48,289.14	*
Pineapples	*	*	-	-
Chat	127,686	3,886.69	37,231.75	9.58
Coffee	261,057	4,942.80	27,186.43	5.50
Hops	873,926	14,086.75	134,428.81	9.54
Sugar cane	72,311	1,165.10	718,773.19	616.92

Table 6.1 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

North Gondar

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	471,542	612,070.10	8,342,158.55	
Cereals	465,269	437,937.78	6,573,368.22	
Teff	246,284	105,859.90	922,736.85	8.72
Barley	164,848	57,686.55	792,054.98	13.73
Wheat	104,730	31,166.57	484,038.49	15.53
Maize	332,019	50,291.50	1,118,566.12	22.24
Sorghum	292,311	159,971.92	2,748,829.89	17.18
Finger millet	116,201	31,382.88	495,611.09	15.79
Oats / 'Aja'	15,323	*	*	*
Rice	-	-	-	-
Pulses	243,381	101,500.05	1,194,970.75	
Faba beans	161,063	28,587.22	352,526.83	12.33
Field peas	68,342	11,344.88	97,624.25	8.61
Haricot beans	25,204	*	*	*
Chick-peas	107,586	41,931.76	604,960.22	14.43
Lentils	28,737	4,308.65	27,391.91	6.36
Grass peas	32,737	*	57,307.04	*
Soya beans	*	*	*	*
Fenugreek	21,585	2,474.92	25,575.94	10.33
Gibto	-	-	-	-
Oilseeds	264,627	72,632.27	573,819.59	
Neug	69,890	14,087.17	69,265.21	4.92
Linseed	74,757	7,393.60	37,508.90	5.07
Groundnuts	*	*	-	-
Safflower	40,961	3,621.36	36,232.97	10.01
Sesame	99,794	46,992.48	425,774.01	9.06
Rape seed	33,195	535.73	5,038.49	9.40
Vegetables	201,403	7,737.22	112,168.38	
Lettuce	*	*	-	-
Head cabbage	*	*	*	*
Ethiopian cabbage	29,894	154.51	5,848.02	37.85
Tomatoes	*	*	*	*
Green peppers	14,027	116.90	6,761.23	57.84
Red peppers	161,895	7,399.00	98,776.67	13.35
Swiss chard	*	*	-	-
Root crops	164,413	5,490.84	431,904.28	
Beetroot	*	*	*	*
Carrot	*	*	*	*
Onion	7,416	51.00	5,790.19	113.53
Potatoes	110,865	4,229.51	337,049.78	79.69
Garlic	107,048	*	*	*
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	-	-
Fruit crops	13,897	91.61	11,652.77	
Avocados	-	-	-	-
Bananas	*	*	*	*
Guavas	-	-	-	-
Lemons	4,859	*	*	*
Mangoes	-	-	-	-
Oranges	*	*	-	-
Papayas	7,719	*	*	*
Pineapples	*	*	-	-
Chat	*	*	-	-
Coffee	32,597	487.45	3,304.91	6.78
Hops	73,025	*	*	*
Sugar cane	-	-	-	-

Table 6.2 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

South Gondar

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	402,011	489,097.69	4,977,945.55	
Cereals	399,619	371,533.72	3,980,675.32	
Teff	297,726	132,821.08	1,079,158.33	8.12
Barley	230,391	55,152.49	557,399.16	10.11
Wheat	182,922	60,717.37	631,824.39	10.41
Maize	315,493	45,529.00	727,901.30	15.99
Sorghum	123,501	31,329.85	410,977.44	13.12
Finger millet	132,576	39,059.03	454,790.16	11.64
Oats / 'Aja'	*	*	*	*
Rice	*	*	*	*
Pulses	261,006	78,009.63	794,812.88	
Faba beans	156,558	24,524.50	294,156.13	11.99
Field peas	56,792	8,219.26	63,681.23	7.75
Haricot beans	41,153	11,664.46	57,685.26	4.95
Chick-peas	55,344	14,523.86	151,477.39	10.43
Lentils	28,696	3,975.63	25,285.15	6.36
Grass peas	36,109	6,285.00	89,624.44	14.26
Soya beans	-	-	-	-
Fenugreek	4,227	*	*	*
Gibto	38,962	8,749.43	*	*
Oilseeds	208,750	39,554.34	202,457.34	
Neug	107,944	25,194.52	140,811.25	5.59
Linseed	91,969	9,337.47	33,600.65	3.60
Groundnuts	*	*	-	-
Safflower	20,983	2,151.19	10,194.52	4.74
Sesame	*	*	-	-
Rape seed	70,011	2,603.17	17,850.92	6.86
Vegetables	111,513	3,008.43	33,431.96	
Lettuce	*	*	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	9,078	*	*	*
Tomatoes	*	*	-	-
Green peppers	19,239	*	*	*
Red peppers	81,873	2,870.31	27,641.04	9.63
Swiss chard	*	*	-	-
Root crops	213,405	9,753.91	705,700.34	
Beetroot	*	*	-	-
Carrot	*	*	*	*
Onion	4,881	*	*	*
Potatoes	112,988	8,810.38	642,452.56	72.92
Garlic	166,289	770.48	53,902.95	69.96
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	*	*
Fruit crops	12,637	62.95	6,486.59	
Avocados	*	*	-	-
Bananas	*	*	*	*
Guavas	*	*	*	*
Lemons	*	*	*	*
Mangoes	1,840	*	*	*
Oranges	*	*	*	*
Papayas	*	*	*	*
Pineapples	*	*	-	-
Chat	6,234	*	*	*
Coffee	13,310	128.96	331.43	2.57
Hops	123,472	1,614.74	12,158.96	7.53
Sugar cane	*	*	*	*

Table 6.3 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

North Wolo

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	309,758	252,657.46	3,074,447.72	
Cereals	305,457	193,678.98	2,414,089.97	
Teff	179,063	64,416.34	629,750.03	9.78
Barley	185,715	38,220.13	544,982.76	14.26
Wheat	123,270	23,818.69	293,180.32	12.31
Maize	148,559	6,826.49	91,539.61	13.41
Sorghum	154,629	54,208.92	779,625.78	14.38
Finger millet	28,161	4,039.14	53,461.11	13.24
Oats / 'Aja'	23,329	2,149.27	21,550.37	10.03
Rice	-	-	-	-
Pulses	221,352	51,659.40	620,305.51	
Faba beans	133,296	14,791.32	198,611.98	13.43
Field peas	95,263	11,752.85	160,924.37	13.69
Haricot beans	23,056	2,041.11	9,484.75	4.65
Chick-peas	51,030	9,233.36	107,936.52	11.69
Lentils	80,602	10,668.83	95,856.93	8.98
Grass peas	17,635	2,081.66	38,464.06	18.48
Soya beans	-	-	-	-
Fenugreek	33,412	1,090.27	*	*
Gibto	-	-	-	-
Oilseeds	99,502	7,319.09	40,052.24	
Neug	21,315	1,206.47	3,617.72	3.00
Linseed	79,714	4,910.98	27,918.42	5.68
Groundnuts	-	-	-	-
Safflower	12,004	*	*	*
Sesame	*	*	*	*
Rape seed	*	*	-	-
Vegetables	93,662	633.50	16,080.33	
Lettuce	*	*	-	-
Head cabbage	5,330	*	-	-
Ethiopian cabbage	40,837	140.21	11,164.69	79.63
Tomatoes	4,192	*	-	-
Green peppers	12,489	71.17	-	-
Red peppers	41,881	366.84	4,915.64	13.40
Swiss chard	2,340	*	-	-
Root crops	102,468	1,197.72	74,058.09	
Beetroot	*	*	-	-
Carrot	2,840	*	-	-
Onion	15,236	354.33	39,447.83	111.33
Potatoes	30,045	*	*	*
Garlic	82,759	514.96	14,197.33	27.57
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	*	*
Fruit crops	19,627	*	*	
Avocados	-	-	-	-
Bananas	9,899	*	*	*
Guavas	*	*	*	*
Lemons	*	*	*	*
Mangoes	*	*	-	-
Oranges	8,487	*	*	*
Papayas	6,217	14.88	2,604.90	175.06
Pineapples	-	-	-	-
Chat	6,636	9.43	86.66	9.19
Coffee	25,872	*	*	*
Hops	59,409	512.77	6,794.15	13.25
Sugar cane	3,239	*	*	*

Table 6.4 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

South Wolo

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	506,004	412,619.84	5,292,141.26	
Cereals	498,740	296,612.25	3,893,105.83	
Teff	317,058	97,985.25	1,094,032.39	11.17
Barley	243,727	33,640.97	403,589.06	12.00
Wheat	297,626	83,353.38	1,135,984.42	13.63
Maize	241,616	11,673.24	190,249.63	16.30
Sorghum	204,413	64,872.34	1,007,397.18	15.53
Finger millet	28,947	1,854.34	25,147.20	13.56
Oats / 'Aja'	43,473	3,169.46	36,705.95	11.58
Rice	*	*	-	-
Pulses	401,356	106,261.03	1,346,505.37	
Faba beans	268,302	32,907.31	485,545.08	14.75
Field peas	112,372	13,457.38	145,919.28	10.84
Haricot beans	80,480	10,302.68	182,181.33	17.68
Chick-peas	110,104	17,698.92	256,642.53	14.50
Lentils	133,348	18,928.22	134,861.12	7.12
Grass peas	72,146	9,422.49	120,468.86	12.79
Soya beans	*	*	-	-
Fenugreek	49,824	3,507.67	20,887.16	5.95
Gibto	-	-	-	-
Oilseeds	164,733	9,746.56	52,530.07	
Neug	79,555	5,112.20	24,190.05	4.73
Linseed	87,921	3,469.19	20,221.50	5.83
Groundnuts	*	*	-	-
Safflower	16,781	*	2,642.62	*
Sesame	*	*	*	*
Rape seed	17,128	264.33	813.60	3.08
Vegetables	150,489	1,268.30	33,579.32	
Lettuce	2,057	*	-	-
Head cabbage	5,107	*	*	*
Ethiopian cabbage	42,403	134.78	8,024.87	59.54
Tomatoes	6,182	*	*	*
Green peppers	26,450	147.62	10,833.52	73.39
Red peppers	76,317	874.20	8,095.09	9.26
Swiss chard	9,994	20.17	-	-
Root crops	146,727	988.71	54,177.02	
Beetroot	6,970	*	*	*
Carrot	6,168	*	*	*
Onion	16,196	122.05	11,903.39	97.53
Potatoes	20,475	88.75	9,567.85	107.81
Garlic	114,676	660.33	29,146.86	44.14
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	-	-
Fruit crops	39,232	312.11	50,593.55	
Avocados	*	*	-	-
Bananas	12,056	*	*	*
Guavas	10,070	17.03	326.88	19.19
Lemons	5,935	6.05	331.66	54.82
Mangoes	3,574	5.27	-	-
Oranges	19,682	140.21	43,678.31	311.52
Papayas	*	*	*	*
Pineapples	-	-	-	-
Chat	57,137	2,348.47	26,232.45	11.17
Coffee	53,896	676.57	3,761.72	5.56
Hops	70,895	421.20	5,088.13	12.08
Sugar cane	12,362	*	*	*

Table 6.5 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

North Shewa

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	382,865	458,289.00	8,087,975.36	
Cereals	367,913	349,590.77	6,819,979.58	
Teff	244,399	124,490.64	1,988,777.16	15.98
Barley	170,901	55,886.50	979,969.83	17.54
Wheat	203,063	80,910.41	2,151,845.85	26.60
Maize	152,179	6,857.74	141,437.97	20.62
Sorghum	165,432	81,215.10	1,556,704.79	19.17
Finger millet	-	-	-	-
Oats / 'Aja'	4,726	125.34	*	*
Rice	*	*	-	-
Pulses	271,491	91,442.99	1,148,347.24	
Faba beans	192,579	40,025.34	609,149.05	15.22
Field peas	83,770	10,643.79	104,868.49	9.85
Haricot beans	61,482	6,538.07	74,549.92	11.40
Chick-peas	68,284	16,477.02	189,382.25	11.49
Lentils	92,431	10,932.73	89,437.81	8.18
Grass peas	32,332	5,611.31	72,495.70	12.92
Soya beans	-	-	-	-
Fenugreek	35,783	1,214.72	8,464.01	6.97
Gibto	-	-	-	-
Oilseeds	167,744	17,255.24	119,648.55	
Neug	43,258	1,860.88	6,145.53	3.30
Linseed	67,514	7,399.64	32,956.60	4.45
Groundnuts	-	-	-	-
Safflower	32,764	*	24,468.01	*
Sesame	57,020	5,377.58	53,697.25	9.99
Rape seed	15,753	168.78	2,381.15	14.11
Vegetables	164,610	1,102.30	34,791.43	
Lettuce	2,436	1.19	20.23	17.00
Head cabbage	7,358	9.42	-	-
Ethiopian cabbage	74,487	110.20	8,500.55	77.14
Tomatoes	5,957	*	*	*
Green peppers	28,407	*	*	*
Red peppers	79,724	668.32	10,292.21	15.40
Swiss chard	3,265	1.48	-	-
Root crops	217,981	4,209.76	396,798.91	
Beetroot	8,401	11.98	470.13	39.24
Carrot	9,482	11.04	873.09	79.08
Onion	131,697	3,328.76	330,047.02	99.15
Potatoes	34,083	95.48	8,916.78	93.39
Garlic	144,713	752.39	55,789.62	74.15
Taro / 'Godere'	-	-	-	-
Sweet potatoes	3,207	*	*	*
Fruit crops	43,084	270.68	34,176.52	
Avocados	*	*	-	-
Bananas	18,572	94.75	4,483.36	47.32
Guavas	*	*	-	-
Lemons	15,652	*	*	*
Mangoes	*	*	*	*
Oranges	17,635	76.51	19,676.29	257.17
Papayas	7,714	*	*	*
Pineapples	-	-	-	-
Chat	12,942	*	*	*
Coffee	51,278	563.34	1,971.73	3.50
Hops	150,952	3,036.01	14,269.27	4.70
Sugar cane	19,437	147.73	45,979.69	311.24

Table 6.6 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

East Gojjam

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	403,413	514,133.90	6,749,044.44	
Cereals	400,895	402,075.41	5,462,423.82	
Teff	284,192	197,696.59	2,154,606.13	10.90
Barley	175,474	47,322.31	585,757.59	12.38
Wheat	231,607	84,911.91	1,158,888.76	13.65
Maize	295,034	48,367.78	1,108,321.97	22.91
Sorghum	60,955	22,978.64	444,247.56	19.33
Finger millet	5,912	*	*	*
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	280,371	85,848.12	1,133,002.37	
Faba beans	231,694	35,887.98	428,869.75	11.95
Field peas	73,168	11,496.50	95,086.68	8.27
Haricot beans	14,923	*	*	*
Chick-peas	32,946	8,577.94	111,858.76	13.04
Lentils	10,501	1,270.15	*	*
Grass peas	73,964	23,989.05	441,915.41	18.42
Soya beans	-	-	-	-
Fenugreek	6,596	154.37	929.09	6.02
Gibto	16,367	1,824.45	*	*
Oilseeds	168,663	26,210.36	153,618.26	
Neug	78,805	15,544.48	68,624.47	4.41
Linseed	34,733	4,568.65	23,743.63	5.20
Groundnuts	-	-	-	-
Safflower	*	*	*	*
Sesame	*	*	*	*
Rape seed	68,884	2,318.94	23,634.24	10.19
Vegetables	115,622	1,518.53	69,539.80	
Lettuce	-	-	-	-
Head cabbage	15,108	51.14	4,579.02	89.54
Ethiopian cabbage	*	85.96	5,089.57	59.21
Tomatoes	*	*	-	-
Green peppers	41,876	218.57	16,296.28	74.56
Red peppers	55,198	1,160.76	43,574.93	37.54
Swiss chard	*	*	-	-
Root crops	169,753	4,015.68	382,410.21	
Beetroot	12,443	43.61	2,160.09	49.53
Carrot	1,756	*	*	*
Onion	40,373	840.11	74,929.32	89.19
Potatoes	58,510	2,641.56	262,359.98	99.32
Garlic	101,572	488.03	42,760.92	87.62
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	*	*
Fruit crops	9,435	47.79	166.43	
Avocados	-	-	-	-
Bananas	*	*	-	-
Guavas	-	-	-	-
Lemons	2,808	*	-	-
Mangoes	*	*	-	-
Oranges	6,758	14.57	166.43	11.42
Papayas	*	*	-	-
Pineapples	-	-	-	-
Chat	6,617	*	-	-
Coffee	9,602	24.18	-	-
Hops	151,710	2,100.54	19,387.94	9.23
Sugar cane	7,084	*	-	-

Table 6.7 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

West Gojjam

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	388,508	508,660.81	7,706,802.62	
Cereals	387,294	393,674.14	6,622,229.53	
Teff	242,647	118,347.21	986,534.63	8.34
Barley	115,545	32,193.15	473,296.96	14.70
Wheat	126,779	46,819.62	753,442.92	16.09
Maize	371,595	143,282.41	3,803,984.38	26.55
Sorghum	*	*	*	*
Finger millet	143,107	49,205.77	542,674.80	11.03
Oats / 'Aja'	*	*	*	*
Rice	-	-	-	-
Pulses	238,241	69,185.88	801,996.10	
Faba beans	147,933	24,030.42	287,000.09	11.94
Field peas	45,839	8,937.74	90,669.24	10.14
Haricot beans	22,183	*	*	*
Chick-peas	34,233	10,849.49	117,037.40	10.79
Lentils	6,397	*	-	-
Grass peas	48,188	12,442.89	189,170.05	15.20
Soya beans	-	-	-	-
Fenugreek	9,153	369.83	*	*
Gibto	43,116	9,356.01	100,200.27	10.71
Oilseeds	217,010	45,800.78	282,576.99	
Neug	104,240	31,046.23	134,959.75	4.35
Linseed	35,867	4,360.17	22,982.96	5.27
Groundnuts	-	-	-	-
Safflower	*	*	*	*
Sesame	*	*	*	*
Rape seed	142,563	10,042.80	119,198.77	11.87
Vegetables	236,536	8,821.25	126,217.89	
Lettuce	*	*	-	-
Head cabbage	11,284	39.73	3,144.31	79.14
Ethiopian cabbage	*	*	*	*
Tomatoes	4,478	12.38	935.47	75.56
Green peppers	10,732	27.18	1,964.29	72.27
Red peppers	228,872	8,633.41	113,960.98	13.20
Swiss chard	*	*	-	-
Root crops	191,893	5,123.60	558,060.30	
Beetroot	5,752	*	*	*
Carrot	*	*	*	*
Onion	22,092	491.54	56,595.86	115.14
Potatoes	69,140	4,008.50	473,162.95	118.04
Garlic	117,314	505.22	24,013.17	47.53
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	*	*
Fruit crops	31,547	*	*	
Avocados	4,884	8.71	-	-
Bananas	*	*	*	*
Guavas	8,864	*	*	*
Lemons	12,124	28.17	5,863.18	208.14
Mangoes	*	*	*	*
Oranges	*	*	*	*
Papayas	*	*	*	*
Pineapples	-	-	-	-
Chat	17,308	183.31	1,671.80	9.12
Coffee	35,125	1,825.56	12,231.28	6.70
Hops	171,119	2,525.50	34,195.33	13.54
Sugar cane	*	*	*	*

Table 9.8 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Waghemra

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	81,990	98,249.60	1,189,853.32	
Cereals	81,026	78,235.13	963,711.26	
Teff	58,881	21,334.14	218,780.74	10.25
Barley	55,751	19,256.78	240,823.07	12.51
Wheat	35,282	8,289.31	116,592.53	14.07
Maize	58,440	2,684.10	33,686.40	12.55
Sorghum	62,280	25,678.81	345,576.83	13.46
Finger millet	7,231	991.99	8,251.69	8.32
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	60,059	16,217.94	196,935.71	
Faba beans	41,305	8,567.00	119,431.74	13.94
Field peas	14,418	2,456.73	28,509.53	11.60
Haricot beans	16,486	2,187.90	22,154.63	10.13
Chick-peas	6,023	1,228.72	12,553.57	10.22
Lentils	15,228	1,743.06	14,034.83	8.05
Grass peas	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	5,075	34.53	251.42	7.28
Gibto	-	-	-	-
Oilseeds	39,017	3,796.54	29,206.34	
Neug	11,009	692.23	4,410.25	6.37
Linseed	29,708	2,306.46	13,010.63	5.64
Groundnuts	-	-	-	-
Safflower	11,817	534.57	6,587.57	12.32
Sesame	*	*	*	*
Rape seed	*	*	*	*
Vegetables	4,763	*	*	
Lettuce	-	-	-	-
Head cabbage	866	*	*	*
Ethiopian cabbage	*	*	*	*
Tomatoes	*	*	*	*
Green peppers	2,121	2.79	105.76	37.91
Red peppers	*	*	-	-
Swiss chard	*	*	-	-
Root crops	15,499	82.11	4,685.28	
Beetroot	*	*	*	*
Carrot	-	-	-	-
Onion	876	*	*	*
Potatoes	5,147	34.71	-	-
Garlic	12,499	37.04	3,622.47	97.80
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	*	*
Fruit crops	1,986	11.26	777.25	
Avocados	-	-	-	-
Bananas	1,843	8.87	632.99	71.36
Guavas	*	*	*	*
Lemons	577	*	*	*
Mangoes	-	-	-	-
Oranges	-	-	-	-
Papayas	558	*	*	*
Pineapples	-	-	-	-
Chat	-	-	-	-
Coffee	*	*	*	*
Hops	2,222	*	*	*
Sugar cane	-	-	-	-

Table 6.9 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Awi

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	171,966	236,551.76	3,012,887.57	
Cereals	170,461	194,898.47	2,741,096.50	
Teff	111,865	67,616.79	528,491.12	7.82
Barley	48,953	11,448.04	119,388.02	10.43
Wheat	29,721	7,643.73	88,888.87	11.63
Maize	163,748	55,706.20	1,386,705.73	24.89
Sorghum	7,498	3,048.54	*	*
Finger millet	73,091	49,345.91	586,701.53	11.89
Oats / 'Aja'	*	*	*	*
Rice	-	-	-	-
Pulses	66,561	14,450.53	142,799.43	
Faba beans	20,847	3,504.27	38,960.27	11.12
Field peas	12,455	1,331.07	*	*
Haricot beans	*	*	*	*
Chick-peas	*	*	*	*
Lentils	-	-	-	-
Grass peas	*	*	*	*
Soya beans	*	*	-	-
Fenugreek	13,008	62.27	284.05	4.56
Gibto	26,653	5,467.01	60,953.58	11.15
Oilseeds	85,083	27,202.76	128,991.64	
Neug	42,558	21,992.23	86,019.96	3.91
Linseed	5,236	1,134.12	2,608.39	2.30
Groundnuts	*	*	*	*
Safflower	*	*	-	-
Sesame	*	*	*	*
Rape seed	44,395	1,956.79	24,132.09	12.33
Vegetables	80,786	3,836.71	57,676.69	
Lettuce	*	*	-	-
Head cabbage	*	*	*	*
Ethiopian cabbage	12,525	46.25	3,637.21	78.64
Tomatoes	*	*	*	*
Green peppers	*	*	*	*
Red peppers	67,102	3,666.46	40,807.66	11.13
Swiss chard	-	-	-	-
Root crops	84,250	3,265.76	56,259.32	
Beetroot	*	*	*	*
Carrot	*	*	*	*
Onion	8,992	*	*	*
Potatoes	49,649	2,841.24	44,437.05	15.64
Garlic	34,936	104.91	7,981.61	76.08
Taro / 'Godere'	-	-	-	-
Sweet potatoes	11,043	*	*	*
Fruit crops	24,607	*	20,323.61	
Avocados	2,795	*	*	*
Bananas	9,624	*	*	*
Guavas	*	*	-	-
Lemons	5,103	20.68	4,036.84	195.21
Mangoes	*	*	-	-
Oranges	12,840	*	*	*
Papayas	*	*	*	*
Pineapples	-	-	-	-
Chat	4,435	*	-	-
Coffee	30,106	430.61	1,507.14	3.50
Hops	70,533	532.44	4,744.05	8.91
Sugar cane	18,140	*	*	*

Table 6.10 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Oromia Zone

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	74,567	56,213.09	787,558.51	
Cereals	74,465	49,551.48	717,795.36	
Teff	26,827	8,919.67	117,197.04	13.14
Barley	5,813	457.18	5,050.05	11.05
Wheat	*	*	*	*
Maize	57,904	5,718.62	85,308.21	14.92
Sorghum	62,106	34,156.74	506,611.00	14.83
Finger millet	2,861	207.64	*	*
Oats / 'Aja'	*	*	*	*
Rice	-	-	-	-
Pulses	26,594	2,785.66	27,213.60	
Faba beans	*	*	*	*
Field peas	*	*	*	*
Haricot beans	21,519	1,497.86	14,066.15	9.39
Chick-peas	2,974	422.04	4,348.87	10.30
Lentils	1,289	*	*	*
Grass peas	*	*	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	-	-
Gibto	*	*	-	-
Oilseeds	35,687	3,875.94	42,549.55	
Neug	3,417	190.79	1,350.10	7.08
Linseed	5,364	94.33	213.05	2.26
Groundnuts	1,277	*	299.68	*
Safflower	9,312	377.76	4,180.48	11.07
Sesame	24,680	3,044.71	35,878.29	11.78
Rape seed	4,538	111.29	*	*
Vegetables	19,057	553.89	11,906.18	
Lettuce	*	*	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	*	*	*	*
Tomatoes	*	*	*	*
Green peppers	*	*	*	*
Red peppers	14,551	280.92	4,902.09	17.45
Swiss chard	-	-	-	-
Root crops	5,700	*	*	
Beetroot	*	*	-	-
Carrot	*	*	-	-
Onion	*	*	*	*
Potatoes	-	-	-	-
Garlic	*	*	*	*
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	*	*
Fruit crops	17,824	160.19	9,934.02	
Avocados	*	*	-	-
Bananas	2,631	17.65	502.17	28.45
Guavas	5,998	38.45	702.04	18.26
Lemons	4,835	*	*	*
Mangoes	2,150	*	-	-
Oranges	2,805	20.96	1,959.07	93.47
Papayas	9,944	24.80	2,868.76	115.68
Pineapples	-	-	-	-
Chat	13,996	*	*	*
Coffee	9,015	264.92	1,088.83	4.11
Hops	*	*	*	*
Sugar cane	*	*	*	*

Table 7 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Oromia Region

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	4,758,023	4,865,726.08	73,839,283.96	
Cereals	4,656,908	3,997,498.88	65,351,113.29	
Teff	2,080,711	1,082,756.17	11,335,912.04	10.47
Barley	1,484,756	477,231.31	6,597,458.67	13.82
Wheat	1,793,957	809,195.61	14,272,862.59	17.64
Maize	3,478,770	948,732.18	22,158,048.20	23.36
Sorghum	1,915,184	563,244.65	9,454,484.94	16.79
Finger millet	436,345	92,253.98	1,252,987.10	13.58
Oats / 'Aja'	193,720	23,921.43	276,832.87	11.57
Rice	7,228	163.54	2,526.88	15.45
Pulses	2,489,148	519,019.90	6,123,383.04	
Faba beans	1,151,269	173,036.83	2,190,092.99	12.66
Field peas	494,523	90,388.85	879,865.09	9.73
Haricot beans	1,102,190	104,103.64	1,117,297.52	10.73
Chick-peas	216,219	57,647.77	792,046.37	13.74
Lentils	296,134	33,723.59	329,920.76	9.78
Grass peas	186,250	45,176.88	674,165.75	14.92
Soya beans	31,636	4,321.84	50,411.08	11.66
Fenugreek	232,233	10,546.55	89,583.47	8.49
Gibto	1,682	*	-	-
Oilseeds	1,358,561	349,207.30	2,364,787.63	
Neug	411,334	137,199.18	780,535.65	5.69
Linseed	555,624	115,248.20	787,731.14	6.84
Groundnuts	167,836	28,529.31	376,554.99	13.20
Safflower	30,342	1,191.55	4,018.60	3.37
Sesame	207,901	55,679.30	323,724.47	5.81
Rape seed	225,940	11,359.77	92,222.78	8.12
Vegetables	1,846,821	37,082.63	1,311,369.47	
Lettuce	27,152	341.64	*	*
Head cabbage	133,258	1,214.77	52,371.08	43.11
Ethiopian cabbage	970,260	8,183.88	479,880.35	58.64
Tomatoes	58,547	*	*	*
Green peppers	573,416	4,324.12	229,180.82	53.00
Red peppers	524,587	18,636.38	239,147.56	12.83
Swiss chard	15,390	28.95	-	-
Root crops	1,819,418	84,234.13	5,756,906.48	
Beetroot	174,784	1,255.24	121,836.21	97.06
Carrot	61,391	516.19	43,332.66	83.95
Onion	337,836	13,280.49	1,052,189.39	79.23
Potatoes	427,826	34,947.22	2,404,313.97	68.80
Garlic	500,956	3,358.31	290,777.25	86.58
Taro / 'Godere'	337,477	8,408.56	575,831.29	68.48
Sweet potatoes	561,353	22,468.12	1,268,625.71	56.46
Fruit crops	1,019,737	16,249.59	1,579,388.95	
Avocados	109,320	1,019.57	71,951.44	70.57
Bananas	659,620	9,047.57	658,975.24	72.83
Guavas	169,018	923.48	16,594.29	17.97
Lemons	38,903	126.61	7,968.10	62.93
Mangoes	280,454	3,011.19	285,311.37	94.75
Oranges	159,243	913.54	152,503.54	166.94
Papayas	198,234	1,191.61	385,258.66	323.31
Pineapples	4,875	*	*	*
Chat	1,267,660	106,276.06	1,153,227.47	10.85
Coffee	1,223,274	194,382.40	1,735,355.54	8.93
Hops	497,586	5,429.84	53,550.81	9.86
Sugar cane	294,829	5,861.02	3,475,488.87	592.98

Table 7.1 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

West Welega

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	236,780	201,308.41	2,909,747.45	
Cereals	235,394	164,801.01	2,696,053.76	
Teff	73,660	21,761.16	110,340.31	5.07
Barley	41,916	2,396.83	29,006.21	12.10
Wheat	32,051	2,909.12	27,805.27	9.56
Maize	230,281	63,763.76	1,453,344.33	22.79
Sorghum	181,344	45,112.15	741,085.85	16.43
Finger millet	102,047	28,817.36	334,429.51	11.61
Oats / 'Aja'	*	*	*	*
Rice	*	*	-	-
Pulses	142,267	12,988.09	120,244.49	
Faba beans	52,009	3,440.15	38,763.18	11.27
Field peas	29,769	2,310.82	15,317.89	6.63
Haricot beans	114,250	6,622.72	58,788.76	8.88
Chick-peas	*	*	*	*
Lentils	-	-	-	-
Grass peas	3,599	76.18	*	*
Soya beans	*	*	*	*
Fenugreek	*	*	*	*
Gibto	*	*	-	-
Oilseeds	107,655	23,519.31	93,449.19	
Neug	71,360	16,573.71	67,297.80	4.06
Linseed	10,353	248.94	437.10	1.76
Groundnuts	6,512	129.22	1,360.46	10.53
Safflower	*	*	-	-
Sesame	25,843	5,597.00	18,365.76	3.28
Rape seed	22,766	961.45	5,988.08	6.23
Vegetables	111,088	1,791.04	31,551.30	
Lettuce	*	*	-	-
Head cabbage	*	*	*	*
Ethiopian cabbage	9,914	83.12	4,108.50	49.43
Tomatoes	*	*	*	*
Green peppers	15,999	*	*	*
Red peppers	90,108	1,453.90	18,144.66	12.48
Swiss chard	-	-	-	-
Root crops	98,877	2,419.00	184,729.72	
Beetroot	1,866	*	*	*
Carrot	2,240	*	*	*
Onion	*	*	*	*
Potatoes	3,000	32.00	1,836.59	57.39
Garlic	11,049	20.69	1,442.75	69.73
Taro / 'Godere'	14,310	181.59	15,231.42	83.88
Sweet potatoes	81,599	2,160.93	164,057.90	75.92
Fruit crops	136,258	2,649.55	261,566.70	
Avocados	16,510	*	*	*
Bananas	105,085	1,576.52	137,551.27	87.25
Guavas	-	-	-	-
Lemons	*	*	*	*
Mangoes	53,132	568.40	64,144.35	112.85
Oranges	32,135	288.26	34,415.76	119.39
Papayas	7,729	33.15	10,859.32	327.58
Pineapples	*	*	-	-
Chat	41,148	1,289.23	14,800.31	11.48
Coffee	169,415	39,127.67	365,843.75	9.35
Hops	31,933	296.53	3,416.01	11.52
Sugar cane	4,480	82.13	59,579.69	725.43

Table 7.2 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

East Welega

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	207,809	291,713.81	4,219,945.98	
Cereals	206,805	227,203.53	3,851,238.56	
Teff	122,396	76,206.54	609,675.23	8.00
Barley	29,202	4,094.91	34,143.19	8.34
Wheat	35,246	6,697.01	77,494.13	11.57
Maize	192,795	79,754.24	2,058,345.58	25.81
Sorghum	101,825	36,112.67	735,296.64	20.36
Finger millet	77,394	24,198.21	335,539.57	13.87
Oats / 'Aja'	*	*	*	*
Rice	-	-	-	-
Pulses	85,706	12,470.48	118,264.36	
Faba beans	61,041	8,071.40	74,970.23	9.29
Field peas	13,222	1,501.18	9,795.97	6.53
Haricot beans	20,891	1,402.67	13,206.81	9.42
Chick-peas	2,631	*	*	*
Lentils	1,826	27.20	*	*
Grass peas	-	-	-	-
Soya beans	*	*	*	*
Fenugreek	*	*	*	*
Gibto	-	-	-	-
Oilseeds	125,900	52,039.81	250,443.06	
Neug	91,302	37,852.84	173,882.64	4.59
Linseed	3,418	*	*	*
Groundnuts	*	*	*	*
Safflower	*	*	*	*
Sesame	41,940	13,288.12	68,865.10	5.18
Rape seed	11,070	312.74	1,226.07	3.92
Vegetables	94,589	1,953.07	52,765.03	
Lettuce	*	*	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	5,515	90.93	7,497.83	82.46
Tomatoes	*	*	-	-
Green peppers	24,971	274.56	23,115.17	84.19
Red peppers	65,049	1,554.53	22,152.02	14.25
Swiss chard	*	*	-	-
Root crops	50,121	984.89	79,129.12	
Beetroot	5,649	11.57	1,010.83	87.37
Carrot	2,570	6.94	817.51	117.80
Onion	5,653	*	*	*
Potatoes	15,211	*	*	*
Garlic	19,705	69.67	6,372.02	91.46
Taro / 'Godere'	2,046	*	*	*
Sweet potatoes	18,337	252.93	25,634.67	101.35
Fruit crops	45,500	951.60	80,968.64	
Avocados	*	*	-	-
Bananas	25,592	278.65	11,878.72	42.63
Guavas	*	*	-	-
Lemons	*	*	*	*
Mangoes	23,392	*	*	*
Oranges	3,003	15.51	3,653.61	235.56
Papayas	4,149	15.09	6,823.48	452.19
Pineapples	-	-	-	-
Chat	14,421	*	*	*
Coffee	37,760	3,415.65	23,567.97	6.90
Hops	28,629	435.23	6,715.57	15.43
Sugar cane	*	*	-	-

Table 7.3 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Illubabor

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	231,614	236,500.76	3,612,026.56	
Cereals	230,728	197,387.75	3,279,042.66	
Teff	122,801	56,953.86	544,050.55	9.55
Barley	41,638	5,390.58	49,974.57	9.27
Wheat	38,058	3,808.54	36,079.26	9.47
Maize	218,282	77,351.67	1,639,767.69	21.20
Sorghum	152,506	43,678.61	819,766.48	18.77
Finger millet	49,649	10,023.42	186,527.82	18.61
Oats / 'Aja'	1,164	76.91	358.35	4.66
Rice	1,997	104.17	2,517.93	24.17
Pulses	139,616	23,655.07	200,556.80	
Faba beans	59,230	7,896.63	73,123.19	9.26
Field peas	33,464	6,944.54	48,630.21	7.00
Haricot beans	87,740	3,779.90	27,301.00	7.22
Chick-peas	14,683	2,722.80	32,896.36	12.08
Lentils	265	1.73	-	-
Grass peas	1,406	155.08	1,452.99	9.37
Soya beans	15,618	1,835.61	16,101.22	8.77
Fenugreek	18,951	317.91	1,051.83	3.31
Gibto	601	0.88	-	-
Oilseeds	70,849	15,457.94	132,427.09	
Neug	35,912	5,982.12	37,948.50	6.34
Linseed	9,911	365.28	1,898.00	5.20
Groundnuts	12,527	617.45	13,636.19	22.08
Safflower	1,710	20.09	35.18	1.75
Sesame	24,687	8,216.74	78,187.26	9.52
Rape seed	7,037	256.26	721.97	2.82
Vegetables	136,585	2,158.03	79,092.41	
Lettuce	298	0.07	2.88	41.14
Head cabbage	20,328	47.62	4,243.70	89.12
Ethiopian cabbage	50,067	183.81	14,483.90	78.80
Tomatoes	1,547	15.03	574.44	38.22
Green peppers	54,552	506.22	29,694.98	58.66
Red peppers	63,159	1,402.91	30,092.51	21.45
Swiss chard	831	2.37	-	-
Root crops	109,757	1,577.47	122,280.94	
Beetroot	26,486	66.34	6,048.94	91.18
Carrot	6,927	7.93	607.73	76.64
Onion	18,548	259.98	16,615.27	63.91
Potatoes	1,785	15.94	1,006.61	63.15
Garlic	22,876	57.33	4,309.16	75.16
Taro / 'Godere'	43,026	432.03	35,331.42	81.78
Sweet potatoes	36,638	737.92	58,361.81	79.09
Fruit crops	79,903	1,049.93	128,592.11	
Avocados	9,011	134.94	5,320.70	39.43
Bananas	49,550	534.45	32,916.80	61.59
Guavas	2,737	16.51	382.10	23.14
Lemons	3,334	9.16	1,076.19	117.49
Mangoes	23,556	187.37	21,969.44	117.25
Oranges	10,323	46.12	7,020.56	152.22
Papayas	20,118	121.39	59,906.33	493.50
Pineapples	-	-	-	-
Chat	62,707	2,054.30	22,823.26	11.11
Coffee	116,448	31,208.89	265,275.61	8.50
Hops	20,426	98.62	1,120.36	11.36
Sugar cane	23,346	277.50	191,217.75	689.07

Table 7.4 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Jimma

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	511,984	463,477.61	6,332,612.88	
Cereals	503,626	407,137.48	5,855,842.30	
Teff	390,292	155,262.71	1,240,854.59	7.99
Barley	149,995	21,551.02	197,137.48	9.15
Wheat	144,359	34,393.66	417,151.21	12.13
Maize	397,780	133,855.69	3,136,980.92	23.44
Sorghum	245,605	55,576.02	790,637.25	14.23
Finger millet	28,873	4,793.57	*	*
Oats / 'Aja'	21,463	*	*	*
Rice	*	*	-	-
Pulses	238,960	35,204.30	341,959.98	
Faba beans	141,969	18,656.48	187,587.19	10.05
Field peas	64,758	12,437.88	133,210.03	10.71
Haricot beans	82,128	1,575.86	8,701.20	5.52
Chick-peas	13,667	1,327.04	7,849.27	5.91
Lentils	31,021	1,120.90	4,337.02	3.87
Grass peas	*	*	-	-
Soya beans	*	*	*	*
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	150,285	21,135.83	134,810.60	
Neug	50,581	14,819.74	103,027.80	6.95
Linseed	82,549	3,236.30	11,020.27	3.41
Groundnuts	7,543	296.43	5,475.79	18.47
Safflower	*	*	-	-
Sesame	7,094	1,959.64	14,120.12	7.21
Rape seed	19,886	*	*	*
Vegetables	329,664	3,287.45	178,855.57	
Lettuce	*	*	-	-
Head cabbage	25,058	58.46	6,233.32	106.63
Ethiopian cabbage	275,720	1,581.65	128,335.12	81.14
Tomatoes	4,328	*	*	*
Green peppers	117,621	323.09	20,542.29	63.58
Red peppers	36,841	*	*	*
Swiss chard	*	*	-	-
Root crops	298,187	9,058.19	602,868.08	
Beetroot	19,271	39.38	4,300.17	109.20
Carrot	2,543	*	*	*
Onion	10,224	*	*	*
Potatoes	33,067	*	*	*
Garlic	44,082	94.96	6,692.93	70.48
Taro / 'Godere'	240,476	7,541.82	511,712.46	67.85
Sweet potatoes	32,411	308.50	-	-
Fruit crops	243,258	3,457.32	359,808.94	
Avocados	39,904	205.18	17,519.95	85.39
Bananas	192,869	2,347.78	183,596.30	78.20
Guavas	40,179	153.28	3,292.50	21.48
Lemons	4,729	*	*	*
Mangoes	75,297	290.19	32,658.23	112.54
Oranges	60,223	258.26	60,610.01	234.69
Papayas	69,935	187.92	61,204.79	325.70
Pineapples	3,987	*	*	*
Chat	310,242	8,607.10	102,940.93	11.96
Coffee	309,034	45,483.61	404,804.19	8.90
Hops	26,568	159.98	1,911.72	11.95
Sugar cane	155,573	1,385.87	1,083,073.82	781.51

Table 7.5 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

West Shewa

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	393,617	540,227.57	9,274,511.16	
Cereals	387,751	438,583.77	7,989,621.13	
Teff	224,646	127,930.65	1,727,621.56	13.50
Barley	173,727	83,633.51	1,342,454.36	16.05
Wheat	221,764	105,853.74	2,291,800.69	21.65
Maize	255,288	59,109.25	1,393,605.05	23.58
Sorghum	132,178	61,179.11	1,222,661.69	19.98
Finger millet	*	*	*	*
Oats / 'Aja'	14,531	853.81	11,202.16	13.12
Rice	*	*	-	-
Pulses	210,874	56,196.30	900,674.71	
Faba beans	162,317	30,083.32	479,713.87	15.95
Field peas	56,005	11,588.22	193,763.62	16.72
Haricot beans	14,761	*	*	*
Chick-peas	21,427	*	*	*
Lentils	31,807	3,930.56	36,279.24	9.23
Grass peas	21,282	5,765.06	110,160.00	19.11
Soya beans	*	*	-	-
Fenugreek	12,900	*	*	*
Gibto	-	-	-	-
Oilseeds	123,674	45,447.50	384,215.32	
Neug	35,132	14,381.21	116,175.66	8.08
Linseed	54,682	16,806.95	158,443.18	9.43
Groundnuts	*	*	-	-
Safflower	*	*	*	*
Sesame	*	*	*	*
Rape seed	42,204	*	*	*
Vegetables	186,460	2,575.57	63,308.15	
Lettuce	*	*	-	-
Head cabbage	14,305	35.68	3,467.13	97.17
Ethiopian cabbage	85,600	581.33	33,682.36	57.94
Tomatoes	*	*	*	*
Green peppers	87,404	482.93	25,890.08	53.61
Red peppers	42,208	1,458.64	-	-
Swiss chard	*	*	-	-
Root crops	202,140	4,844.57	393,544.79	
Beetroot	34,121	107.77	10,991.44	101.99
Carrot	11,096	11.96	1,355.13	113.31
Onion	60,679	397.75	27,472.62	69.07
Potatoes	68,780	3,373.93	284,961.76	84.46
Garlic	134,794	678.08	68,763.84	101.41
Taro / 'Godere'	*	*	-	-
Sweet potatoes	8,961	*	-	-
Fruit crops	28,787	364.66	-	
Avocados	*	*	-	-
Bananas	17,211	*	-	-
Guavas	*	*	-	-
Lemons	*	*	-	-
Mangoes	*	*	-	-
Oranges	*	*	-	-
Papayas	*	*	-	-
Pineapples	-	-	-	-
Chat	25,708	366.94	-	-
Coffee	14,845	283.67	-	-
Hops	138,120	1,172.70	12,653.49	10.79
Sugar cane	10,108	178.45	-	-

Table 7.6 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

North Shewa

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	250,566	358,581.30	3,963,919.79	
Cereals	243,581	291,111.92	3,268,319.77	
Teff	173,138	103,209.64	973,400.93	9.43
Barley	111,967	93,366.28	959,656.46	10.28
Wheat	111,115	43,733.61	619,546.67	14.17
Maize	86,159	4,681.50	51,993.56	11.11
Sorghum	75,474	45,314.89	656,107.67	14.48
Finger millet	-	-	-	-
Oats / 'Aja'	8,301	805.99	7,614.48	9.45
Rice	-	-	-	-
Pulses	149,674	58,960.04	659,638.30	
Faba beans	122,242	34,309.84	357,020.26	10.41
Field peas	35,171	4,093.98	27,524.12	6.72
Haricot beans	4,003	*	*	*
Chick-peas	15,169	3,393.83	43,443.40	12.80
Lentils	35,907	5,520.60	34,448.49	6.24
Grass peas	39,662	11,416.63	195,883.75	17.16
Soya beans	-	-	-	-
Fenugreek	*	*	*	*
Gibto	*	*	-	-
Oilseeds	60,318	8,509.34	35,961.72	
Neug	20,960	3,356.16	16,384.63	4.88
Linseed	28,065	4,787.92	18,336.97	3.83
Groundnuts	-	-	-	-
Safflower	*	*	*	*
Sesame	*	*	*	*
Rape seed	14,368	145.34	*	*
Vegetables	82,013	465.51	22,677.45	
Lettuce	*	*	-	-
Head cabbage	2,292	*	-	-
Ethiopian cabbage	51,943	143.23	12,793.53	89.32
Tomatoes	*	*	-	-
Green peppers	21,997	139.53	8,244.68	59.09
Red peppers	*	*	*	*
Swiss chard	*	*	-	-
Root crops	99,996	996.05	76,702.30	
Beetroot	8,445	*	*	*
Carrot	3,738	*	-	-
Onion	12,461	*	*	*
Potatoes	9,099	*	-	-
Garlic	88,606	435.39	44,179.06	101.47
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	-	-
Fruit crops	*	*	*	
Avocados	-	-	-	-
Bananas	*	*	*	*
Guavas	-	-	-	-
Lemons	1,503	6.30	312.41	49.59
Mangoes	-	-	-	-
Oranges	*	*	-	-
Papayas	*	*	*	*
Pineapples	-	-	-	-
Chat	*	*	*	*
Coffee	*	*	*	*
Hops	35,315	180.07	2,166.19	12.03
Sugar cane	*	*	*	*

Table 7.7 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

East Shewa

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	264,055	421,622.48	7,918,711.48	
Cereals	258,436	354,897.96	7,071,907.51	
Teff	181,240	177,958.75	2,637,572.01	14.82
Barley	61,788	12,595.15	220,142.86	17.48
Wheat	135,969	82,324.60	1,923,904.30	23.37
Maize	185,758	75,392.29	2,151,302.49	28.53
Sorghum	28,622	6,388.42	137,203.43	21.48
Finger millet	*	*	-	-
Oats / 'Aja'	2,811	*	*	*
Rice	*	*	-	-
Pulses	153,064	66,041.83	844,948.61	
Faba beans	65,054	7,031.24	84,492.19	12.02
Field peas	32,714	9,165.25	75,710.23	8.26
Haricot beans	85,642	19,604.28	239,430.54	12.21
Chick-peas	32,658	14,435.91	213,160.23	14.77
Lentils	40,754	10,617.25	148,797.80	14.01
Grass peas	28,286	5,004.68	82,246.92	16.43
Soya beans	-	-	-	-
Fenugreek	4,591	183.23	1,110.71	6.06
Gibto	-	-	-	-
Oilseeds	20,648	682.70	1,855.35	
Neug	*	*	-	-
Linseed	5,747	268.79	*	*
Groundnuts	-	-	-	-
Safflower	*	*	-	-
Sesame	-	-	-	-
Rape seed	9,151	156.83	590.21	3.76
Vegetables	46,984	1,318.48	96,308.04	
Lettuce	1,343	*	-	-
Head cabbage	*	*	*	*
Ethiopian cabbage	21,037	205.00	15,354.79	74.90
Tomatoes	4,552	*	*	*
Green peppers	17,833	193.25	13,403.87	69.36
Red peppers	8,395	*	*	*
Swiss chard	*	*	-	-
Root crops	33,951	1,677.51	166,707.52	
Beetroot	3,864	*	*	*
Carrot	*	*	*	*
Onion	16,566	777.40	81,090.59	104.31
Potatoes	6,152	*	*	*
Garlic	14,941	85.91	8,793.84	102.36
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	*	*
Fruit crops	1,922	*	*	
Avocados	*	*	*	*
Bananas	*	*	*	*
Guavas	-	-	-	-
Lemons	-	-	-	-
Mangoes	-	-	-	-
Oranges	-	-	-	-
Papayas	*	*	*	*
Pineapples	-	-	-	-
Chat	*	*	*	*
Coffee	*	*	-	-
Hops	32,373	876.26	6,072.49	6.93
Sugar cane	*	*	*	*

Table 7.8 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Arsi

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	491,693	516,656.34	7,281,889.25	
Cereals	477,064	415,300.48	6,383,387.36	
Teff	207,776	81,358.28	608,133.43	7.47
Barley	208,991	67,230.84	987,061.19	14.68
Wheat	316,150	171,814.96	2,885,066.81	16.79
Maize	309,537	64,522.65	1,279,767.68	19.83
Sorghum	103,620	27,170.91	584,950.88	21.53
Finger millet	*	*	-	-
Oats / 'Aja'	36,315	3,109.51	38,407.36	12.35
Rice	*	*	-	-
Pulses	268,067	51,738.62	621,895.43	
Faba beans	141,398	22,715.09	317,656.50	13.98
Field peas	69,270	12,263.54	130,217.31	10.62
Haricot beans	91,075	9,552.87	114,142.87	11.95
Chick-peas	10,022	1,127.93	12,950.77	11.48
Lentils	37,263	1,748.18	8,430.54	4.82
Grass peas	*	*	*	*
Soya beans	*	*	*	*
Fenugreek	27,230	1,210.68	12,162.71	10.05
Gibto	-	-	-	-
Oilseeds	155,144	49,617.24	276,606.46	
Neug	18,612	*	*	*
Linseed	119,944	44,230.48	237,751.52	5.38
Groundnuts	*	*	*	*
Safflower	*	*	*	*
Sesame	*	*	-	-
Rape seed	27,150	2,669.80	26,974.93	10.10
Vegetables	129,011	7,199.51	*	
Lettuce	*	*	-	-
Head cabbage	5,256	*	-	-
Ethiopian cabbage	46,166	436.94	13,650.03	31.24
Tomatoes	*	*	*	*
Green peppers	38,623	330.01	16,341.93	49.52
Red peppers	42,805	2,771.06	37,963.58	13.70
Swiss chard	*	*	-	-
Root crops	136,631	10,595.33	772,952.37	
Beetroot	11,266	*	*	*
Carrot	8,562	*	*	*
Onion	71,451	7,552.06	550,167.25	72.85
Potatoes	26,779	*	*	*
Garlic	42,993	696.42	72,177.42	103.64
Taro / 'Godere'	*	*	-	-
Sweet potatoes	9,357	*	*	*
Fruit crops	30,007	347.13	*	
Avocados	*	*	-	-
Bananas	17,054	143.61	5,632.20	39.22
Guavas	8,224	*	-	-
Lemons	-	-	-	-
Mangoes	2,219	*	-	-
Oranges	9,404	*	*	*
Papayas	9,490	*	*	*
Pineapples	-	-	-	-
Chat	42,458	3,251.65	40,255.43	12.38
Coffee	45,294	*	*	*
Hops	51,533	662.17	3,840.60	5.80
Sugar cane	13,910	979.94	295,471.71	301.52

Table 7.9 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

West Harerge

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	323,433	206,301.94	3,010,415.32	
Cereals	321,443	175,696.94	2,636,553.98	
Teff	77,311	15,123.55	139,259.87	9.21
Barley	99,621	9,373.32	103,999.80	11.10
Wheat	53,040	5,492.83	81,615.80	14.86
Maize	283,251	65,754.52	1,154,816.92	17.56
Sorghum	243,646	78,047.69	1,138,555.16	14.59
Finger millet	28,065	1,645.35	14,358.06	8.73
Oats / 'Aja'	6,592	259.68	3,948.38	15.20
Rice	-	-	-	-
Pulses	176,711	21,631.15	317,849.68	
Faba beans	23,287	*	*	*
Field peas	6,962	*	*	*
Haricot beans	143,158	13,991.29	189,477.27	13.54
Chick-peas	15,570	1,447.74	*	*
Lentils	20,403	1,339.81	*	*
Grass peas	*	*	-	-
Soya beans	-	-	-	-
Fenugreek	29,503	974.72	7,037.51	7.22
Gibto	-	-	-	-
Oilseeds	107,766	8,973.85	56,011.66	
Neug	*	28.91	-	-
Linseed	47,751	1,654.32	7,744.87	4.68
Groundnuts	38,878	3,515.92	28,643.36	8.15
Safflower	*	*	*	*
Sesame	38,917	3,693.42	19,016.98	5.15
Rape seed	*	*	*	*
Vegetables	83,058	*	*	
Lettuce	*	21.75	-	-
Head cabbage	*	*	*	*
Ethiopian cabbage	*	*	*	*
Tomatoes	15,984	235.52	-	-
Green peppers	26,113	190.90	8,258.35	43.26
Red peppers	42,590	*	*	*
Swiss chard	-	-	-	-
Root crops	117,301	5,493.99	254,203.49	
Beetroot	9,931	*	*	*
Carrot	*	*	-	-
Onion	45,914	1,883.41	198,379.12	105.33
Potatoes	9,570	*	*	*
Garlic	3,574	*	*	*
Taro / 'Godere'	-	-	-	-
Sweet potatoes	77,062	3,305.56	38,509.83	11.65
Fruit crops	104,670	1,021.84	102,178.76	
Avocados	2,958	*	*	*
Bananas	46,272	518.50	37,948.93	73.19
Guavas	51,330	239.05	4,718.82	19.74
Lemons	8,437	15.20	831.12	54.68
Mangoes	14,270	49.01	4,759.47	97.11
Oranges	15,635	52.17	6,089.42	116.72
Papayas	35,697	139.44	47,649.99	341.72
Pineapples	-	-	-	-
Chat	212,409	27,330.24	248,705.17	9.10
Coffee	138,513	13,966.23	140,081.32	10.03
Hops	13,644	208.81	1,023.17	4.90
Sugar cane	12,132	293.29	184,025.16	627.45

Table 7.10 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

East Harerge

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	496,045	242,859.08	3,814,784.62	
Cereals	495,420	200,049.78	3,258,265.08	
Teff	43,551	5,386.87	39,143.10	7.27
Barley	100,887	5,759.93	69,740.18	12.11
Wheat	122,788	20,213.44	246,480.87	12.19
Maize	412,314	62,368.59	1,325,885.56	21.26
Sorghum	397,357	104,934.29	1,565,512.73	14.92
Finger millet	*	*	-	-
Oats / 'Aja'	22,860	1,050.76	11,502.64	10.95
Rice	*	*	-	-
Pulses	239,344	17,160.10	231,818.48	
Faba beans	26,171	1,429.26	19,649.19	13.75
Field peas	*	*	*	*
Haricot beans	178,239	11,194.29	172,919.81	15.45
Chick-peas	4,157	*	*	*
Lentils	41,404	1,564.44	14,052.13	8.98
Grass peas	*	*	-	-
Soya beans	-	-	-	-
Fenugreek	74,523	1,480.64	10,613.11	7.17
Gibto	-	-	-	-
Oilseeds	157,607	25,649.20	324,701.06	
Neug	-	-	-	-
Linseed	79,523	2,882.78	21,216.66	7.36
Groundnuts	80,924	21,615.94	297,037.21	13.74
Safflower	-	-	-	-
Sesame	11,667	*	*	*
Rape seed	-	-	-	-
Vegetables	48,730	740.44	39,962.61	
Lettuce	*	*	*	*
Head cabbage	*	*	*	*
Ethiopian cabbage	*	*	*	*
Tomatoes	9,839	92.36	6,588.23	71.33
Green peppers	18,377	*	*	*
Red peppers	14,992	107.76	889.05	8.25
Swiss chard	*	*	-	-
Root crops	280,874	20,633.29	1,496,634.27	
Beetroot	*	*	*	*
Carrot	*	*	*	*
Onion	43,014	1,165.89	97,456.74	83.59
Potatoes	89,824	6,424.92	547,210.14	85.17
Garlic	13,853	330.78	26,267.14	79.41
Taro / 'Godere'	-	-	-	-
Sweet potatoes	212,684	12,207.63	779,457.45	63.85
Fruit crops	143,205	1,705.45	145,694.25	
Avocados	*	*	-	-
Bananas	60,530	328.09	23,576.29	71.86
Guavas	56,818	340.10	5,914.37	17.39
Lemons	7,196	*	*	*
Mangoes	45,814	832.77	76,490.14	91.85
Oranges	6,002	*	*	*
Papayas	18,632	133.94	33,942.53	253.42
Pineapples	-	-	-	-
Chat	435,706	53,214.28	634,846.37	11.93
Coffee	106,353	4,741.66	35,040.88	7.39
Hops	*	*	-	-
Sugar cane	8,007	*	*	*

Table 7.11 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Bale

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	253,276	324,300.92	4,998,481.04	
Cereals	245,540	267,575.80	4,536,164.01	
Teff	49,394	16,928.26	157,728.44	9.32
Barley	116,963	59,523.59	1,079,401.10	18.13
Wheat	169,542	141,674.02	2,567,106.24	18.12
Maize	111,902	28,118.31	558,833.02	19.87
Sorghum	17,349	*	-	-
Finger millet	-	-	-	-
Oats / 'Aja'	64,970	14,202.09	173,095.21	12.19
Rice	-	-	-	-
Pulses	95,334	25,993.12	202,626.71	
Faba beans	32,031	5,588.70	59,815.38	10.70
Field peas	42,332	11,562.41	69,358.92	6.00
Haricot beans	13,886	1,095.03	10,234.11	9.35
Chick-peas	6,296	*	*	*
Lentils	19,220	1,547.59	9,136.47	5.90
Grass peas	*	*	*	*
Soya beans	-	-	-	-
Fenugreek	24,156	4,999.94	50,831.91	10.17
Gibto	-	-	-	-
Oilseeds	67,573	30,732.00	259,690.33	
Neug	*	*	*	*
Linseed	64,036	30,152.27	258,381.66	8.57
Groundnuts	-	-	-	-
Safflower	*	*	*	*
Sesame	*	*	-	-
Rape seed	*	*	-	-
Vegetables	36,671	*	53,350.12	
Lettuce	*	*	-	-
Head cabbage	3,298	*	*	*
Ethiopian cabbage	18,069	232.80	14,382.30	61.78
Tomatoes	*	*	*	*
Green peppers	7,914	*	*	*
Red peppers	*	*	*	*
Swiss chard	-	-	-	-
Root crops	39,501	2,297.94	155,096.19	
Beetroot	4,294	18.50	1,207.18	65.25
Carrot	1,858	*	*	*
Onion	14,398	392.32	23,236.92	59.23
Potatoes	15,645	*	*	*
Garlic	6,349	*	*	*
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	*	*
Fruit crops	19,925	941.00	123,337.22	
Avocados	1,549	*	-	-
Bananas	10,434	427.52	31,251.91	73.10
Guavas	*	*	*	*
Lemons	-	-	-	-
Mangoes	4,011	*	*	*
Oranges	*	*	*	*
Papayas	*	*	*	*
Pineapples	-	-	-	-
Chat	30,183	4,916.35	33,922.79	6.90
Coffee	21,435	*	*	*
Hops	7,863	145.48	1,243.90	8.55
Sugar cane	*	*	*	*

Table 7.12 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Borena

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	105,873	40,066.83	433,319.01	
Cereals	84,172	22,585.67	347,316.47	
Teff	17,173	3,029.79	25,651.81	8.47
Barley	12,263	1,174.33	4,581.72	3.90
Wheat	10,733	1,278.44	17,785.33	13.91
Maize	62,344	12,175.99	285,247.92	23.43
Sorghum	12,068	*	*	*
Finger millet	-	-	-	-
Oats / 'Aja'	*	*	-	-
Rice	-	-	-	-
Pulses	74,073	17,466.99	85,980.34	
Faba beans	7,779	*	3,759.44	*
Field peas	*	*	*	*
Haricot beans	71,225	16,609.00	81,192.19	4.89
Chick-peas	1,235	*	*	*
Lentils	*	*	-	-
Grass peas	-	-	-	-
Soya beans	*	*	*	*
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	*	*	*	
Neug	-	-	-	-
Linseed	-	-	-	-
Groundnuts	-	-	-	-
Safflower	-	-	-	-
Sesame	-	-	-	-
Rape seed	*	*	*	*
Vegetables	37,914	573.07	31,196.43	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	34,720	469.66	26,042.89	55.45
Tomatoes	1,162	*	*	*
Green peppers	7,756	73.00	4,962.40	67.98
Red peppers	*	*	*	*
Swiss chard	-	-	-	-
Root crops	20,949	*	*	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	-	-	-	-
Potatoes	*	*	*	*
Garlic	*	*	*	*
Taro / 'Godere'	*	*	*	*
Sweet potatoes	15,119	*	*	*
Fruit crops	37,343	1,162.13	81,807.59	
Avocados	14,987	123.06	9,253.23	75.19
Bananas	25,357	831.30	45,413.91	54.63
Guavas	*	*	*	*
Lemons	1,403	*	-	-
Mangoes	*	*	-	-
Oranges	2,948	*	*	*
Papayas	6,693	*	*	*
Pineapples	*	*	-	-
Chat	13,671	*	*	*
Coffee	67,138	12,595.49	127,340.45	10.11
Hops	*	*	*	*
Sugar cane	14,419	464.64	275,746.55	593.46

Table 7.13 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

South West Shewa

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	196,353	284,307.65	4,012,526.35	
Cereals	192,909	220,791.75	3,150,204.84	
Teff	151,940	133,731.73	1,579,789.34	11.81
Barley	49,034	14,221.43	199,133.86	14.00
Wheat	121,185	48,646.26	855,329.60	17.58
Maize	129,240	19,135.87	433,241.98	22.64
Sorghum	32,153	4,741.67	80,726.09	17.02
Finger millet	*	*	-	-
Oats / 'Aja'	3,017	272.51	1,983.96	7.28
Rice	*	*	-	-
Pulses	141,641	56,158.32	816,954.38	
Faba beans	77,933	8,113.43	135,352.73	16.68
Field peas	22,938	4,107.58	50,800.57	12.37
Haricot beans	16,229	*	*	*
Chick-peas	66,646	25,544.68	369,798.76	14.48
Lentils	29,460	5,554.14	66,262.39	11.93
Grass peas	53,998	11,148.22	172,684.22	15.49
Soya beans	-	-	-	-
Fenugreek	5,082	*	*	*
Gibto	-	-	-	-
Oilseeds	39,137	7,357.59	45,367.13	
Neug	15,198	4,597.06	*	*
Linseed	11,950	2,401.51	15,996.47	6.66
Groundnuts	*	*	-	-
Safflower	*	*	-	-
Sesame	*	*	*	*
Rape seed	13,477	159.76	1,610.55	10.08
Vegetables	104,584	*	30,106.18	
Lettuce	*	*	-	-
Head cabbage	13,544	25.52	1,049.77	41.14
Ethiopian cabbage	80,185	395.38	28,329.23	71.65
Tomatoes	3,951	*	*	*
Green peppers	51,749	139.62	-	-
Red peppers	*	*	-	-
Swiss chard	*	*	-	-
Root crops	62,681	696.09	16,644.29	
Beetroot	16,576	18.31	1,967.95	107.48
Carrot	3,528	2.75	267.09	97.12
Onion	8,792	*	*	*
Potatoes	22,742	323.78	8,146.42	25.16
Garlic	29,004	63.81	2,500.81	39.19
Taro / 'Godere'	*	*	-	-
Sweet potatoes	*	*	-	-
Fruit crops	20,620	93.33	5,990.08	
Avocados	*	5.10	-	-
Bananas	11,915	38.41	1,688.09	43.95
Guavas	993	*	-	-
Lemons	2,794	4.12	287.09	69.68
Mangoes	1,497	*	-	-
Oranges	3,918	*	-	-
Papayas	4,277	*	*	*
Pineapples	-	-	-	-
Chat	31,815	1,447.79	15,998.13	11.05
Coffee	16,332	160.46	1,091.14	6.80
Hops	48,821	270.60	3,152.44	11.65
Sugar cane	12,792	45.36	25,592.28	564.20

Table 7.14 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Guji

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	188,918	93,873.34	1,235,684.18	
Cereals	176,646	79,870.85	1,117,575.14	
Teff	41,289	14,323.80	127,217.58	8.88
Barley	87,801	22,917.83	275,120.66	12.00
Wheat	54,558	15,684.29	190,811.53	12.17
Maize	130,461	26,579.48	524,425.38	19.73
Sorghum	*	*	-	-
Finger millet	*	*	-	-
Oats / 'Aja'	*	*	-	-
Rice	-	-	-	-
Pulses	99,444	13,945.65	117,816.87	
Faba beans	56,669	4,317.46	48,970.19	11.34
Field peas	30,380	4,719.10	33,733.82	7.15
Haricot beans	35,063	3,638.05	26,898.96	7.39
Chick-peas	*	*	*	*
Lentils	1,258	*	-	-
Grass peas	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	*	*
Gibto	-	-	-	-
Oilseeds	6,463	56.84	*	
Neug	-	-	-	-
Linseed	3,116	*	*	*
Groundnuts	*	*	-	-
Safflower	*	*	-	-
Sesame	-	-	-	-
Rape seed	3,343	*	*	*
Vegetables	124,371	2,264.88	128,169.84	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	119,173	2,007.53	128,160.93	63.84
Tomatoes	*	*	*	*
Green peppers	20,411	168.04	-	-
Red peppers	*	*	-	-
Swiss chard	-	-	-	-
Root crops	33,732	682.21	20,752.08	
Beetroot	*	*	-	-
Carrot	*	*	-	-
Onion	*	*	-	-
Potatoes	9,242	221.62	20,752.08	93.64
Garlic	3,437	*	-	-
Taro / 'Godere'	*	*	-	-
Sweet potatoes	16,762	371.12	-	-
Fruit crops	35,672	1,323.72	114,254.23	
Avocados	10,939	*	*	*
Bananas	25,999	965.76	86,058.81	89.11
Guavas	*	*	*	*
Lemons	-	-	-	-
Mangoes	-	-	-	-
Oranges	1,845	*	-	-
Papayas	*	*	*	*
Pineapples	-	-	-	-
Chat	7,541	379.50	4,060.69	10.70
Coffee	66,211	12,593.19	104,523.46	8.30
Hops	2,655	38.41	418.68	10.90
Sugar cane	17,616	943.00	669,093.65	709.54

Table 7.15 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Kelem

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	147,772	130,632.51	2,506,034.37	
Cereals	147,173	110,839.30	2,315,472.02	
Teff	48,967	10,797.67	95,833.33	8.88
Barley	34,322	2,680.39	21,840.80	8.15
Wheat	42,957	7,273.31	79,186.79	10.89
Maize	142,863	44,771.18	1,186,634.96	26.50
Sorghum	113,188	29,128.27	637,005.49	21.87
Finger millet	87,617	16,164.55	294,857.06	18.24
Oats / 'Aja'	864	23.07	113.59	4.92
Rice	*	*	-	-
Pulses	91,103	11,672.38	131,977.90	
Faba beans	42,746	4,349.78	66,066.72	15.19
Field peas	12,778	1,044.43	11,366.63	10.88
Haricot beans	66,946	4,857.49	46,506.68	9.57
Chick-peas	5,911	1,170.98	6,572.14	5.61
Lentils	1,230	34.01	166.41	4.89
Grass peas	979	30.42	285.65	9.39
Soya beans	707	33.68	160.51	4.77
Fenugreek	5,764	151.60	853.15	5.63
Gibto	-	-	-	-
Oilseeds	41,580	8,120.83	58,584.46	
Neug	15,405	2,695.03	40,412.61	15.00
Linseed	9,802	550.32	1,828.70	3.32
Groundnuts	3,569	82.03	966.77	11.79
Safflower	2,059	29.35	-	-
Sesame	13,186	4,419.58	12,499.36	2.83
Rape seed	8,287	344.51	2,877.01	8.35
Vegetables	70,043	1,364.52	26,685.38	
Lettuce	423	0.22	-	-
Head cabbage	6,141	39.61	3,263.88	82.40
Ethiopian cabbage	3,216	27.97	1,547.53	55.33
Tomatoes	326	0.77	16.98	22.05
Green peppers	6,584	112.26	4,326.45	38.54
Red peppers	61,807	1,182.90	17,530.55	14.82
Swiss chard	1,033	0.80	-	-
Root crops	52,049	888.00	69,853.06	
Beetroot	3,996	23.04	2,528.32	109.74
Carrot	1,006	3.16	201.70	63.83
Onion	3,291	34.23	2,537.11	74.12
Potatoes	2,965	99.13	6,120.13	61.74
Garlic	8,571	32.06	2,250.73	70.20
Taro / 'Godere'	16,945	94.61	8,361.52	88.38
Sweet potatoes	29,450	601.78	47,853.55	79.52
Fruit crops	66,294	898.15	93,309.97	
Avocados	428	0.90	75.72	84.13
Bananas	53,768	665.39	56,737.78	85.27
Guavas	*	*	*	*
Lemons	315	2.21	224.00	101.36
Mangoes	21,645	182.65	21,433.54	117.35
Oranges	3,323	17.28	3,900.27	225.71
Papayas	6,703	29.70	10,938.40	368.30
Pineapples	-	-	-	-
Chat	27,320	834.25	5,405.92	6.48
Coffee	92,253	16,902.11	172,401.54	10.20
Hops	13,519	72.81	899.20	12.35
Sugar cane	6,494	98.27	70,015.68	712.48

Table 7.16 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Horoguduru

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	108,495	201,127.78	2,866,602.38	
Cereals	108,065	141,743.72	2,444,651.89	
Teff	70,413	51,163.78	442,280.38	8.64
Barley	37,031	12,335.83	161,927.08	13.13
Wheat	63,620	29,989.34	448,238.13	14.95
Maize	93,972	37,976.25	1,126,817.13	29.67
Sorghum	17,535	8,620.29	231,665.04	26.87
Finger millet	4,761	1,506.00	32,867.51	21.82
Oats / 'Aja'	3,037	150.96	847.68	5.62
Rice	*	*	*	*
Pulses	62,609	16,864.07	172,879.25	
Faba beans	51,010	10,332.81	115,319.32	11.16
Field peas	22,463	6,075.60	53,156.42	8.75
Haricot beans	2,613	201.09	3,185.37	15.84
Chick-peas	496	32.60	103.36	3.17
Lentils	444	18.74	114.33	6.10
Grass peas	*	*	-	-
Soya beans	166	*	*	*
Fenugreek	14,773	175.86	431.76	2.46
Gibto	-	-	-	-
Oilseeds	73,327	42,520.00	249,071.24	
Neug	50,907	34,127.13	185,275.01	5.43
Linseed	3,771	457.24	1,305.73	2.86
Groundnuts	6,987	1,520.50	23,052.94	15.16
Safflower	328	62.62	153.73	2.45
Sesame	12,790	4,265.05	25,194.39	5.91
Rape seed	25,462	2,087.47	14,089.44	6.75
Vegetables	41,284	728.54	40,209.99	
Lettuce	-	-	-	-
Head cabbage	4,117	26.02	-	-
Ethiopian cabbage	603	3.46	264.10	76.33
Tomatoes	101	*	-	-
Green peppers	24,522	467.42	37,118.02	79.41
Red peppers	15,027	227.14	2,827.88	12.45
Swiss chard	307	3.10	-	-
Root crops	52,338	630.37	49,115.68	
Beetroot	7,765	18.06	1,441.92	79.84
Carrot	3,007	3.39	358.72	105.82
Onion	11,799	59.31	4,494.86	75.79
Potatoes	5,387	89.44	7,531.74	84.21
Garlic	38,993	311.53	21,040.47	67.54
Taro / 'Godere'	-	-	-	-
Sweet potatoes	6,020	148.65	14,247.97	95.85
Fruit crops	8,137	112.15	6,070.40	
Avocados	*	*	-	-
Bananas	5,044	71.38	2,593.25	36.33
Guavas	-	-	-	-
Lemons	569	0.68	77.05	113.31
Mangoes	3,117	37.28	2,654.22	71.20
Oranges	697	1.82	388.48	213.45
Papayas	528	0.95	357.40	376.21
Pineapples	-	-	-	-
Chat	7,967	80.76	924.67	11.45
Coffee	4,609	267.14	1,682.96	6.30
Hops	35,293	637.42	7,986.89	12.53
Sugar cane	2,176	95.75	-	-

Table 7.17 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

West Arsi

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	349,741	312,167.74	5,448,072.16	
Cereals	342,154	281,921.19	5,149,496.81	
Teff	84,726	31,629.12	277,359.58	8.77
Barley	127,610	58,985.55	862,137.15	14.62
Wheat	120,821	87,408.45	1,507,459.97	17.25
Maize	236,541	93,420.95	2,397,038.04	25.66
Sorghum	60,338	4,969.12	99,260.84	19.98
Finger millet	51,960	4,518.40	-	-
Oats / 'Aja'	3,806	989.60	6,241.23	6.31
Rice	-	-	-	-
Pulses	120,663	20,873.40	237,296.77	
Faba beans	28,384	2,823.96	41,477.85	14.69
Field peas	8,143	988.29	*	*
Haricot beans	74,341	7,834.42	94,856.96	12.11
Chick-peas	*	*	*	*
Lentils	3,064	*	*	*
Grass peas	*	*	*	*
Soya beans	-	-	-	-
Fenugreek	*	*	*	*
Gibto	-	-	-	-
Oilseeds	49,428	9,373.16	61,278.57	
Neug	*	*	*	*
Linseed	21,008	7,078.01	51,259.89	7.24
Groundnuts	-	-	-	-
Safflower	-	-	-	-
Sesame	13,452	1,204.16	-	-
Rape seed	17,782	*	*	*
Vegetables	183,772	2,829.26	66,595.64	
Lettuce	*	*	-	-
Head cabbage	11,022	*	-	-
Ethiopian cabbage	166,676	1,737.07	51,104.54	29.42
Tomatoes	-	-	-	-
Green peppers	30,990	255.31	9,581.74	37.53
Red peppers	*	*	*	*
Swiss chard	*	*	-	-
Root crops	130,334	19,821.27	1,213,247.40	
Beetroot	12,899	*	*	*
Carrot	1,742	*	*	*
Onion	*	*	*	*
Potatoes	107,452	19,262.78	1,171,562.50	60.82
Garlic	17,730	*	*	*
Taro / 'Godere'	-	-	-	-
Sweet potatoes	5,607	29.56	1,371.06	46.38
Fruit crops	13,199	*	*	
Avocados	*	*	-	-
Bananas	*	*	*	*
Guavas	*	*	-	-
Lemons	-	-	-	-
Mangoes	*	*	-	-
Oranges	-	-	-	-
Papayas	*	*	*	*
Pineapples	-	-	-	-
Chat	*	*	*	*
Coffee	*	*	*	*
Hops	2,992	*	*	*
Sugar cane	*	*	*	*

Table 8 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Somali Region

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	98,510	73,683.03	431,778.24	
Cereals	98,111	72,797.09	430,854.70	
Teff	-	-	-	-
Barley	14,802	3,316.32	9,500.19	2.86
Wheat	28,472	7,965.66	35,520.99	4.46
Maize	89,331	37,019.20	236,273.64	6.38
Sorghum	60,671	24,414.92	149,346.82	6.12
Finger millet	*	-	-	-
Oats / 'Aja'	845	*	*	*
Rice	-	-	-	-
Pulses	8,757	807.42	894.18	
Faba beans	*	*	-	-
Field peas	*	*	*	*
Haricot beans	7,696	741.28	823.21	1.11
Chick-peas	*	*	*	*
Lentils	*	*	*	*
Grass peas	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	*	*
Gibto	-	-	-	-
Oilseeds	2,751	78.53	29.36	
Neug	-	-	-	-
Linseed	2,313	67.43	28.58	0.42
Groundnuts	-	-	-	-
Safflower	*	*	-	-
Sesame	*	*	0.77	*
Rape seed	-	-	-	-
Vegetables	2,802	84.97	692.82	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	*	*	-	-
Tomatoes	2,434	74.48	552.15	7.41
Green peppers	396	6.28	140.67	22.40
Red peppers	*	*	-	-
Swiss chard	-	-	-	-
Root crops	*	*	*	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	*	*	*	*
Potatoes	*	*	-	-
Garlic	*	*	*	*
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	1,492.52	*
Fruit crops	4,028	272.07	4,854.31	
Avocados	-	-	-	-
Bananas	1,567	103.86	-	-
Guavas	750	*	*	*
Lemons	1,743	58.01	1,790.07	30.86
Mangoes	946	17.11	1,668.59	97.52
Oranges	1,017	84.76	-	-
Papayas	1,280	4.70	*	*
Pineapples	-	-	-	-
Chat	27,585	7,895.57	28,673.69	3.63
Coffee	*	*	-	-
Hops	-	-	-	-
Sugar cane	15	2.92	-	-

Table 8.1 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Shinele

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	2,845	961.85	7,074.06	
Cereals	2,845	960.93	7,072.40	
Teff	-	-	-	-
Barley	-	-	-	-
Wheat	-	-	-	-
Maize	1,399	201.62	1,921.07	9.53
Sorghum	2,473	759.30	5,151.33	6.78
Finger millet	-	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	40	0.37	0.88	
Faba beans	-	-	-	-
Field peas	-	-	-	-
Haricot beans	40	0.37	0.88	2.38
Chick-peas	-	-	-	-
Lentils	-	-	-	-
Grass peas	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	53	0.55	0.77	
Neug	-	-	-	-
Linseed	-	-	-	-
Groundnuts	-	-	-	-
Safflower	-	-	-	-
Sesame	53	0.55	0.77	1.40
Rape seed	-	-	-	-
Vegetables	305	10.16	672.17	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	-	-	-	-
Tomatoes	264	7.78	531.49	68.31
Green peppers	148	2.37	140.67	59.35
Red peppers	-	-	-	-
Swiss chard	-	-	-	-
Root crops	558	25.71	1,884.76	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	124	4.93	392.23	79.56
Potatoes	-	-	-	-
Garlic	-	-	-	-
Taro / 'Godere'	-	-	-	-
Sweet potatoes	450	20.78	1,492.52	71.82
Fruit crops	1,796	188.38	2,589.20	
Avocados	-	-	-	-
Bananas	541	31.55	-	-
Guavas	253	1.47	-	-
Lemons	1,504	52.49	920.61	17.54
Mangoes	946	17.11	1,668.59	97.52
Oranges	1,017	84.76	-	-
Papayas	146	1.00	-	-
Pineapples	-	-	-	-
Chat	998	111.09	960.94	8.65
Coffee	248	4.42	-	-
Hops	-	-	-	-
Sugar cane	15	2.92	-	-

Table 8.2 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Jijiga

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	77,580	64,799.14	415,996.37	
Cereals	77,580	64,536.70	415,074.49	
Teff	-	-	-	-
Barley	14,802	3,316.32	9,500.19	2.86
Wheat	27,960	7,844.19	35,520.99	4.53
Maize	70,307	29,950.11	234,352.57	7.82
Sorghum	56,945	23,345.10	135,487.67	5.80
Finger millet	-	-	-	-
Oats / 'Aja'	845	*	*	*
Rice	-	-	-	-
Pulses	2,488	189.56	893.30	
Faba beans	*	*	-	-
Field peas	*	*	*	*
Haricot beans	1,427	125.63	822.32	6.55
Chick-peas	*	*	*	*
Lentils	*	*	*	*
Grass peas	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	*	*
Gibto	-	-	-	-
Oilseeds	2,639	72.88	28.58	
Neug	-	-	-	-
Linseed	2,313	67.43	28.58	0.42
Groundnuts	-	-	-	-
Safflower	*	*	-	-
Sesame	*	*	-	-
Rape seed	-	-	-	-
Vegetables	2,188	68.63	-	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	*	*	-	-
Tomatoes	1,861	61.92	-	-
Green peppers	*	*	-	-
Red peppers	*	*	-	-
Swiss chard	-	-	-	-
Root crops	*	*	*	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	*	*	*	*
Potatoes	*	*	-	-
Garlic	*	*	*	*
Taro / 'Godere'	-	-	-	-
Sweet potatoes	*	*	-	-
Fruit crops	*	*	-	
Avocados	-	-	-	-
Bananas	*	*	-	-
Guavas	-	-	-	-
Lemons	-	-	-	-
Mangoes	-	-	-	-
Oranges	-	-	-	-
Papayas	-	-	-	-
Pineapples	-	-	-	-
Chat	26,587	7,784.48	27,712.76	3.56
Coffee	*	*	-	-
Hops	-	-	-	-
Sugar cane	-	-	-	-

Table 8.3 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Liben

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	18,085	7,922.05	*	
Cereals	17,687	7,299.46	*	
Teff	-	-	-	-
Barley	-	-	-	-
Wheat	*	*	-	-
Maize	17,624	6,867.47	-	-
Sorghum	*	*	*	*
Finger millet	*	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	6,229	617.49	-	
Faba beans	-	-	-	-
Field peas	-	-	-	-
Haricot beans	6,229	615.28	-	-
Chick-peas	-	-	-	-
Lentils	*	*	-	-
Grass peas	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	*	*	-	
Neug	-	-	-	-
Linseed	-	-	-	-
Groundnuts	-	-	-	-
Safflower	-	-	-	-
Sesame	*	*	-	-
Rape seed	-	-	-	-
Vegetables	*	*	*	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	-	-	-	-
Tomatoes	*	*	*	*
Green peppers	*	*	-	-
Red peppers	-	-	-	-
Swiss chard	-	-	-	-
Root crops	*	*	*	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	*	*	*	*
Potatoes	-	-	-	-
Garlic	-	-	-	-
Taro / 'Godere'	-	-	-	-
Sweet potatoes	-	-	-	-
Fruit crops	1,854	*	*	
Avocados	-	-	-	-
Bananas	647	*	-	-
Guavas	*	*	*	*
Lemons	*	*	*	*
Mangoes	-	-	-	-
Oranges	-	-	-	-
Papayas	1,134	*	*	*
Pineapples	-	-	-	-
Chat	-	-	-	-
Coffee	-	-	-	-
Hops	-	-	-	-
Sugar cane	-	-	-	-

Table 9 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Benishangul-Gumuz Region

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	149,096	179,228.67	2,500,532.21	
Cereals	147,952	132,230.61	2,104,209.62	
Teff	28,434	15,719.53	143,464.76	9.13
Barley	4,099	822.62	9,708.93	11.80
Wheat	4,547	*	*	*
Maize	130,840	31,435.27	653,613.06	20.79
Sorghum	101,779	58,992.05	887,173.44	15.04
Finger millet	34,831	22,546.58	367,719.27	16.31
Oats / 'Aja'	*	*	*	*
Rice	*	*	*	*
Pulses	67,201	8,146.31	65,845.15	
Faba beans	5,631	543.42	5,728.82	10.54
Field peas	3,313	742.96	*	*
Haricot beans	51,299	4,884.87	44,215.16	9.05
Chick-peas	3,064	465.19	*	*
Lentils	*	*	*	*
Grass peas	-	-	-	-
Soya beans	9,431	1,455.50	8,039.53	5.52
Fenugreek	*	*	-	-
Gibto	*	*	*	*
Oilseeds	99,257	38,851.75	330,477.44	
Neug	32,603	11,566.22	99,488.99	8.60
Linseed	7,105	295.21	796.65	2.70
Groundnuts	27,990	4,788.51	100,203.24	20.93
Safflower	1,435	*	*	*
Sesame	70,739	21,692.52	125,584.15	5.79
Rape seed	5,386	*	*	*
Vegetables	44,851	1,045.12	15,885.39	
Lettuce	-	-	-	-
Head cabbage	1,979	5.81	483.10	83.15
Ethiopian cabbage	2,554	12.04	643.38	53.44
Tomatoes	1,884	13.78	-	-
Green peppers	5,342	33.55	1,355.70	40.41
Red peppers	36,339	979.01	13,403.21	13.69
Swiss chard	106	0.94	-	-
Root crops	39,640	796.76	72,093.61	
Beetroot	535	0.18	10.48	58.22
Carrot	512	1.81	108.09	59.72
Onion	8,461	127.40	11,051.41	86.75
Potatoes	*	*	*	*
Garlic	9,447	48.83	4,326.62	88.61
Taro / 'Godere'	*	2.78	*	*
Sweet potatoes	27,314	364.03	34,620.83	95.10
Fruit crops	52,488	1,218.84	104,096.04	
Avocados	457	*	-	-
Bananas	22,421	455.47	25,273.12	55.49
Guavas	4,175	43.51	732.30	16.83
Lemons	7,272	21.20	1,108.93	52.31
Mangoes	34,484	632.10	61,920.38	97.96
Oranges	6,807	36.02	7,755.31	215.31
Papayas	11,593	29.20	7,306.00	250.21
Pineapples	-	-	-	-
Chat	8,261	105.61	1,100.66	10.42
Coffee	15,197	*	2,310.71	*
Hops	10,872	148.31	1,629.08	10.98
Sugar cane	1,333	*	4,143.64	*

Table 9.1 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Metekel

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	54,316	85,734.91	1,363,263.63	
Cereals	53,685	64,143.02	1,108,936.83	
Teff	12,902	9,942.48	107,981.34	10.86
Barley	3,730	788.02	9,708.93	12.32
Wheat	4,438	*	*	*
Maize	45,287	11,743.67	290,803.76	24.76
Sorghum	24,998	19,250.65	319,170.82	16.58
Finger millet	22,406	19,716.24	338,801.54	17.18
Oats / 'Aja'	*	*	*	*
Rice	*	*	*	*
Pulses	20,779	3,179.48	29,734.90	
Faba beans	5,631	543.42	5,728.82	10.54
Field peas	3,313	742.96	*	*
Haricot beans	12,604	1,269.47	15,189.53	11.97
Chick-peas	*	*	*	*
Lentils	*	*	*	*
Grass peas	-	-	-	-
Soya beans	1,473	*	*	*
Fenugreek	*	*	-	-
Gibto	*	*	*	*
Oilseeds	32,346	18,412.40	224,591.90	
Neug	9,527	6,728.04	82,175.74	12.21
Linseed	1,957	94.27	375.85	3.99
Groundnuts	11,925	4,152.28	95,789.83	23.07
Safflower	*	*	*	*
Sesame	19,899	7,186.11	44,994.08	6.26
Rape seed	3,133	*	*	*
Vegetables	18,771	428.89	*	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	*	*	*	*
Tomatoes	-	-	-	-
Green peppers	1,993	*	-	-
Red peppers	16,678	413.98	-	-
Swiss chard	-	-	-	-
Root crops	13,693	368.49	*	
Beetroot	*	*	-	-
Carrot	*	*	-	-
Onion	4,664	*	*	*
Potatoes	*	*	*	*
Garlic	8,815	46.91	4,196.48	89.46
Taro / 'Godere'	*	*	-	-
Sweet potatoes	3,660	47.89	-	-
Fruit crops	12,512	180.90	-	
Avocados	*	*	-	-
Bananas	3,890	50.79	-	-
Guavas	*	*	-	-
Lemons	2,331	7.68	-	-
Mangoes	7,304	*	-	-
Oranges	990	*	-	-
Papayas	4,693	13.24	-	-
Pineapples	-	-	-	-
Chat	1,496	*	-	-
Coffee	4,353	*	-	-
Hops	7,563	*	*	*
Sugar cane	*	*	-	-

Table 9.2 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Asosa

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	68,515	55,516.15	571,285.90	
Cereals	68,160	40,068.47	495,196.98	
Teff	11,485	2,749.10	10,708.38	3.90
Barley	318	11.64	-	-
Wheat	109	1.72	4.46	2.59
Maize	62,050	11,245.43	173,539.44	15.43
Sorghum	55,848	24,418.76	298,072.34	12.21
Finger millet	9,501	1,641.43	12,872.37	7.84
Oats / 'Aja'	-	-	-	-
Rice	90	0.38	-	-
Pulses	32,917	3,369.09	21,288.14	
Faba beans	-	-	-	-
Field peas	-	-	-	-
Haricot beans	25,550	2,163.53	15,483.19	7.16
Chick-peas	2,123	211.45	537.04	2.54
Lentils	-	-	-	-
Grass peas	-	-	-	-
Soya beans	7,501	994.11	5,267.91	5.30
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	47,076	12,078.60	54,800.78	
Neug	19,768	4,453.78	15,700.19	3.53
Linseed	5,112	194.71	420.79	2.16
Groundnuts	13,126	562.20	3,865.01	6.87
Safflower	937	23.01	78.63	3.42
Sesame	32,816	6,798.91	34,372.75	5.06
Rape seed	1,823	45.99	363.40	7.90
Vegetables	19,767	490.61	15,079.69	
Lettuce	-	-	-	-
Head cabbage	1,776	5.41	483.10	89.30
Ethiopian cabbage	1,812	8.32	444.78	53.46
Tomatoes	1,671	13.13	-	-
Green peppers	1,500	9.37	748.60	79.89
Red peppers	15,314	453.42	13,403.21	29.56
Swiss chard	106	0.94	-	-
Root crops	20,383	336.36	35,941.79	
Beetroot	276	0.10	10.48	104.80
Carrot	331	1.14	108.09	94.82
Onion	3,738	106.06	8,975.55	84.63
Potatoes	109	1.16	-	-
Garlic	397	1.20	88.14	73.45
Taro / 'Godere'	216	0.38	-	-
Sweet potatoes	18,356	226.33	26,759.53	118.23
Fruit crops	33,486	836.08	80,594.55	
Avocados	212	0.05	-	-
Bananas	14,566	347.20	19,901.51	57.32
Guavas	3,403	36.85	732.30	19.87
Lemons	4,891	12.69	1,009.60	79.56
Mangoes	24,475	397.03	46,194.76	116.35
Oranges	5,689	31.28	7,755.31	247.93
Papayas	6,199	10.97	5,001.06	455.89
Pineapples	-	-	-	-
Chat	6,764	92.41	1,100.66	11.91
Coffee	10,346	290.66	1,627.67	5.60
Hops	3,309	12.02	135.33	11.26
Sugar cane	278	4.78	4,143.64	866.87

Table 9.3 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Kemashi

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	26,264	37,977.62	565,982.68	
Cereals	26,106	28,019.12	500,075.81	
Teff	4,047	3,027.95	24,775.03	8.18
Barley	*	*	-	-
Wheat	-	-	-	-
Maize	23,503	8,446.17	189,269.86	22.41
Sorghum	20,932	15,322.63	269,930.28	17.62
Finger millet	2,923	1,188.91	*	*
Oats / 'Aja'	*	*	*	*
Rice	-	-	-	-
Pulses	13,506	1,597.75	14,822.11	
Faba beans	-	-	-	-
Field peas	-	-	-	-
Haricot beans	13,145	1,451.87	13,542.44	9.33
Chick-peas	*	*	-	-
Lentils	-	-	-	-
Grass peas	-	-	-	-
Soya beans	457	138.03	1,279.67	9.27
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	19,836	8,360.75	51,084.76	
Neug	3,309	384.40	1,613.06	4.20
Linseed	*	*	-	-
Groundnuts	2,939	74.03	548.40	7.41
Safflower	*	*	-	-
Sesame	18,023	7,707.51	46,217.31	6.00
Rape seed	430	*	*	*
Vegetables	6,313	125.63	720.99	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	328	*	*	*
Tomatoes	*	*	-	-
Green peppers	1,849	11.01	607.10	55.14
Red peppers	4,347	111.60	-	-
Swiss chard	-	-	-	-
Root crops	5,564	91.91	7,972.84	
Beetroot	-	-	-	-
Carrot	*	*	-	-
Onion	*	*	-	-
Potatoes	-	-	-	-
Garlic	*	*	*	*
Taro / 'Godere'	227	*	*	*
Sweet potatoes	5,298	89.80	7,861.31	87.54
Fruit crops	6,489	201.86	23,501.48	
Avocados	*	*	-	-
Bananas	3,965	57.48	5,371.61	93.45
Guavas	-	-	-	-
Lemons	*	*	*	*
Mangoes	2,705	138.05	15,725.62	113.91
Oranges	*	*	-	-
Papayas	701	*	*	*
Pineapples	-	-	-	-
Chat	-	-	-	-
Coffee	498	*	*	*
Hops	-	-	-	-
Sugar cane	*	*	-	-

Table 10 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

S.N.N.P. Region

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	2,281,039	921,581.55	11,675,392.74	
Cereals	2,064,371	746,935.59	10,154,339.84	
Teff	805,124	199,492.22	1,556,107.58	7.80
Barley	627,305	84,744.74	988,365.04	11.66
Wheat	626,597	123,194.84	1,944,795.36	15.79
Maize	1,124,793	220,993.46	4,359,959.34	19.73
Sorghum	617,848	111,469.90	1,226,108.90	11.00
Finger millet	70,538	6,381.05	73,424.50	11.51
Oats / 'Aja'	14,517	460.99	3,324.00	7.21
Rice	2,232	198.38	*	*
Pulses	1,435,776	168,548.73	1,498,232.06	
Faba beans	668,474	55,208.03	540,159.24	9.78
Field peas	385,322	43,497.28	333,229.23	7.66
Haricot beans	796,060	61,667.85	570,973.21	9.26
Chick-peas	44,533	4,536.02	29,034.52	6.40
Lentils	34,780	1,987.50	8,900.48	4.48
Grass peas	12,187	1,381.78	*	*
Soya beans	5,404	45.50	37.97	0.83
Fenugreek	27,118	215.54	750.54	3.48
Gibto	*	*	-	-
Oilseeds	146,164	6,097.23	22,820.84	
Neug	9,487	*	*	*
Linseed	68,548	1,808.80	7,361.78	4.07
Groundnuts	8,961	315.93	1,388.18	4.39
Safflower	17,821	293.13	2,650.53	9.04
Sesame	9,859	1,087.66	124.36	0.11
Rape seed	39,480	831.62	2,229.13	2.68
Vegetables	1,549,424	26,011.76	1,562,462.18	
Lettuce	6,465	*	-	-
Head cabbage	75,653	550.09	31,344.86	56.98
Ethiopian cabbage	1,422,945	14,382.35	1,059,791.94	73.69
Tomatoes	38,284	284.85	20,012.80	70.26
Green peppers	222,919	849.80	56,280.67	66.23
Red peppers	135,470	9,906.18	395,031.91	39.88
Swiss chard	16,442	19.68	-	-
Root crops	1,425,312	66,072.39	5,328,563.63	
Beetroot	79,330	214.61	14,876.23	69.32
Carrot	39,996	244.43	*	*
Onion	112,053	884.19	58,007.20	65.60
Potatoes	430,582	14,023.02	974,354.38	69.48
Garlic	66,304	256.29	9,479.92	36.99
Taro / 'Godere'	677,270	20,925.92	1,695,605.47	81.03
Sweet potatoes	606,977	29,523.93	2,563,644.54	86.83
Fruit crops	1,254,928	29,200.05	2,689,469.51	
Avocados	550,183	3,664.50	276,121.25	75.35
Bananas	892,292	19,913.67	1,569,538.07	78.82
Guavas	49,779	136.61	2,129.67	15.59
Lemons	50,280	241.65	24,725.97	102.32
Mangoes	197,895	2,590.08	262,909.91	101.51
Oranges	138,493	1,008.02	205,926.54	204.29
Papayas	229,782	981.71	288,596.08	293.97
Pineapples	*	*	*	*
Chat	630,958	25,761.32	286,254.38	11.11
Coffee	1,426,143	91,233.12	649,971.17	7.12
Hops	245,475	2,306.08	24,045.70	10.43
Sugar cane	566,267	10,278.55	6,964,412.46	677.57

Table 10.1 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Gurage

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	216,197	85,730.58	1,283,246.25	
Cereals	211,691	74,790.13	1,169,852.12	
Teff	69,261	28,675.89	259,950.32	9.07
Barley	95,264	13,876.68	243,579.37	17.55
Wheat	98,543	13,736.29	262,548.46	19.11
Maize	79,199	13,274.30	334,608.82	25.21
Sorghum	38,734	5,128.88	68,023.55	13.26
Finger millet	-	-	-	-
Oats / 'Aja'	*	*	*	*
Rice	-	-	-	-
Pulses	114,869	9,137.16	104,106.83	
Faba beans	81,436	2,932.77	42,450.04	14.47
Field peas	25,589	3,207.14	35,731.45	11.14
Haricot beans	30,037	1,048.21	10,387.48	9.91
Chick-peas	*	*	*	*
Lentils	*	*	*	*
Grass peas	*	*	*	*
Soya beans	*	*	-	-
Fenugreek	*	*	-	-
Gibto	*	*	-	-
Oilseeds	18,412	*	*	
Neug	7,488	*	*	*
Linseed	3,022	*	*	*
Groundnuts	*	*	-	-
Safflower	*	*	-	-
Sesame	-	-	-	-
Rape seed	7,545	*	*	*
Vegetables	175,244	2,680.65	191,261.24	
Lettuce	4,961	*	-	-
Head cabbage	27,452	73.01	5,500.24	75.34
Ethiopian cabbage	161,964	1,134.87	93,694.48	82.56
Tomatoes	3,176	*	-	-
Green peppers	19,242	50.04	1,884.19	37.65
Red peppers	16,313	*	*	*
Swiss chard	9,108	4.05	-	-
Root crops	126,570	2,994.22	227,622.00	
Beetroot	15,320	13.91	810.33	58.26
Carrot	14,436	*	*	*
Onion	15,040	19.38	260.71	13.45
Potatoes	71,303	1,770.64	163,837.57	92.53
Garlic	8,684	8.46	-	-
Taro / 'Godere'	46,846	1,026.76	54,901.05	53.47
Sweet potatoes	7,783	*	-	-
Fruit crops	95,925	1,647.08	190,769.82	
Avocados	42,739	231.71	17,466.49	75.38
Bananas	52,169	560.28	19,979.70	35.66
Guavas	8,752	30.57	618.79	20.24
Lemons	9,405	32.43	1,220.53	37.64
Mangoes	12,456	55.55	2,205.73	39.71
Oranges	47,349	644.02	118,043.09	183.29
Papayas	34,595	89.59	31,235.49	348.65
Pineapples	*	*	-	-
Chat	108,117	4,738.10	46,480.78	9.81
Coffee	96,608	2,734.17	6,288.61	2.30
Hops	67,862	*	*	*
Sugar cane	26,320	*	*	*

Table 10.2 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Hadiya

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	208,131	106,887.72	1,588,879.72	
Cereals	202,220	96,628.15	1,463,432.75	
Teff	117,130	29,532.43	234,369.15	7.94
Barley	58,834	4,103.93	48,062.03	11.71
Wheat	120,774	32,939.96	617,211.56	18.74
Maize	114,531	21,210.01	438,398.32	20.67
Sorghum	87,068	8,203.56	120,871.36	14.73
Finger millet	11,697	*	*	*
Oats / 'Aja'	*	*	*	*
Rice	-	-	-	-
Pulses	118,103	9,504.75	121,260.39	
Faba beans	53,443	4,626.19	66,255.62	14.32
Field peas	20,984	1,977.15	21,787.70	11.02
Haricot beans	67,926	2,640.68	*	*
Chick-peas	*	*	*	*
Lentils	6,145	*	*	*
Grass peas	*	*	-	-
Soya beans	*	*	-	-
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	21,507	754.82	4,186.57	
Neug	-	-	-	-
Linseed	9,669	435.91	2,527.51	5.80
Groundnuts	-	-	-	-
Safflower	-	-	-	-
Sesame	-	-	-	-
Rape seed	12,764	318.91	1,659.06	5.20
Vegetables	180,248	2,552.25	196,776.97	
Lettuce	*	*	-	-
Head cabbage	7,133	46.86	3,088.02	65.90
Ethiopian cabbage	174,294	1,798.45	168,011.15	93.42
Tomatoes	13,754	64.91	7,109.86	109.53
Green peppers	20,117	65.74	4,261.90	64.83
Red peppers	*	*	*	*
Swiss chard	1,577	*	-	-
Root crops	121,463	3,114.91	290,827.81	
Beetroot	26,861	67.30	7,604.70	113.00
Carrot	5,659	9.43	1,122.04	118.99
Onion	12,910	18.63	1,851.04	99.36
Potatoes	55,798	911.50	54,161.37	59.42
Garlic	*	*	*	*
Taro / 'Godere'	27,160	377.72	29,322.59	77.63
Sweet potatoes	40,559	1,726.76	196,453.28	113.77
Fruit crops	142,001	2,090.54	170,926.37	
Avocados	74,842	372.68	30,306.03	81.32
Bananas	114,312	1,605.27	127,025.08	79.13
Guavas	2,315	1.38	-	-
Lemons	5,400	9.17	-	-
Mangoes	11,633	43.65	3,607.27	82.64
Oranges	9,917	14.45	2,448.31	169.43
Papayas	17,341	43.94	7,539.69	171.59
Pineapples	-	-	-	-
Chat	58,085	1,447.35	10,638.04	7.35
Coffee	107,289	5,492.26	37,072.77	6.75
Hops	34,533	83.26	969.99	11.65
Sugar cane	64,040	1,321.26	834,310.17	631.45

Table 10.3 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Kembata - Tembaro

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	97,359	29,764.05	359,280.04	
Cereals	91,129	25,585.91	320,640.76	
Teff	48,774	8,943.06	56,992.91	6.37
Barley	20,154	1,268.01	16,031.98	12.64
Wheat	50,509	10,706.29	188,762.53	17.63
Maize	12,854	*	*	*
Sorghum	24,906	1,724.33	14,741.77	8.55
Finger millet	4,281	*	*	*
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	60,924	3,854.27	37,815.10	
Faba beans	38,936	1,844.62	19,363.39	10.50
Field peas	16,220	780.81	6,355.90	8.14
Haricot beans	34,659	1,195.80	*	*
Chick-peas	*	*	*	*
Lentils	*	*	-	-
Grass peas	-	-	-	-
Soya beans	1,477	*	-	-
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	4,714	*	*	
Neug	*	*	-	-
Linseed	2,155	*	*	*
Groundnuts	*	*	-	-
Safflower	-	-	-	-
Sesame	*	-	-	-
Rape seed	*	*	*	*
Vegetables	83,857	1,094.96	76,789.95	
Lettuce	*	*	-	-
Head cabbage	7,824	*	*	*
Ethiopian cabbage	81,741	838.68	58,321.91	69.54
Tomatoes	6,763	*	*	*
Green peppers	5,799	9.50	688.83	72.51
Red peppers	2,575	*	*	*
Swiss chard	*	*	-	-
Root crops	92,498	4,925.93	426,434.79	
Beetroot	9,214	41.65	2,814.07	67.56
Carrot	4,744	*	-	-
Onion	3,455	*	*	*
Potatoes	44,453	1,836.51	145,414.48	79.18
Garlic	*	*	*	*
Taro / 'Godere'	32,609	969.47	95,376.54	98.38
Sweet potatoes	46,252	1,945.83	178,159.84	91.56
Fruit crops	82,421	1,709.14	131,821.73	
Avocados	62,437	442.03	25,288.48	57.21
Bananas	65,594	1,133.42	89,948.37	79.36
Guavas	1,993	*	*	*
Lemons	3,271	*	*	*
Mangoes	17,157	72.50	7,506.31	103.54
Oranges	8,616	27.06	1,924.99	71.14
Papayas	5,435	16.31	5,675.32	347.97
Pineapples	-	-	-	-
Chat	14,858	327.93	2,987.44	9.11
Coffee	68,675	2,567.53	8,729.59	3.40
Hops	22,487	69.75	741.39	10.63
Sugar cane	35,591	798.27	569,527.41	713.45

Table 10.4 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Sidama

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	400,913	79,160.23	1,163,171.50	
Cereals	332,348	55,186.47	921,461.10	
Teff	30,231	2,345.44	16,688.29	7.12
Barley	88,358	11,885.46	101,306.43	8.52
Wheat	50,575	5,752.05	67,936.18	11.81
Maize	267,264	34,929.91	732,541.12	20.97
Sorghum	6,530	*	*	*
Finger millet	*	*	*	*
Oats / 'Aja'	*	*	*	*
Rice	-	-	-	-
Pulses	225,251	23,852.45	241,531.52	
Faba beans	77,323	4,194.09	38,729.58	9.23
Field peas	39,402	2,370.30	13,939.38	5.88
Haricot beans	131,910	17,276.19	188,862.56	10.93
Chick-peas	-	-	-	-
Lentils	-	-	-	-
Grass peas	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	8,025	121.32	*	
Neug	-	-	-	-
Linseed	4,174	*	*	*
Groundnuts	*	*	-	-
Safflower	*	*	-	-
Sesame	-	-	-	-
Rape seed	*	*	*	*
Vegetables	335,601	3,897.98	291,138.66	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	308,753	3,338.57	265,349.18	79.48
Tomatoes	*	*	*	*
Green peppers	62,856	268.77	25,103.39	93.40
Red peppers	*	*	-	-
Swiss chard	*	*	-	-
Root crops	157,250	4,299.65	255,417.57	
Beetroot	*	*	*	*
Carrot	*	*	*	*
Onion	*	*	*	*
Potatoes	40,577	1,180.95	-	-
Garlic	*	*	-	-
Taro / 'Godere'	18,562	54.25	4,965.69	91.53
Sweet potatoes	93,963	2,985.60	248,521.40	83.24
Fruit crops	240,615	4,381.13	388,602.10	
Avocados	120,565	779.11	65,086.62	83.54
Bananas	190,177	2,890.63	256,658.63	88.79
Guavas	13,497	24.91	527.62	21.18
Lemons	*	*	*	*
Mangoes	*	*	*	*
Oranges	7,864	12.58	2,789.61	221.75
Papayas	4,820	4.22	1,975.01	468.01
Pineapples	*	*	*	*
Chat	265,280	13,610.85	167,821.81	12.33
Coffee	346,063	27,395.16	205,463.91	7.50
Hops	33,355	385.32	5,201.89	13.50
Sugar cane	150,974	4,110.89	2,862,785.03	696.39

Table 10.5 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Gedio

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	82,905	13,490.84	227,145.43	
Cereals	61,577	10,642.33	201,525.26	
Teff	1,178	32.72	66.42	2.03
Barley	24,460	3,670.51	49,121.82	13.38
Wheat	2,579	*	*	*
Maize	51,992	6,693.73	149,212.82	22.29
Sorghum	860	*	*	*
Finger millet	-	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	49,167	2,826.97	25,598.06	
Faba beans	28,252	1,921.13	18,597.87	9.68
Field peas	6,037	501.39	*	*
Haricot beans	23,483	404.45	1,016.82	2.51
Chick-peas	-	-	-	-
Lentils	-	-	-	-
Grass peas	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	2,242	21.55	*	
Neug	-	-	-	-
Linseed	*	6.03	*	*
Groundnuts	*	*	-	-
Safflower	-	-	-	-
Sesame	-	-	-	-
Rape seed	1,186	*	-	-
Vegetables	96,796	1,256.43	100,744.77	
Lettuce	*	*	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	94,218	1,214.80	98,787.30	81.32
Tomatoes	*	*	*	*
Green peppers	13,768	35.59	1,885.72	52.98
Red peppers	*	*	-	-
Swiss chard	*	*	-	-
Root crops	38,280	539.99	62,078.73	
Beetroot	1,433	*	-	-
Carrot	*	*	-	-
Onion	*	*	*	*
Potatoes	*	*	*	*
Garlic	*	*	-	-
Taro / 'Godere'	24,234	292.25	37,303.14	127.64
Sweet potatoes	14,386	226.17	23,460.27	103.73
Fruit crops	51,746	1,036.44	85,071.35	
Avocados	39,327	402.01	31,967.79	79.52
Bananas	21,839	604.57	49,840.57	82.44
Guavas	*	*	*	*
Lemons	*	*	-	-
Mangoes	*	*	*	*
Oranges	1,297	*	*	*
Papayas	*	*	*	*
Pineapples	-	-	-	-
Chat	7,843	*	*	*
Coffee	127,791	18,714.92	134,373.13	7.18
Hops	9,022	*	*	*
Sugar cane	22,512	524.66	389,189.71	741.79

Table 10.6 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Wolayita

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	242,592	59,160.06	746,080.00	
Cereals	194,415	43,562.70	613,782.76	
Teff	103,755	17,024.27	149,171.10	8.76
Barley	16,241	660.05	5,808.75	8.80
Wheat	34,954	3,442.63	59,411.72	17.26
Maize	91,208	19,821.38	380,729.93	19.21
Sorghum	46,490	2,607.05	18,661.27	7.16
Finger millet	-	-	-	-
Oats / 'Aja'	648	7.31	-	-
Rice	-	-	-	-
Pulses	178,978	15,361.80	132,267.93	
Faba beans	46,570	1,487.05	13,630.92	9.17
Field peas	48,699	1,963.78	15,446.00	7.87
Haricot beans	138,740	10,865.70	96,904.89	8.92
Chick-peas	13,504	1,004.74	6,093.82	6.07
Lentils	2,953	33.13	192.30	5.80
Grass peas	373	2.53	-	-
Soya beans	1,000	4.86	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	5,839	235.56	29.30	
Neug	-	-	-	-
Linseed	1,313	4.96	-	-
Groundnuts	1,428	37.00	22.27	0.60
Safflower	650	2.63	7.04	2.68
Sesame	1,445	180.02	-	-
Rape seed	1,003	10.95	-	-
Vegetables	112,705	1,593.62	50,702.98	
Lettuce	-	-	-	-
Head cabbage	2,620	81.38	8,064.79	99.10
Ethiopian cabbage	95,344	547.74	23,218.57	42.39
Tomatoes	1,634	25.92	-	-
Green peppers	14,850	63.84	4,440.96	69.56
Red peppers	19,271	874.41	14,978.67	17.13
Swiss chard	313	0.33	-	-
Root crops	243,257	21,915.20	1,899,339.71	
Beetroot	1,647	22.99	-	-
Carrot	1,976	50.52	3,303.93	65.40
Onion	4,454	30.09	2,812.28	93.46
Potatoes	74,111	3,371.74	258,073.23	76.54
Garlic	-	-	-	-
Taro / 'Godere'	128,169	2,899.72	274,922.74	94.81
Sweet potatoes	228,091	15,540.13	1,360,227.52	87.53
Fruit crops	193,149	3,119.20	290,937.44	
Avocados	128,017	923.53	78,860.35	85.39
Bananas	122,571	1,429.37	103,900.82	72.69
Guavas	7,171	14.51	289.69	19.96
Lemons	5,983	17.38	1,747.40	100.54
Mangoes	50,162	578.55	56,981.01	98.49
Oranges	18,956	99.57	27,030.41	271.47
Papayas	25,817	47.55	21,748.21	457.38
Pineapples	1,324	8.75	379.56	43.38
Chat	7,511	56.25	-	-
Coffee	186,471	5,557.96	48,687.72	8.76
Hops	8,869	26.78	329.40	12.30
Sugar cane	86,551	747.52	518,878.02	694.13

Table 10.7 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

South Omo

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	86,610	36,875.10	335,115.92	
Cereals	81,649	30,111.92	292,833.69	
Teff	12,313	3,474.34	25,534.07	7.35
Barley	15,974	3,473.89	28,058.18	8.08
Wheat	7,134	936.95	12,243.54	13.07
Maize	49,601	10,262.49	122,334.78	11.92
Sorghum	34,350	11,686.50	104,061.89	8.90
Finger millet	*	*	*	*
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	52,905	5,818.90	39,458.62	
Faba beans	20,416	2,283.70	22,848.11	10.00
Field peas	9,990	1,114.35	6,425.62	5.77
Haricot beans	34,844	2,321.12	10,184.89	4.39
Chick-peas	-	-	-	-
Lentils	1,656	*	-	-
Grass peas	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	18,108	944.29	2,823.61	
Neug	-	-	-	-
Linseed	3,114	*	*	*
Groundnuts	667	*	*	*
Safflower	10,953	246.23	2,489.47	10.11
Sesame	3,800	527.99	66.48	0.13
Rape seed	*	*	-	-
Vegetables	30,606	337.46	23,468.56	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	25,910	285.49	22,413.73	78.51
Tomatoes	*	*	-	-
Green peppers	3,311	*	*	*
Red peppers	1,762	*	-	-
Swiss chard	-	-	-	-
Root crops	46,019	1,518.59	139,564.72	
Beetroot	*	*	-	-
Carrot	-	-	-	-
Onion	8,588	107.60	10,386.16	96.53
Potatoes	4,617	*	*	*
Garlic	5,465	18.11	-	-
Taro / 'Godere'	27,869	828.99	75,753.13	91.38
Sweet potatoes	13,208	350.00	31,384.50	89.67
Fruit crops	33,742	655.97	70,788.68	
Avocados	3,743	9.80	-	-
Bananas	27,984	566.88	51,081.37	90.11
Guavas	*	*	-	-
Lemons	*	*	*	*
Mangoes	8,780	44.39	5,310.09	119.62
Oranges	*	*	*	*
Papayas	8,446	30.34	13,734.15	452.67
Pineapples	*	*	*	*
Chat	1,792	*	*	*
Coffee	36,701	2,747.47	11,704.21	4.26
Hops	1,803	12.50	144.17	11.53
Sugar cane	6,438	135.82	87,721.91	645.87

Table 10.8 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Sheka

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	28,939	12,935.48	194,375.14	
Cereals	26,042	9,764.23	175,372.55	
Teff	4,805	520.70	4,047.38	7.77
Barley	2,148	151.33	1,389.66	9.18
Wheat	*	*	*	*
Maize	12,227	2,146.67	54,342.80	25.31
Sorghum	17,350	6,362.51	108,117.91	16.99
Finger millet	*	*	*	*
Oats / 'Aja'	*	*	-	-
Rice	*	*	*	*
Pulses	13,960	3,152.89	18,995.59	
Faba beans	4,968	777.31	5,031.75	6.47
Field peas	7,271	2,193.92	11,899.60	5.42
Haricot beans	7,545	181.19	*	*
Chick-peas	-	-	-	-
Lentils	-	-	-	-
Grass peas	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	667	*	*	
Neug	-	-	-	-
Linseed	*	*	-	-
Groundnuts	*	*	-	-
Safflower	*	*	-	-
Sesame	*	*	*	*
Rape seed	*	*	*	*
Vegetables	17,747	201.46	8,972.04	
Lettuce	-	-	-	-
Head cabbage	512	*	*	*
Ethiopian cabbage	14,044	108.25	5,638.83	52.09
Tomatoes	*	*	*	*
Green peppers	5,740	*	*	*
Red peppers	1,694	37.62	1,074.08	28.55
Swiss chard	*	*	-	-
Root crops	21,835	692.25	60,932.93	
Beetroot	*	*	-	-
Carrot	-	-	-	-
Onion	3,349	*	*	*
Potatoes	1,332	36.36	3,687.90	101.43
Garlic	3,607	9.23	614.36	66.56
Taro / 'Godere'	16,254	511.26	46,969.37	91.87
Sweet potatoes	709	*	*	*
Fruit crops	18,562	269.76	44,935.37	
Avocados	3,189	8.98	513.16	57.14
Bananas	7,194	74.58	5,895.96	79.06
Guavas	897	1.35	-	-
Lemons	982	*	*	*
Mangoes	12,005	83.43	9,805.17	117.53
Oranges	5,867	61.97	19,438.79	313.68
Papayas	9,684	20.21	7,268.37	359.64
Pineapples	856	*	-	-
Chat	4,041	121.65	1,401.42	11.52
Coffee	23,832	5,974.84	56,163.54	9.40
Hops	3,812	*	*	*
Sugar cane	9,552	143.57	105,349.48	733.78

Table 10.9 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Keffa

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	165,509	121,103.86	1,495,413.53	
Cereals	152,291	81,665.10	1,183,032.13	
Teff	115,359	24,472.31	208,612.52	8.52
Barley	70,306	14,159.24	178,499.59	12.61
Wheat	45,508	10,612.60	143,087.42	13.48
Maize	49,974	17,597.10	426,794.38	24.25
Sorghum	59,916	13,483.29	209,111.62	15.51
Finger millet	7,369	*	*	*
Oats / 'Aja'	*	*	*	*
Rice	304	8.73	-	-
Pulses	141,074	38,963.91	310,737.62	
Faba beans	93,276	17,900.01	159,726.51	8.92
Field peas	66,317	15,365.31	113,004.59	7.35
Haricot beans	68,740	5,678.63	38,006.51	6.69
Chick-peas	*	*	-	-
Lentils	*	*	-	-
Grass peas	-	-	-	-
Soya beans	*	*	-	-
Fenugreek	1,383	*	-	-
Gibto	*	*	-	-
Oilseeds	16,751	474.84	1,643.79	
Neug	*	*	-	-
Linseed	13,640	262.57	1,496.38	5.70
Groundnuts	1,379	*	*	*
Safflower	*	*	-	-
Sesame	*	*	*	*
Rape seed	2,993	*	-	-
Vegetables	115,428	1,456.69	79,272.92	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	103,389	801.85	66,120.69	82.46
Tomatoes	*	*	-	-
Green peppers	28,665	77.58	3,657.94	47.15
Red peppers	*	*	*	*
Swiss chard	1,028	0.93	-	-
Root crops	110,445	2,751.40	176,697.17	
Beetroot	3,316	11.89	1,415.38	119.04
Carrot	1,695	*	-	-
Onion	8,196	41.87	3,917.89	93.57
Potatoes	3,895	96.90	11,394.30	117.59
Garlic	12,437	66.51	5,458.09	82.06
Taro / 'Godere'	94,090	2,325.32	133,426.90	57.38
Sweet potatoes	12,619	201.13	21,084.61	104.83
Fruit crops	63,458	950.59	33,715.92	
Avocados	6,528	27.06	1,878.52	69.42
Bananas	55,966	852.92	24,043.71	28.19
Guavas	*	*	*	*
Lemons	*	*	*	*
Mangoes	2,949	11.19	845.72	75.58
Oranges	2,205	3.94	313.71	79.62
Papayas	11,771	51.75	6,284.43	121.44
Pineapples	*	*	-	-
Chat	11,666	89.23	904.79	10.14
Coffee	82,480	4,545.97	37,731.57	8.30
Hops	12,918	95.53	1,180.74	12.36
Sugar cane	54,068	495.32	318,289.59	642.59

Table 10.10 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Gamo Gofa

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	261,623	108,045.12	990,578.88	
Cereals	247,053	91,518.97	864,585.77	
Teff	86,156	23,643.30	164,693.36	6.97
Barley	119,048	19,608.53	186,502.48	9.51
Wheat	91,549	17,238.12	172,818.97	10.03
Maize	95,666	19,161.82	235,493.00	12.29
Sorghum	55,968	11,854.60	105,077.96	8.86
Finger millet	*	*	-	-
Oats / 'Aja'	262	0.74	-	-
Rice	356	11.14	-	-
Pulses	171,673	16,158.46	124,866.90	
Faba beans	84,236	5,254.81	39,744.62	7.56
Field peas	67,087	4,143.92	28,528.66	6.88
Haricot beans	85,998	5,894.75	51,687.88	8.77
Chick-peas	2,610	165.37	735.08	4.45
Lentils	7,203	619.11	3,597.26	5.81
Grass peas	*	*	-	-
Soya beans	356	1.51	-	-
Fenugreek	15,617	78.97	573.40	7.26
Gibto	-	-	-	-
Oilseeds	13,773	367.69	1,126.21	
Neug	*	*	-	-
Linseed	9,152	114.66	780.67	6.81
Groundnuts	1,604	79.64	345.54	4.34
Safflower	1,512	10.57	-	-
Sesame	1,508	161.03	-	-
Rape seed	-	-	-	-
Vegetables	104,888	1,102.36	23,388.67	
Lettuce	-	-	-	-
Head cabbage	6,867	45.24	2,786.04	61.58
Ethiopian cabbage	92,077	906.72	12,032.22	13.27
Tomatoes	2,184	42.98	4,264.54	99.22
Green peppers	18,355	83.95	4,305.87	51.29
Red peppers	3,560	20.99	-	-
Swiss chard	648	2.48	-	-
Root crops	201,657	10,960.90	890,142.07	
Beetroot	3,709	7.51	401.48	53.46
Carrot	670	0.45	33.30	74.00
Onion	28,409	162.84	12,442.85	76.41
Potatoes	87,567	3,522.10	307,021.29	87.17
Garlic	9,375	38.32	-	-
Taro / 'Godere'	80,424	2,109.12	173,348.65	82.19
Sweet potatoes	101,482	5,120.56	396,894.50	77.51
Fruit crops	105,991	10,094.62	996,964.89	
Avocados	19,077	223.64	11,504.27	51.44
Bananas	83,604	8,039.32	737,447.19	91.73
Guavas	1,401	1.77	-	-
Lemons	13,676	115.32	16,482.66	142.93
Mangoes	47,579	1,541.35	164,168.92	106.51
Oranges	11,227	48.49	15,899.57	327.89
Papayas	29,319	122.76	51,462.28	419.21
Pineapples	390	1.97	-	-
Chat	7,440	55.70	-	-
Coffee	104,210	2,767.27	11,428.84	4.13
Hops	19,277	120.67	1,001.59	8.30
Sugar cane	26,338	234.35	128,018.77	546.27

Table 10.11 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Benchi - Maji

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	107,850	35,808.89	514,523.60	
Cereals	99,997	29,637.26	462,376.54	
Teff	40,663	8,543.28	67,500.50	7.90
Barley	12,269	1,672.30	14,642.83	8.76
Wheat	2,139	301.39	1,176.48	3.90
Maize	62,783	11,693.41	282,881.08	24.19
Sorghum	36,606	7,153.56	92,397.34	12.92
Finger millet	1,786	173.80	3,778.32	21.74
Oats / 'Aja'	182	7.79	-	-
Rice	705	91.74	-	-
Pulses	51,523	5,982.84	52,108.29	
Faba beans	17,390	1,850.05	16,411.40	8.87
Field peas	10,973	1,574.36	11,279.38	7.16
Haricot beans	38,212	2,553.28	24,417.51	9.56
Chick-peas	195	0.08	-	-
Lentils	242	0.97	-	-
Grass peas	-	-	-	-
Soya beans	77	3.09	-	-
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	3,200	188.79	38.77	
Neug	236	35.02	-	-
Linseed	1,064	49.58	23.06	0.47
Groundnuts	483	40.51	-	-
Safflower	523	0.88	-	-
Sesame	291	53.50	-	-
Rape seed	1,545	9.30	15.71	1.69
Vegetables	67,392	632.44	42,935.46	
Lettuce	-	-	-	-
Head cabbage	1,242	20.52	-	-
Ethiopian cabbage	57,477	409.75	34,324.81	83.77
Tomatoes	1,793	40.13	-	-
Green peppers	16,141	84.98	6,102.20	71.81
Red peppers	3,447	72.79	2,508.45	34.46
Swiss chard	132	4.27	-	-
Root crops	98,111	5,018.50	307,201.76	
Beetroot	932	12.63	-	-
Carrot	742	6.14	-	-
Onion	3,301	28.94	2,832.17	97.86
Potatoes	1,622	29.64	-	-
Garlic	1,498	18.04	1,614.03	89.47
Taro / 'Godere'	94,690	4,871.48	299,790.95	61.54
Sweet potatoes	4,491	51.63	2,964.61	57.42
Fruit crops	65,605	1,249.11	92,794.28	
Avocados	7,668	77.58	6,137.74	79.11
Bananas	44,856	932.66	50,578.36	54.23
Guavas	387	0.56	10.49	18.73
Lemons	*	*	-	-
Mangoes	13,365	76.67	6,678.71	87.11
Oranges	4,125	11.10	2,879.48	259.41
Papayas	24,366	149.34	26,509.50	177.51
Pineapples	543	0.87	-	-
Chat	25,735	1,060.90	11,181.88	10.54
Coffee	90,700	8,248.44	73,411.15	8.90
Hops	9,759	47.47	494.21	10.41
Sugar cane	24,745	537.49	409,122.17	761.17

Table 10.12 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Yem Special Wereda

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	14,974	14,668.63	159,298.83	
Cereals	14,873	12,352.77	142,170.06	
Teff	11,657	4,809.93	42,843.81	8.91
Barley	9,175	1,130.15	9,320.64	8.25
Wheat	11,053	3,515.07	44,203.47	12.58
Maize	11,962	1,967.45	36,280.45	18.44
Sorghum	6,437	923.26	9,491.87	10.28
Finger millet	*	*	*	*
Oats / 'Aja'	141	*	*	*
Rice	-	-	-	-
Pulses	10,156	2,236.68	16,869.87	
Faba beans	8,390	1,282.32	10,084.51	7.86
Field peas	4,688	856.45	6,189.05	7.23
Haricot beans	488	*	*	*
Chick-peas	313	*	*	*
Lentils	1,597	58.70	322.32	5.49
Grass peas	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	1,460	7.34	27.55	3.75
Gibto	-	-	-	-
Oilseeds	1,844	79.18	258.91	
Neug	*	*	*	*
Linseed	772	53.41	203.83	3.82
Groundnuts	-	-	-	-
Safflower	-	-	-	-
Sesame	*	*	-	-
Rape seed	1,033	12.31	26.41	2.15
Vegetables	10,398	67.25	4,650.46	
Lettuce	-	-	-	-
Head cabbage	454	*	-	-
Ethiopian cabbage	9,922	60.13	4,566.32	75.94
Tomatoes	152	*	-	-
Green peppers	509	1.09	75.51	69.28
Red peppers	*	*	*	*
Swiss chard	*	*	-	-
Root crops	10,080	297.71	14,549.09	
Beetroot	816	1.35	-	-
Carrot	393	0.57	-	-
Onion	*	*	-	-
Potatoes	2,482	28.94	-	-
Garlic	1,942	4.26	-	-
Taro / 'Godere'	6,105	194.43	11,245.62	57.84
Sweet potatoes	3,224	67.87	3,303.47	48.67
Fruit crops	3,955	54.30	1,645.90	
Avocados	486	2.07	-	-
Bananas	3,175	36.15	1,005.20	27.81
Guavas	817	*	*	*
Lemons	*	*	-	-
Mangoes	591	*	*	*
Oranges	1,107	7.89	377.69	47.87
Papayas	*	*	*	*
Pineapples	*	*	-	-
Chat	6,843	150.91	1,429.09	9.47
Coffee	7,365	212.09	784.72	3.70
Hops	882	5.53	71.64	12.95
Sugar cane	4,525	108.49	51,895.41	478.34

Table 10.13 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Amaro Special Wereda

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	25,544	9,216.51	52,868.63	
Cereals	22,281	7,498.16	45,734.52	
Teff	9,417	3,540.47	20,926.54	5.91
Barley	10,270	1,011.98	6,408.17	6.33
Wheat	4,698	726.93	5,241.11	7.21
Maize	8,796	1,684.73	11,008.12	6.53
Sorghum	3,157	533.99	2,150.59	4.03
Finger millet	-	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	*	*	-	-
Pulses	18,471	1,701.86	7,134.11	
Faba beans	8,816	376.97	1,794.08	4.76
Field peas	6,701	527.19	1,943.10	3.69
Haricot beans	9,212	413.79	2,016.87	4.87
Chick-peas	746	*	826.40	*
Lentils	2,308	107.70	526.75	4.89
Grass peas	-	-	-	-
Soya beans	196	2.69	*	*
Fenugreek	*	*	*	*
Gibto	-	-	-	-
Oilseeds	452	16.49	-	
Neug	-	-	-	-
Linseed	178	*	-	-
Groundnuts	-	-	-	-
Safflower	200	3.58	-	-
Sesame	*	*	-	-
Rape seed	-	-	-	-
Vegetables	13,157	163.45	13,375.83	
Lettuce	-	-	-	-
Head cabbage	*	-	-	-
Ethiopian cabbage	12,879	161.78	13,369.39	82.64
Tomatoes	*	*	*	*
Green peppers	*	*	-	-
Red peppers	-	-	-	-
Swiss chard	-	-	-	-
Root crops	3,912	74.85	5,838.00	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	772	3.99	-	-
Potatoes	*	-	-	-
Garlic	808	1.76	-	-
Taro / 'Godere'	927	2.31	214.10	92.68
Sweet potatoes	1,973	66.80	5,623.90	84.19
Fruit crops	9,161	212.01	24,160.56	
Avocados	2,800	38.06	3,269.94	85.92
Bananas	6,667	135.40	11,865.15	87.63
Guavas	292	4.36	93.08	21.35
Lemons	796	6.08	663.39	109.11
Mangoes	934	6.00	549.26	91.54
Oranges	557	5.04	-	-
Papayas	2,119	17.06	7,719.73	452.50
Pineapples	-	-	-	-
Chat	1,842	52.68	-	-
Coffee	14,643	1,574.43	9,021.50	5.73
Hops	*	*	-	-
Sugar cane	5,226	134.36	116,146.10	864.44

Table 10.14 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Burji Special Wereda

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	8,023	4,782.65	20,953.09	
Cereals	7,262	2,808.89	13,349.34	
Teff	2,953	829.93	3,336.94	4.02
Barley	3,129	180.83	679.80	3.76
Wheat	3,150	325.62	1,065.15	3.27
Maize	3,761	935.20	6,446.93	6.89
Sorghum	2,212	535.38	1,820.52	3.40
Finger millet	*	*	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	6,952	1,970.04	7,602.18	
Faba beans	594	20.63	87.20	4.23
Field peas	785	102.80	390.32	3.80
Haricot beans	6,103	1,396.66	5,963.67	4.27
Chick-peas	1,711	373.06	1,026.32	2.75
Lentils	643	52.25	97.88	1.87
Grass peas	-	-	-	-
Soya beans	*	*	-	-
Fenugreek	461	24.22	36.78	1.52
Gibto	-	-	-	-
Oilseeds	169	*	*	
Neug	-	-	-	-
Linseed	105	*	*	*
Groundnuts	-	-	-	-
Safflower	*	*	*	*
Sesame	-	-	-	-
Rape seed	-	-	-	-
Vegetables	2,647	39.40	2,920.58	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	2,119	36.53	2,789.06	76.35
Tomatoes	355	*	*	*
Green peppers	462	0.79	-	-
Red peppers	*	*	-	-
Swiss chard	*	*	-	-
Root crops	1,911	34.50	3,111.76	
Beetroot	143	*	-	-
Carrot	*	*	-	-
Onion	517	6.02	500.78	83.19
Potatoes	866	17.28	1,621.91	93.86
Garlic	*	*	*	*
Taro / 'Godere'	*	*	-	-
Sweet potatoes	731	9.82	970.74	98.85
Fruit crops	4,114	32.74	722.55	
Avocados	692	1.09	-	-
Bananas	2,584	13.90	722.55	51.98
Guavas	968	*	-	-
Lemons	197	0.36	-	-
Mangoes	213	0.31	-	-
Oranges	150	0.45	-	-
Papayas	1,898	6.32	-	-
Pineapples	-	-	-	-
Chat	298	1.44	13.12	9.11
Coffee	3,155	84.89	432.93	5.10
Hops	173	0.26	-	-
Sugar cane	1,882	13.14	4,759.73	362.23

Table 10.15 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Konso Special Wereda

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	36,716	22,553.97	110,453.02	
Cereals	36,716	19,791.56	96,055.17	
Teff	8,137	2,482.56	11,553.72	4.65
Barley	1,814	146.25	630.81	4.31
Wheat	*	*	*	*
Maize	20,276	5,315.87	39,098.86	7.36
Sorghum	32,655	11,821.23	44,614.06	3.77
Finger millet	-	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	17,846	2,760.41	14,389.24	
Faba beans	*	*	*	*
Field peas	869	*	*	*
Haricot beans	17,655	2,421.61	12,273.02	5.07
Chick-peas	*	*	*	*
Lentils	*	*	*	*
Grass peas	*	*	-	-
Soya beans	*	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	*	*	*	
Neug	-	-	-	-
Linseed	-	-	-	-
Groundnuts	-	-	-	-
Safflower	*	*	*	*
Sesame	-	-	-	-
Rape seed	-	-	-	-
Vegetables	*	*	*	
Lettuce	*	*	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	*	*	*	*
Tomatoes	*	*	-	-
Green peppers	*	*	-	-
Red peppers	-	-	-	-
Swiss chard	-	-	-	-
Root crops	2,301	*	*	
Beetroot	*	*	-	-
Carrot	-	-	-	-
Onion	*	*	*	*
Potatoes	*	*	*	*
Garlic	-	-	-	-
Taro / 'Godere'	*	*	-	-
Sweet potatoes	1,434	*	*	*
Fruit crops	14,974	311.36	*	
Avocados	-	-	-	-
Bananas	5,579	74.43	1,777.42	23.88
Guavas	*	*	-	-
Lemons	*	*	-	-
Mangoes	1,631	6.35	-	-
Oranges	*	*	-	-
Papayas	9,317	*	*	*
Pineapples	-	-	-	-
Chat	1,504	*	-	-
Coffee	8,600	291.11	622.97	2.14
Hops	3,078	41.56	227.75	5.48
Sugar cane	*	*	*	*

Table 10.16 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Derashe Special Wereda

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	24,694	16,629.23	136,953.85	
Cereals	24,334	14,672.97	125,301.72	
Teff	8,760	2,116.98	16,600.12	7.84
Barley	4,204	542.19	4,988.95	9.20
Wheat	2,100	*	*	*
Maize	16,109	2,880.30	26,502.08	9.20
Sorghum	18,887	8,760.98	73,590.44	8.40
Finger millet	-	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	13,715	1,951.02	11,610.97	
Faba beans	1,441	*	*	*
Field peas	2,066	*	*	*
Haricot beans	11,443	959.51	4,709.49	4.91
Chick-peas	2,565	547.30	4,283.03	7.83
Lentils	*	*	*	*
Grass peas	*	*	-	-
Soya beans	-	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	457	*	*	
Neug	-	-	-	-
Linseed	*	*	-	-
Groundnuts	-	-	-	-
Safflower	*	*	*	*
Sesame	-	-	-	-
Rape seed	-	-	-	-
Vegetables	7,905	103.79	6,607.11	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	7,129	95.33	6,607.11	69.31
Tomatoes	*	*	-	-
Green peppers	737	*	-	-
Red peppers	*	*	-	-
Swiss chard	-	-	-	-
Root crops	7,421	222.73	7,777.04	
Beetroot	*	*	-	-
Carrot	-	-	-	-
Onion	3,727	146.43	7,777.04	53.11
Potatoes	1,669	24.66	-	-
Garlic	*	*	-	-
Taro / 'Godere'	1,554	*	-	-
Sweet potatoes	2,902	36.66	-	-
Fruit crops	5,255	118.73	*	
Avocados	*	*	-	-
Bananas	3,980	97.18	-	-
Guavas	*	*	*	*
Lemons	412	0.63	42.27	67.10
Mangoes	*	*	-	-
Oranges	*	*	*	*
Papayas	860	*	*	*
Pineapples	-	-	-	-
Chat	3,079	*	*	*
Coffee	12,448	236.98	1,215.72	5.13
Hops	4,301	85.81	654.75	7.63
Sugar cane	3,492	41.50	-	-

Table 10.17 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Dawro

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	68,593	30,941.10	278,583.18	
Cereals	58,853	20,017.24	170,694.77	
Teff	39,073	10,754.54	71,151.09	6.62
Barley	9,993	1,070.12	8,976.48	8.39
Wheat	9,523	1,717.77	15,944.23	9.28
Maize	16,904	3,802.11	54,634.11	14.37
Sorghum	17,902	2,509.55	19,331.33	7.70
Finger millet	*	*	-	-
Oats / 'Aja'	2,502	126.65	657.53	5.19
Rice	*	*	-	-
Pulses	47,083	10,734.34	106,619.62	
Faba beans	28,436	4,623.19	47,371.20	10.25
Field peas	16,672	3,975.95	31,405.80	7.90
Haricot beans	16,906	1,693.29	26,666.85	15.75
Chick-peas	*	*	-	-
Lentils	4,972	396.96	1,159.39	2.92
Grass peas	-	-	-	-
Soya beans	443	*	*	*
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	7,954	189.52	1,268.80	
Neug	*	*	-	-
Linseed	6,450	118.65	377.88	3.18
Groundnuts	1,346	65.18	890.92	13.67
Safflower	*	*	-	-
Sesame	*	*	-	-
Rape seed	-	-	-	-
Vegetables	37,977	259.92	21,155.27	
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	35,560	230.88	20,231.83	87.63
Tomatoes	*	*	-	-
Green peppers	4,231	12.76	764.04	59.88
Red peppers	1,879	*	*	*
Swiss chard	-	-	-	-
Root crops	60,534	3,478.11	345,910.01	
Beetroot	669	*	-	-
Carrot	-	-	-	-
Onion	594	2.92	267.23	91.52
Potatoes	2,910	31.16	3,653.49	117.25
Garlic	1,358	10.00	871.21	87.12
Taro / 'Godere'	55,371	2,845.80	280,481.66	98.56
Sweet potatoes	16,256	587.28	60,636.42	103.25
Fruit crops	40,364	556.73	31,418.10	
Avocados	11,023	56.20	-	-
Bananas	31,101	405.50	14,638.58	36.10
Guavas	*	*	*	*
Lemons	879	1.61	141.05	87.61
Mangoes	2,149	*	-	-
Oranges	2,991	*	*	*
Papayas	14,237	57.46	10,034.59	174.64
Pineapples	-	-	-	-
Chat	1,417	6.64	-	-
Coffee	36,369	886.72	5,497.64	6.20
Hops	7,492	47.29	337.64	7.14
Sugar cane	15,176	180.83	126,240.07	698.11

Table 10.18 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Basketo Special Wereda

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	11,722	3,563.86	41,637.66	
Cereals	11,500	3,149.48	38,208.19	
Teff	7,300	1,574.80	11,231.67	7.13
Barley	1,881	290.65	2,487.99	8.56
Wheat	185	31.27	107.16	3.43
Maize	8,561	835.31	18,267.44	21.87
Sorghum	5,698	416.47	6,113.92	14.68
Finger millet	61	0.98	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	8,384	385.92	3,313.38	
Faba beans	549	6.77	17.77	2.62
Field peas	3,059	108.45	785.03	7.24
Haricot beans	7,128	242.85	2,510.58	10.34
Chick-peas	133	27.07	-	-
Lentils	*	*	-	-
Grass peas	-	-	-	-
Soya beans	*	*	-	-
Fenugreek	*	*	-	-
Gibto	*	*	-	-
Oilseeds	1,745	28.47	116.09	
Neug	-	-	-	-
Linseed	711	8.50	12.89	1.52
Groundnuts	55	*	-	-
Safflower	876	11.16	103.20	9.25
Sesame	183	7.72	-	-
Rape seed	-	-	-	-
Vegetables	3,466	26.66	1,459.56	
Lettuce	-	-	-	-
Head cabbage	459	3.28	267.69	81.61
Ethiopian cabbage	2,423	16.31	1,191.87	73.08
Tomatoes	117	0.03	-	-
Green peppers	567	1.88	-	-
Red peppers	366	5.16	-	-
Swiss chard	-	-	-	-
Root crops	10,589	516.39	30,905.45	
Beetroot	112	0.19	-	-
Carrot	*	0.02	-	-
Onion	1,326	2.67	-	-
Potatoes	797	5.59	357.39	63.93
Garlic	63	0.02	-	-
Taro / 'Godere'	6,936	121.60	7,714.24	63.44
Sweet potatoes	8,920	386.29	22,833.83	59.11
Fruit crops	9,518	132.83	11,098.96	
Avocados	3,044	10.51	-	-
Bananas	8,226	102.76	10,082.08	98.11
Guavas	152	0.17	-	-
Lemons	283	0.62	-	-
Mangoes	3,629	9.89	1,016.88	102.82
Oranges	602	1.11	-	-
Papayas	1,096	7.44	-	-
Pineapples	107	*	-	-
Chat	115	0.23	-	-
Coffee	10,383	479.25	-	-
Hops	1,971	30.74	-	-
Sugar cane	4,472	69.28	28,219.02	407.32

Table 10.19 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Konta Special Wereda

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	17,710	11,983.03	116,503.74	
Cereals	16,773	8,839.34	90,093.35	
Teff	11,957	4,686.74	29,573.49	6.31
Barley	3,287	741.25	9,416.52	12.70
Wheat	2,921	554.06	7,280.65	13.14
Maize	6,504	1,518.59	28,563.57	18.81
Sorghum	6,469	1,331.26	15,185.74	11.41
Finger millet	-	-	-	-
Oats / 'Aja'	89	7.43	73.37	9.87
Rice	-	-	-	-
Pulses	12,430	3,004.43	26,369.82	
Faba beans	6,967	1,623.23	16,243.08	10.01
Field peas	4,039	833.41	5,027.73	6.03
Haricot beans	6,989	546.64	5,099.01	9.33
Chick-peas	-	-	-	-
Lentils	*	*	-	-
Grass peas	-	-	-	-
Soya beans	79	0.12	-	-
Fenugreek	*	*	-	-
Gibto	-	-	-	-
Oilseeds	1,670	139.26	40.58	
Neug	107	4.12	-	-
Linseed	629	10.20	40.58	3.98
Groundnuts	88	2.86	-	-
Safflower	*	*	-	-
Sesame	1,051	121.70	-	-
Rape seed	-	-	-	-
Vegetables	6,303	46.22	3,021.15	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	5,024	30.43	2,498.46	82.11
Tomatoes	-	-	-	-
Green peppers	793	4.81	355.34	73.88
Red peppers	1,948	10.97	167.35	15.26
Swiss chard	-	-	-	-
Root crops	16,063	1,585.10	178,197.80	
Beetroot	*	*	-	-
Carrot	-	-	-	-
Onion	275	2.61	-	-
Potatoes	790	31.59	2,017.11	63.85
Garlic	575	2.24	-	-
Taro / 'Godere'	15,086	1,481.50	169,869.10	114.66
Sweet potatoes	2,322	66.91	6,311.60	94.33
Fruit crops	12,624	301.62	15,530.83	
Avocados	3,925	18.24	684.31	37.52
Bananas	10,880	250.68	12,504.15	49.88
Guavas	848	1.77	30.95	17.49
Lemons	719	1.44	119.42	82.93
Mangoes	1,459	4.90	387.27	79.03
Oranges	1,526	3.00	259.72	86.57
Papayas	5,501	21.57	1,545.01	71.63
Pineapples	*	*	-	-
Chat	1,674	19.55	182.16	9.32
Coffee	8,279	286.80	1,089.84	3.80
Hops	2,069	9.77	120.45	12.33
Sugar cane	3,636	36.19	24,582.02	679.25

Table 10.20 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Silitie

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	139,499	89,418.85	1,410,089.71	
Cereals	136,429	81,746.35	1,333,915.11	
Teff	55,441	15,060.08	117,991.37	7.83
Barley	58,286	4,934.37	70,751.12	14.34
Wheat	75,295	17,314.40	294,294.52	17.00
Maize	110,525	29,606.00	658,698.36	22.25
Sorghum	88,161	12,816.63	169,142.47	13.20
Finger millet	20,474	1,997.47	22,879.54	11.45
Oats / 'Aja'	*	*	*	*
Rice	*	*	-	-
Pulses	103,768	7,342.77	75,459.30	
Faba beans	66,402	2,080.25	20,834.26	10.02
Field peas	27,780	1,553.40	15,394.80	9.91
Haricot beans	40,679	2,209.52	25,123.09	11.37
Chick-peas	9,402	565.61	3,303.11	5.84
Lentils	1,821	*	182.11	*
Grass peas	*	*	*	*
Soya beans	*	*	-	-
Fenugreek	2,175	18.08	37.49	2.07
Gibto	-	-	-	-
Oilseeds	15,067	329.73	715.30	
Neug	*	*	-	-
Linseed	9,215	194.85	487.65	2.50
Groundnuts	*	*	-	-
Safflower	-	-	-	-
Sesame	*	*	-	-
Rape seed	5,621	131.62	227.65	1.73
Vegetables	118,245	6,343.15	423,580.61	
Lettuce	*	*	-	-
Head cabbage	8,226	22.90	1,460.16	63.76
Ethiopian cabbage	112,671	1,824.46	160,406.92	87.92
Tomatoes	2,890	15.96	-	-
Green peppers	3,277	*	-	-
Red peppers	35,311	4,463.05	261,713.53	58.64
Swiss chard	*	*	-	-
Root crops	42,607	413.53	2,340.47	
Beetroot	8,593	8.76	1,027.56	117.30
Carrot	4,069	2.16	-	-
Onion	11,820	*	-	-
Potatoes	24,559	266.79	-	-
Garlic	3,466	*	-	-
Taro / 'Godere'	*	*	-	-
Sweet potatoes	3,672	14.34	1,312.91	91.56
Fruit crops	53,039	239.76	22,328.54	
Avocados	17,528	36.24	3,157.56	87.13
Bananas	29,975	92.06	-	-
Guavas	4,011	9.76	208.15	21.33
Lemons	4,244	5.14	-	-
Mangoes	5,734	8.86	-	-
Oranges	11,936	*	*	*
Papayas	18,503	57.51	12,965.59	225.45
Pineapples	-	-	-	-
Chat	81,125	2,433.97	28,185.41	11.58
Coffee	47,783	371.38	-	-
Hops	*	*	*	*
Sugar cane	16,466	86.64	-	-

Table 10.21 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Alaba Special Wereda

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	34,935	28,861.77	450,241.02	
Cereals	34,935	26,965.64	429,922.20	
Teff	20,805	6,428.47	43,272.83	6.73
Barley	2,209	167.04	1,701.44	10.19
Wheat	11,008	2,459.90	42,943.53	17.46
Maize	34,095	12,894.50	280,579.37	21.76
Sorghum	27,493	3,384.40	40,871.56	12.08
Finger millet	18,679	1,631.34	20,553.46	12.60
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	18,541	1,846.86	20,116.72	
Faba beans	*	*	*	*
Field peas	*	*	*	*
Haricot beans	17,363	1,719.11	19,504.60	11.35
Chick-peas	-	-	-	-
Lentils	1,344	66.00	122.00	1.85
Grass peas	-	-	-	-
Soya beans	*	*	*	*
Fenugreek	1,473	31.72	69.34	2.19
Gibto	-	-	-	-
Oilseeds	3,287	49.27	202.10	
Neug	*	*	-	-
Linseed	1,934	23.22	117.13	5.04
Groundnuts	-	-	-	-
Safflower	*	*	-	-
Sesame	*	*	-	-
Rape seed	1,030	*	*	*
Vegetables	27,634	2,152.30	*	
Lettuce	*	-	-	-
Head cabbage	2,511	13.42	-	-
Ethiopian cabbage	25,110	539.00	-	-
Tomatoes	*	*	*	*
Green peppers	2,999	9.23	-	-
Red peppers	12,271	1,590.32	-	-
Swiss chard	-	-	-	-
Root crops	12,510	683.60	-	
Beetroot	1,122	1.44	-	-
Carrot	743	*	-	-
Onion	1,766	*	-	-
Potatoes	9,870	642.93	-	-
Garlic	*	*	-	-
Taro / 'Godere'	*	*	-	-
Sweet potatoes	2,000	*	-	-
Fruit crops	8,709	36.38	1,290.85	
Avocados	2,405	3.59	-	-
Bananas	3,856	15.72	543.18	34.55
Guavas	2,160	*	-	-
Lemons	*	*	-	-
Mangoes	573	*	-	-
Oranges	*	*	-	-
Papayas	4,122	8.56	747.67	87.34
Pineapples	-	-	-	-
Chat	20,692	849.70	8,012.63	9.43
Coffee	6,297	63.50	250.81	3.95
Hops	-	-	-	-
Sugar cane	2,459	15.07	-	-

Table 11 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Gambela Region

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	29,871	9,890	171,067	
Cereals	28,385	8,840	168,018	-
Teff	*	-	-	-
Barley	*	*	*	*
Wheat	-	-	-	-
Maize	24,615	5,842	125,584	21.5
Sorghum	12,806	2,889	41,288	14.29
Finger millet	*	*	*	*
Oats / 'Aja'	-	-	-	-
Rice	*	*	*	*
Pulses	6,228	107	503	-
Faba beans	*	-	-	-
Field peas	*	*	-	-
Haricot beans	6,196	106	503	4.73
Chick-peas	*	-	-	-
Lentils	-	-	-	-
Grass peas	-	-	-	-
Soya beans	*	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	5,051	944	2,546	-
Neug	*	*	-	-
Linseed	-	-	-	-
Groundnuts	2,944	76	*	*
Safflower	*	*	-	-
Sesame	*	*	*	*
Rape seed	*	*	*	*
Vegetables	6,159	72	-	-
Lettuce	-	-	-	-
Head cabbage	*	*	-	-
Ethiopian cabbage	2,448	22	-	-
Tomatoes	2,300	12	-	-
Green peppers	1,118	11	-	-
Red peppers	1,419	25	-	-
Swiss chard	*	*	-	
Root crops	10,314	507	-	-
Beetroot	*	*	-	-
Carrot	*	*	-	-
Onion	254	*	-	-
Potatoes	1,641	*	-	-
Garlic	263	0	-	-
Taro / 'Godere'	7,542	384	-	-
Sweet potatoes	4,231	95	-	-
Fruit crops	14,687	404	-	
Avocados	1,432	7	-	-
Bananas	7,776	183	-	-
Guavas	568	*	-	-
Lemons	612	4	-	-
Mangoes	8,466	141	-	-
Oranges	1,411	13	-	-
Papayas	8,230	50	-	-
Pineapples	423	3	-	-
Chat	1,778	39	-	-
Coffee	7,544	2,308	-	-
Hops	950	7	-	-
Sugar cane	5,534	96	-	-

Table 11.1 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Zone 1

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	13,975	3,853	71,031	
Cereals	13,426	3,714	69,357	
Teff	-	-	-	-
Barley	-	-	-	-
Wheat	-	-	-	-
Maize	12,398	3,056	57,669	18.87
Sorghum	4,207	659	11,688	17.75
Finger millet	-	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	*	14	72	
Faba beans	-	-	-	-
Field peas	-	-	-	-
Haricot beans	*	14	72	5.01
Chick-peas	-	-	-	-
Lentils	-	-	-	-
Grass peas	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	*	*	*	
Neug	-	-	-	-
Linseed	-	-	-	-
Groundnuts	*	*	*	*
Safflower	*	-	-	-
Sesame	*	*	*	*
Rape seed	-	-	-	-
Vegetables	1,047	4	-	-
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	*	*	-	-
Tomatoes	*	3	-	-
Green peppers	*	*	-	-
Red peppers	-	-	-	-
Swiss chard	-	-	-	-
Root crops	2,030	*	-	-
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	-	-	-	-
Potatoes	*	*	-	-
Garlic	-	-	-	-
Taro / 'Godere'	745	*	-	-
Sweet potatoes	*	*	-	-
Fruit crops	4,363	147.34	-	
Avocados	*	*	-	-
Bananas	2,803	51.36	-	-
Guavas	*	*	-	-
Lemons	*	*	-	-
Mangoes	2,879	84.16	-	-
Oranges	*	*	-	-
Papayas	2,182	9.29	-	-
Pineapples	-	-	-	-
Chat	-	-	-	-
Coffee	-	-	-	-
Hops	-	-	-	-
Sugar cane	-	-	-	-

Table 11.2 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Zone 2

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	15,895	6,037	100,036	
Cereals	14,960	5,126	98,661	
Teff	*	-	-	-
Barley	*	*	*	*
Wheat	-	-	-	-
Maize	12,216	2,786	67,915	24.37
Sorghum	8,599	2,230	29,600	13.27
Finger millet	*	*	*	*
Oats / 'Aja'	-	-	-	-
Rice	*	*	*	*
Pulses	4,470	92	431	
Faba beans	*	-	-	-
Field peas	*	*	-	-
Haricot beans	4,438	92	431	4.68
Chick-peas	-	-	-	-
Lentils	-	-	-	-
Grass peas	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	-	-	-	-
Gibto	-	-	-	-
Oilseeds	3,010	*	*	
Neug	*	*	-	-
Linseed	-	-	-	-
Groundnuts	1,338	39	200	5.15
Safflower	297	*	-	-
Sesame	1,413	*	*	*
Rape seed	190	*	*	*
Vegetables	5,112	68	-	
Lettuce	-	-	-	-
Head cabbage	207	*	-	-
Ethiopian cabbage	2,417	21	-	-
Tomatoes	1,285	9	-	-
Green peppers	942	11	-	-
Red peppers	1,419	25	-	-
Swiss chard	*	*	-	-
Root crops	8,284	446	-	
Beetroot	*	*	-	-
Carrot	*	*	-	-
Onion	254	*	-	-
Potatoes	1,594	*	-	-
Garlic	263	0	-	-
Taro / 'Godere'	6,797	355	-	-
Sweet potatoes	2,626	63	-	-
Fruit crops	10,324	257	-	
Avocados	1,383	7	-	-
Bananas	4,973	132	-	
Guavas	475	*	-	-
Lemons	583	3	-	-
Mangoes	5,588	56	-	-
Oranges	1,319	12	-	-
Papayas	6,048	41	-	-
Pineapples	423	3	-	-
Chat	1,778	39	-	-
Coffee	7,544	2,308	-	-
Hops	950	7	-	-
Sugar cane	5,342	95	-	-

Table 12 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Harari Region

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	16,623	9,427.94	107,843.13	
Cereals	16,623	6,993.76	87,845.80	
Teff	*	*	-	-
Barley	852	*	*	*
Wheat	827	64.59	720.79	11.16
Maize	13,585	1,366.38	22,126.99	16.19
Sorghum	15,782	5,473.37	63,861.84	11.67
Finger millet	-	-	-	-
Oats / 'Aja'	*	*	*	*
Rice	-	-	-	-
Pulses	1,432	44.75	659.36	
Faba beans	*	*	-	-
Field peas	137	*	-	-
Haricot beans	951	*	*	*
Chick-peas	152	*	-	-
Lentils	*	*	*	*
Grass peas	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	*	*
Gibto	-	-	-	-
Oilseeds	9,624	2,389.43	19,337.97	
Neug	*	*	-	-
Linseed	*	*	-	-
Groundnuts	9,362	2,239.99	18,500.03	8.26
Safflower	-	-	-	-
Sesame	2,284	145.38	837.94	5.76
Rape seed	-	-	-	-
Vegetables	415	*	-	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	-	-	-	-
Tomatoes	378	*	-	-
Green peppers	*	*	-	-
Red peppers	-	-	-	-
Swiss chard	-	-	-	-
Root crops	4,244	232.73	15,634.46	
Beetroot	-	-	-	-
Carrot	-	-	-	-
Onion	-	-	-	-
Potatoes	*	*	-	-
Garlic	-	-	-	-
Taro / 'Godere'	-	-	-	-
Sweet potatoes	3,690	159.16	15,634.46	98.23
Fruit crops	10,795	192.94	1,036.31	
Avocados	*	*	-	-
Bananas	1,787	6.83	-	-
Guavas	4,464	36.20	-	-
Lemons	1,043	3.54	-	-
Mangoes	7,277	132.76	-	-
Oranges	245	*	-	-
Papayas	3,187	10.78	1,036.31	96.13
Pineapples	-	-	-	-
Chat	13,793	2,674.95	-	-
Coffee	1,524	29.19	-	-
Hops	*	*	-	-
Sugar cane	*	*	-	-

Table 13 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Addis Ababa

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	6,125	10,702.76	122,966.82	
Cereals	5,642	7,925.81	87,148.13	
Teff	4,641	3,973.89	33,446.80	8.42
Barley	388	102.99	767.01	7.45
Wheat	4,311	3,793.68	52,616.04	13.87
Maize	906	26.30	50.81	1.93
Sorghum	*	*	*	*
Finger millet	-	-	-	-
Oats / 'Aja'	71	*	*	*
Rice	-	-	-	-
Pulses	4,466	2,762.85	35,804.35	
Faba beans	1,858	216.62	1,557.01	7.19
Field peas	698	86.86	345.03	3.97
Haricot beans	97	*	*	*
Chick-peas	2,580	1,132.73	18,294.72	16.15
Lentils	1,872	471.91	3,583.98	7.59
Grass peas	3,231	771.13	11,499.21	14.91
Soya beans	-	-	-	-
Fenugreek	671	82.54	520.95	6.31
Gibto	-	-	-	-
Oilseeds	456	14.11	14.33	
Neug	*	*	-	-
Linseed	*	12.42	12.36	1.00
Groundnuts	-	-	-	-
Safflower	97	0.34	-	-
Sesame	-	-	-	-
Rape seed	316	1.26	1.97	1.56
Vegetables	2,218	17.46	-	
Lettuce	89	0.14	-	-
Head cabbage	117	*	-	-
Ethiopian cabbage	1,980	10.06	-	-
Tomatoes	-	-	-	-
Green peppers	272	0.23	-	-
Red peppers	*	*	-	-
Swiss chard	290	*	-	-
Root crops	2,354	38.44	-	
Beetroot	190	*	-	-
Carrot	378	20.11	-	-
Onion	149	0.19	-	-
Potatoes	79	*	-	-
Garlic	1,992	5.89	-	-
Taro / 'Godere'	-	-	-	-
Sweet potatoes	-	-	-	-
Fruit crops	109	0.09	-	
Avocados	*	*	-	-
Bananas	*	*	-	-
Guavas	*	*	-	-
Lemons	-	-	-	-
Mangoes	-	-	-	-
Oranges	-	-	-	-
Papayas	*	*	-	-
Pineapples	-	-	-	-
Chat	125	*	-	-
Coffee	-	-	-	-
Hops	978	9.58	-	-
Sugar cane	*	*	-	-

Table 14 - Area, Production and Yield of Crops for Private Peasant Holdings
for Meher Season 2006/2007 (1999 E.C)

Dire Dawa

Crop	Number of holders	Area in hectare	Production in quintal	yield (qt / ha)
Grain	16,762	8,550.79	104,213.87	
Cereals	16,762	7,936.95	97,801.67	
Teff	*	*	-	-
Barley	713	*	*	*
Wheat	*	*	-	-
Maize	6,939	335.48	3,749.77	11.18
Sorghum	16,676	7,553.31	93,680.09	12.40
Finger millet	-	-	-	-
Oats / 'Aja'	-	-	-	-
Rice	-	-	-	-
Pulses	6,909	433.18	4,707.26	
Faba beans	-	-	-	-
Field peas	-	-	-	-
Haricot beans	6,754	426.86	4,667.34	10.93
Chick-peas	-	-	-	-
Lentils	-	-	-	-
Grass peas	-	-	-	-
Soya beans	-	-	-	-
Fenugreek	*	*	*	*
Gibto	-	-	-	-
Oilseeds	3,265	180.66	1,704.94	
Neug	-	-	-	-
Linseed	*	*	-	-
Groundnuts	1,327	*	*	*
Safflower	-	-	-	-
Sesame	2,196	93.08	706.08	7.59
Rape seed	*	*	-	-
Vegetables	1,884	37.06	-	
Lettuce	-	-	-	-
Head cabbage	-	-	-	-
Ethiopian cabbage	*	*	-	-
Tomatoes	1,581	31.14	-	-
Green peppers	395	2.07	-	-
Red peppers	*	*	-	-
Swiss chard	*	*	-	-
Root crops	5,756	352.16	-	
Beetroot	-	-	-	-
Carrot	*	*	-	-
Onion	1,664	*	-	-
Potatoes	*	*	-	-
Garlic	-	-	-	-
Taro / 'Godere'	-	-	-	-
Sweet potatoes	4,497	156.04	-	-
Fruit crops	5,796	81.67	-	
Avocados	*	*	-	-
Bananas	491	1.60	-	-
Guavas	1,492	7.16	-	-
Lemons	494	*	-	-
Mangoes	1,448	16.34	-	-
Oranges	265	*	-	-
Papayas	3,534	51.68	-	-
Pineapples	-	-	-	-
Chat	10,436	923.40	10,748.38	11.64
Coffee	3,473	101.59	-	-
Hops	*	*	-	-
Sugar cane	-	-	-	-

APPENDIX I

ESTIMATION PROCEDURES OF TOTAL, RATIO AND SAMPLING ERRORS

APPENDIX I Estimation Procedures of Totals, Ratios and Sampling Errors

The following formulas were used to estimate total area of land under specific crop, production and yield of specific crop in a stratum.

1. For estimating Total Area of Land under Specific Crop:

$$\hat{A}_h = \sum_{i=1}^{n_h} W_{hi} \sum_{j=1}^{h_{hi}} a_{hij} = \sum_{i=1}^{n_h} W_{hi} a_{hi}$$

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 hth stratum.

M_h is the measure of size of the hth stratum as obtained from the sampling frame.

m_{hi} is the measure of size of the ith sample EA in the hth stratum obtained from the sampling frame.

H_{hi} is the total number of agricultural households of the ith sample EA in the hth stratum.

h_{hi} is the number of sample agricultural households successfully covered in the ith sample EA in the hth stratum.

a_{hij} is the value of area for agricultural households j, in the ith EA in the hth strtatum under a specific crop.

a_{hi} is the sample total area under specific crop for EA i in stratum h

$\hat{A}_h$ estimate of total area under specific crop in stratum h

2. For estimating Total Production under Specific Crop:

$$\hat{P}_h = \sum_{i=1}^{n_h} W_{hi} P_{hi}$$

in which, $P_{hi} = a_{hi} * \bar{Y}_{hi}$

Where, $\bar{Y}_{hi} = \frac{Y_{hi}}{16 C_{hi}}$ is average yield per square meter of a specific crop in the ith EA in the hth stratum.

$\hat{P}_h$ is estimate of total quantity of production of a specific crop in the h[th] stratum.

Y_{hi} is sample total quantity of production of a specific crop from defined area of land for crop cutting

of a crop in the i[th] EA in the h[th] stratum.

P_{hi} is estimate of total quantity of production under specific crop for EA i in stratum h.

C_{hi} is the number of crop cutting of a specific crop in the i[th] EA in the h[th] stratum.

3. For estimating yield of a specific crop in stratum h:

$$\hat{Y}_h = \frac{\hat{P}_h}{\hat{A}_h}$$

4. Sampling Variance of Estimates:

Sampling variance for the estimate of stratum total of area, production and yield for a specific crop are estimated by the following formulas.

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

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

$$Var(\hat{Y}_h) = \frac{1}{\hat{A}_h^{\,2}}\left[Var(\hat{P}_h) + \hat{Y}_h^{\,2}Var(\hat{A}_h) - 2\hat{Y}_h Cov(\hat{P}_h, \hat{A}_h)\right]$$

Where,

$$Cov(\hat{P}_h, \hat{A}_h) = (1 - f_h)\frac{n_h}{n_h - 1}\sum_{i=1}^{n_h}\left(\hat{A}_{hi} - \frac{\hat{A}_h}{n_h}\right)\left(\hat{P}_{hi} - \frac{\hat{P}_h}{n_h}\right) + f_h\sum_{i=1}^{n_h}(1 - f_{hi})\left(\frac{h_{hi}}{h_{hi} - 1}\right)\sum_{j=1}^{h_{hi}}\left(\hat{A}_{hij} - \frac{\hat{A}_{hi}}{h_{hi}}\right)\left(\hat{P}_{hij} - \frac{\hat{P}_{hi}}{h_{hi}}\right)$$

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

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

$\hat{A}_{hi}, \hat{P}_{hi}$ are weighted total area and production, respectively, of a specific crop in the i^{th} EA and h^{th} stratum.

$\hat{A}_{hij}, \hat{P}_{hij}$ are weighted values of area and production, respectively, from j^{th} agricultural household in the i^{th} EA and h^{th} stratum under a specific crop.

Since all strata are independent, the total variance at regional and country level is computed by aggregating the result obtained at Zone/Special Wereda level, i.e.

$$Var(\hat{A}) = \sum_{h}^{L} Var(\hat{A}_h), Var(\hat{P}) = \sum_{h}^{L} Var(\hat{P}_h) and Var(\hat{Y}) = \sum_{h}^{L} (\hat{Y}_h)$$

Where, L is the number of strata (Zone/Special Wereda).

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.

5. Coefficient of Variation (CV) of Estimates:

Coefficient of Variation (CV) in percentage of estimate of stratum total of area, production and yield for a specific crop are given by:

$$CV(\hat{A}_h) = \frac{\sqrt{Var(\hat{A}_h)}}{\hat{A}_h} * 100, CV(\hat{P}_h) = \frac{\sqrt{Var(\hat{P}_h)}}{\hat{P}_h} * 100, CV(\hat{Y}_h) = \frac{\sqrt{Var(\hat{Y}_h)}}{\hat{Y}_h} * 100$$

6. Ninety-five percent confidence interval (CI) of stratum total of area:

$$\hat{A}_h \pm 1.96 * SE(\hat{A}_h) \quad ,$$

Where $SE(\hat{A}_h) = \sqrt{Var(\hat{A}_h)}$ is standard error of the estimate of the stratum total of area.

Estimates of standard error and confidence interval for the other estimates can also be calculated by adopting the above formulas.

APPENDIX II

STANDARD ERRORS AND COEFFICIENTS OF VARIATION OF ESTIMATES

Estimate of Holders, Area, Production, Standard Errors and Coefficient of Variations
For Crops 2006/2007 (1999 E.C)

Ethiopia

Crop	Holder	Standard Error	CV%	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	11262453	84918	1	10582865	152891	1	149383914	2706847	2
Cereals	10891969	85861	1	8463080	123628	1	128629908	2446673	2
Teff	5360684	92512	2	2404674	66245	3	24377495	801555	3
Barley	3924447	89785	2	1019314	47726	5	13521480	777169	6
Wheat	4115669	90087	2	1473917	60741	4	24630639	1311335	5
Maize	7499969	104438	1	1688680	44425	3	37638813	1350606	4
Sorghum	4322066	88152	2	1461429	47324	3	23119121	893739	4
Finger millet	1355608	53450	4	374072	22012	6	4844089	309629	6
Oats / ‘Aja’	307361	22734	7	32798	3617	11	362432	46854	13
Rice	32250	10717	33	*	*	*	*	*	*
Pulses	6467507	87983	1	1378939	37814	3	15785712	541019	3
Horse beans	3389726	76236	2	459202	17421	4	5761563	263188	5
Field peas	1522305	51784	3	221715	11343	5	2100949	139526	7
Haricot beans	2331938	68431	3	223251	14238	6	2226505	167125	8
Chick-peas	802473	44167	6	200066	15582	8	2538713	233742	9
Lentils	801847	38747	5	97110	7871	8	810494	95962	12
Vetch	561909	39127	7	124954	12275	10	1837840	191281	10
Soya beans	49642	5010	10	6352	1238	20	58489	16172	28
Fenugreek	482641	27285	6	20762	2737	13	163986	25488	16
Gibto	128343	20055	16	25526	5424	21	287173	73746	26
Oilseeds	3336840	70970	2	740847	30760	4	4968294	260643	5
Neug	1068182	44032	4	274720	17885	7	1477588	108326	7
Linseed	1264356	46845	4	174108	13792	8	1082216	117857	11
Groundnuts	227414	29175	13	37050	8294	22	510801	122158	24
Safflower	221693	24558	11	13019	2253	17	111760	22439	20
Sesame	652605	41117	6	211312	18151	9	1493867	151060	10
Rape seed	676101	37422	6	30637	3206	10	292061	33821	12
Vegetables	4888491	80348	2	95194	6858	7	3451306	267203	8
Lettuce	56531	8237	15	414	168	41	*	*	*
Head cabbage	278149	17395	6	2080	308	15	101240	18055	18
Ethiopian cabbage	2625037	60082	2	23436	865	4	1591925	63253	4
Tomatoes	175205	13594	8	*	*	*	*	*	*
Green peppers	1039014	39058	4	6875	519	8	374683	26737	7
Red peppers	1668775	64449	4	56889	6041	11	1017238	125910	12
Swiss chard	72565	7575	10	114	16	14	-	-	-
Root crops	4759752	82228	2	188917	10682	6	14095463	739080	5
Beetroot	296464	16008	5	1663	415	25	144485	39006	27
Carrot	137052	10587	8	947	244	26	66941	22355	33
Onion	778415	37415	5	21392	3813	18	1784742	295218	17
Potatoes	1393926	62030	4	73095	9006	12	5256568	595104	11
Garlic	1542318	51421	3	9266	906	10	683083	67755	10
Taro / ‘Godere’	1016385	34286	3	29337	1599	5	2271506	113177	5
Sweet potatoes	1241720	41824	3	53217	3162	6	3888137	220485	6
Fruit crops	2598170	63826	2	49669	2026	4	4599851	199098	4
Avocados	669961	28752	4	4709	360	8	348451	28584	8
Bananas	1661129	52125	3	30246	1403	5	2279421	112003	5
Guavas	277627	19862	7	1363	161	12	23171	3012	13
Lemons	169450	10954	6	682	68	10	60832	6788	11
Mangoes	550510	27600	5	6655	594	9	626112	54526	9
Oranges	390317	23828	6	2600	323	12	465831	61877	13
Papayas	524999	23541	4	2735	301	11	735685	81691	11
Pineapples	26454	11242	42	*	*	*	*	*	*
Chat	2092862	62021	3	147766	8452	6	1517236	90718	6
Coffee	2941121	74908	3	292930	16094	5	2414824	136702	6
Hops	1753123	50305	3	23771	2629	11	240535	28305	12
Sugar cane	936324	35530	4	17379	1426	8	11162818	957272	9

Estimate of Holders, Area, Production, Standard Errors and Coefficient of Variations
For Crops 2006/2007 (1999 E.C)

Tigray

Crop	Holder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	730059	12533	2	857400	35910	4	10863724	605323	6
Cereals	720961	12450	2	705455	31408	4	9612887	566229	6
Teff	428922	16300	4	160741	12360	8	1573599	148995	9
Barley	393737	15542	4	101576	8662	9	1210587	103893	9
Wheat	319766	18039	6	100140	9977	10	1480627	162599	11
Maize	505755	15634	3	58613	4908	8	1026680	103908	10
Sorghum	441716	18847	4	207489	15535	7	3345063	327432	10
Finger millet	275721	15181	6	75978	6406	8	970567	91603	9
Oats / 'Aja'	3589	1371	38	*	*	*	5764	2829	49
Rice	1402	534	38	284	76	27	-	-	-
Pulses	380733	17162	5	61555	5189	8	648059	66537	10
Horse beans	207617	17279	8	17289	2000	12	208285	26770	13
Field peas	71759	8307	12	6618	1109	17	79358	21729	27
Haricot beans	46874	8758	19	3909	1354	35	32200	11178	35
Chick-peas	64789	9418	15	14697	3188	22	133718	31454	24
Lentils	70712	7967	11	8114	1472	18	71170	17955	25
Vetch	43844	8121	19	9948	2156	22	118413	24955	21
Soya beans	*	*	*	*	*	*	-	-	-
Fenugreek	42713	5381	13	928	242	26	4915	1560	32
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	263333	13563	5	90390	5715	6	602778	37486	6
Neug	52531	5288	10	7257	1421	20	49103	7948	16
Linseed	117597	9924	8	11698	2271	19	71521	14031	20
Groundnuts	*	*	*	*	*	*	*	*	*
Safflower	9188	2578	28	*	*	*	*	*	*
Sesame	122602	12020	10	71150	5127	7	481412	33634	7
Rape seed	6605	2156	33	29	10	35	-	-	-
Vegetables	260008	13627	5	2376	200	8	64637	7515	12
Lettuce	12593	2032	16	20	6	28	1312	513	39
Head cabbage	13819	2473	18	95	27	28	5572	2102	38
Ethiopian cabbage	1876	879	47	*	*	*	*	*	*
Tomatoes	35401	4985	14	300	59	20	11325	2304	20
Green peppers	71659	9056	13	482	106	22	28209	6117	22
Red peppers	161804	11965	7	1426	150	11	16689	1853	11
Swiss chard	15845	2976	19	31	9	29	-	-	-
Root crops	144588	12938	9	2387	446	19	235888	46701	20
Beetroot	4024	1385	34	*	*	*	-	-	-
Carrot	8767	2382	27	*	*	*	*	*	*
Onion	64122	7236	11	1125	346	31	113397	38576	34
Potatoes	37361	7686	21	622	251	40	57738	23606	41
Garlic	77627	9445	12	533	105	20	56723	10608	19
Taro / 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	2203	864	39	5	2	40	*	*	*
Fruit crops	34276	3773	11	340	91	27	4002	1030	26
Avocados	*	*	*	*	*	*	-	-	-
Bananas	4728	1253	26	39	13	32	*	*	*
Guavas	13032	2731	21	67	32	47	*	*	*
Lemons	13497	2216	16	44	11	26	991	186	19
Mangoes	1645	779	47	*	*	*	-	-	-
Oranges	6941	1658	24	25	11	46	*	*	*
Papayas	12814	1934	15	162	74	46	2084	729	35
Pineapples	-	-	-	-	-	-	-	-	-
Chat	6169	2876	47	*	*	*	-	-	-
Coffee	7064	1453	21	42	13	31	-	-	-
Hops	123543	11775	10	1775	411	23	26832	6254	23
Sugar cane	*	*	*	*	*	*	-	-	-

Estimate of Holders Area, Production, Standard Errors and Coefficient of Variations
For Crops 2006/2007 (1999 E.C)

Afar

Crop	Holder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	13593	1692	12	18022	3597	20	517364	185753	36
Cereals	13502	1695	13	17518	3525	20	515233	185708	36
Teff	3807	1199	32	2493	976	39	14900	6814	46
Barley	*	*	*	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*	*
Maize	12465	1494	12	13221	3107	24	490610	185456	38
Sorghum	3939	1260	32	1552	580	37	7722	2817	36
Finger millet	*	*	*	*	*	*	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	2674	874	33	260	85	33	1239	451	36
Horse beans	-	-	-	-	-	-	-	-	-
Field peas	-	-	-	-	-	-	-	-	-
Haricot beans	2485	838	34	239	81	34	1152	427	37
Chick-peas	*	*	*	*	*	*	*	*	*
Lentils	*	*	*	*	*	*	-	-	-
Vetch	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	2613	830	32	244	94	39	893	417	47
Neug	*	*	*	*	*	*	-	-	-
Linseed	259	116	45	3	1	49	-	-	-
Groundnuts	*	*	*	*	*	*	-	-	-
Safflower	1876	689	37	122	57	47	*	*	*
Sesame	1399	471	34	110	43	39	335	156	46
Rape seed	-	-	-	-	-	-	-	-	-
Vegetables	1626	528	32	30	14	46	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	*	*	*	*	-	-	-
Tomatoes	140	65	46	*	*	*	-	-	-
Green peppers	*	*	*	*	*	*	-	-	-
Red peppers	1155	449	39	11	4	38	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	975	333	34	*	*	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	935	316	34	*	*	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro / 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	*	-	-	-
Fruit crops	2136	574	27	27	12	46	1915	775	40
Avocados	*	*	*	*	*	*	-	-	-
Bananas	846	207	24	13	6	49	*	*	*
Guavas	153	60	40	*	*	*	-	-	-
Lemons	512	204	40	*	*	*	*	*	*
Mangoes	274	109	40	*	*	*	-	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	1238	470	38	4	1	41	1762	743	42
Pineapples	-	-	-	-	-	-	-	-	-
Chat	*	*	*	*	*	*	-	-	-
Coffee	*	*	*	*	*	*	-	-	-
Hops	530	246	47	*	*	*	*	*	*
Sugar cane	*	*	*	*	*	*	-	-	-

Estimate of Holders Area, Production, Standard Errors and Coefficient of Variations
For Crops 2006/2007 (1999 E.C)

Amhara

Crop	Holder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	3192624	49831	2	3638543	99743	3	49220815	1619314	3
Cereals	3151137	50141	2	2767788	78183	3	40188475	1431463	4
Teff	2008943	60231	3	939488	45482	5	9720064	544997	6
Barley	1397117	55564	4	351264	27337	8	4702311	476315	10
Wheat	1336615	54357	4	427720	33556	8	6816127	734739	11
Maize	2136586	64394	3	376937	18734	5	8687701	630938	7
Sorghum	1148413	60238	5	481219	32548	7	7891477	611245	8
Finger millet	538087	42875	8	176885	19006	11	2179392	251981	12
Oats / 'Aja'	93907	12296	13	7658	1344	18	75834	12538	17
Rice	*	*	*	*	*	*	*	*	*
Pulses	2070412	50198	2	617361	28168	5	7406889	411909	6
Horse beans	1354707	50304	4	212907	12922	6	2815740	202153	7
Field peas	566194	34825	6	80342	7285	9	802861	82463	10
Haricot beans	317532	31030	10	47242	8224	17	454538	93013	20
Chick-peas	470752	38174	8	121550	13609	11	1563034	205892	13
Lentils	397230	27757	7	52790	5696	11	396863	52253	13
Vetch	316397	30654	10	67676	9034	13	1018615	150335	15
Soya beans	*	*	*	*	*	*	*	*	*
Fenugreek	178959	17583	10	8978	1867	21	68156	15402	23
Gibto	125247	20030	16	25398	5424	21	287082	73746	26
Oilseeds	1450816	48165	3	253394	17914	7	1625451	140541	9
Neug	561991	35146	6	116927	11881	10	539394	59292	11
Linseed	512783	27801	5	44975	4451	10	214765	25102	12
Groundnuts	9951	3960	40	*	*	*	*	*	*
Safflower	160797	23369	15	11069	2223	20	103513	22351	22
Sesame	235323	32624	14	61347	12305	20	561143	120596	21
Rape seed	398343	30966	8	18014	2344	13	193679	26504	14
Vegetables	1178442	51939	4	28500	4761	17	496259	66131	13
Lettuce	10230	2658	26	*	*	*	20	10	49
Head cabbage	53322	8317	16	208	47	23	11469	2709	24
Ethiopian cabbage	225106	25430	11	819	126	15	50078	7109	14
Tomatoes	36558	6596	18	304	99	32	22208	9119	41
Green peppers	164285	19037	12	1175	324	28	59517	14896	25
Red peppers	809223	51453	6	25929	4743	18	352966	62967	18
Swiss chard	24455	4620	19	32	10	33	-	-	-
Root crops	1312090	51548	4	34211	3628	11	2667093	301003	11
Beetroot	37601	6654	18	184	91	49	7762	3287	42
Carrot	25968	3961	15	65	23	35	2928	977	33
Onion	251561	23699	9	5527	1239	22	532893	122469	23
Potatoes	490901	42608	9	23070	3211	14	1798255	258776	14
Garlic	885473	43256	5	5054	825	16	321189	59060	18
Taro / 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	32651	7635	23	311	122	39	4066	1359	33
Fruit crops	213878	22631	11	2087	489	23	215089	47533	22
Avocados	9304	2719	29	19	6	34	*	*	*
Bananas	77361	12105	16	666	199	30	25506	7871	31
Guavas	34750	7478	22	141	41	29	3286	1074	33
Lemons	55706	8204	15	182	50	28	24189	5874	24
Mangoes	26088	6328	24	249	103	41	*	*	*
Oranges	77305	12807	17	530	131	25	99139	25900	26
Papayas	63299	10506	17	*	*	*	48289	20926	43
Pineapples	*	*	*	*	*	*	-	-	-
Chat	127686	20313	16	3887	1265	33	37232	13571	36
Coffee	261057	27648	11	4943	998	20	27186	6308	23
Hops	873926	39567	5	14087	2504	18	134429	26727	20
Sugar cane	72311	11102	15	1165	304	26	718773	226356	31

Estimate of Holders Area, Production, Standard Errors and Coefficient of Variations
For Crops 2006/2007 (1999 E.C)

Oromia

Crop	Holder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	4758023	55980	1	4865726	104955	2	73839284	1999348	3
Cereals	4656908	55301	1	3997499	86348	2	65351113	1830680	3
Teff	2080711	63270	3	1082756	45107	4	11335912	559200	5
Barley	1484756	60630	4	477231	37514	8	6597459	594805	9
Wheat	1793957	63411	4	809196	48937	6	14272863	1061965	7
Maize	3478770	67954	2	948732	37148	4	22158048	1127439	5
Sorghum	1915184	55898	3	563245	29495	5	9454485	548492	6
Finger millet	436345	25780	6	92254	7794	8	1252987	126455	10
Oats / 'Aja'	193720	18679	10	23921	3339	14	276833	45044	16
Rice	7228	1725	24	164	32	20	2527	364	14
Pulses	2489148	59222	2	519020	22679	4	6123383	325486	5
Horse beans	1151269	45638	4	173037	10734	6	2190093	159376	7
Field peas	494523	31790	6	90389	7706	9	879865	105212	12
Haricot beans	1102190	48477	4	104104	9229	9	1117298	106764	10
Chick-peas	216219	19077	9	57648	6843	12	792046	105829	13
Lentils	296134	25569	9	33724	5222	15	329921	78450	24
Vetch	186250	22398	12	45177	7997	18	674166	115282	17
Soya beans	31636	4623	15	4322	1158	27	50411	16127	32
Fenugreek	232233	20067	9	10547	1986	19	89583	20248	23
Gibto	1682	643	38	*	*	*	-	-	-
Oilseeds	1358561	49259	4	349207	23902	7	2364788	205028	9
Neug	411334	25563	6	137199	12987	9	780536	82207	11
Linseed	555624	35971	6	115248	12850	11	787731	114287	15
Groundnuts	167836	28692	17	28529	8161	29	376555	115751	31
Safflower	30342	6143	20	1192	327	27	4019	1719	43
Sesame	207901	21456	10	55679	12113	22	323724	83230	26
Rape seed	225940	19879	9	11360	2169	19	92223	20849	23
Vegetables	1846821	49069	3	37083	4516	12	1311369	228706	17
Lettuce	27152	7219	27	342	166	49	*	*	*
Head cabbage	133258	12396	9	1215	285	23	52371	16453	31
Ethiopian cabbage	970260	41953	4	8184	548	7	479880	32667	7
Tomatoes	58547	9453	16	*	*	*	*	*	*
Green peppers	573416	28806	5	4324	377	9	229181	19242	8
Red peppers	524587	32905	6	18636	3284	18	239148	42371	18
Swiss chard	15390	3750	24	29	8	27	-	-	-
Root crops	1819418	54073	3	84234	9849	12	5756906	652886	11
Beetroot	174784	13036	7	1255	404	32	121836	38769	32
Carrot	61391	7864	13	516	223	43	43333	20890	48
Onion	337836	26960	8	13280	3579	27	1052189	265395	25
Potatoes	427826	39070	9	34947	8348	24	2404314	530008	22
Garlic	500956	23859	5	3358	355	11	290777	31309	11
Taro / 'Godere'	337477	27331	8	8409	1332	16	575831	90425	16
Sweet potatoes	561353	30740	5	22468	2830	13	1268626	178256	14
Fruit crops	1019737	43347	4	16250	1297	8	1579389	134024	8
Avocados	109320	13747	13	1020	241	24	71951	19068	27
Bananas	659620	34438	5	9048	904	10	658975	69293	11
Guavas	169018	16804	10	923	150	16	16594	2763	17
Lemons	38903	5299	14	127	35	28	7968	2174	27
Mangoes	280454	25413	9	3011	575	19	285311	53114	19
Oranges	159243	15664	10	914	141	15	152504	29282	19
Papayas	198234	17363	9	1192	218	18	385259	66146	17
Pineapples	4875	1597	33	*	*	*	*	*	*
Chat	1267660	43941	3	106276	7614	7	1153227	82959	7
Coffee	1223274	52451	4	194382	14621	8	1735356	127794	7
Hops	497586	23104	5	5430	415	8	53551	3938	7
Sugar cane	294829	21499	7	5861	818	14	3475489	513614	15

Estimate of Holders Area, Production, Standard Errors and Coefficient of Variations
For Crops 2006/2007 (1999 E.C)

Somale

Crop	Holder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	98510	5952	6	73683	6735	9	431778	73972	17
Cereals	98111	5964	6	72797	6686	9	430855	73879	17
Teff	-	-	-	-	-	-	-	-	-
Barley	14802	4095	28	3316	990	30	9500	2556	27
Wheat	28472	5497	19	7966	1892	24	35521	10457	29
Maize	89331	6070	7	37019	4746	13	236274	46772	20
Sorghum	60671	5449	9	24415	3029	12	149347	32210	22
Finger millet	*	*	*	-	-	-	-	-	-
Oats / 'Aja'	845	376	45	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	8757	1760	20	807	214	26	894	369	41
Horse beans	*	*	*	*	*	*	-	-	-
Field peas	*	*	*	*	*	*	*	*	*
Haricot beans	7696	1686	22	741	211	28	823	370	45
Chick-peas	*	*	*	*	*	*	*	*	*
Lentils	*	*	*	*	*	*	*	*	*
Vetch	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	2751	958	35	79	29	37	29	11	39
Neug	-	-	-	-	-	-	-	-	-
Linseed	2313	955	41	67	29	43	29	11	40
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	*	*	*	*	*	*	-	-	-
Sesame	*	*	*	*	*	*	1	0	48
Rape seed	-	-	-	-	-	-	-	-	-
Vegetables	2802	616	22	85	27	32	693	184	27
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	*	*	*	*	-	-	-
Tomatoes	2434	606	25	74	27	36	552	156	28
Green peppers	*	*	*	6	3	48	141	48	34
Red peppers	*	*	*	*	*	*	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	*	*	*	*	*	*	*	*	*
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	*	*	*	*	*	*	*	*	*
Potatoes	*	*	*	*	*	*	-	-	-
Garlic	*	*	*	*	*	*	*	*	*
Taro / 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	*	*	*	*	*	*	1493	257	17
Fruit crops	4028	791	20	272	49	18	4854	1534	32
Avocados	-	-	-	-	-	-	-	-	-
Bananas	1567	484	31	104	46	44	-	-	-
Guavas	*	*	*	*	*	*	*	*	*
Lemons	1743	173	10	58	8	13	1790	682	38
Mangoes	946	92	10	17	3	16	1669	262	16
Oranges	1017	86	8	85	11	13	-	-	-
Papayas	1280	488	38	*	*	*	*	*	*
Pineapples	-	-	-	-	-	-	-	-	-
Chat	27585	5287	19	7896	1944	25	28674	6921	24
Coffee	*	*	*	*	*	*	-	-	-
Hops	-	-	-	-	-	-	-	-	-
Sugar cane	15	11	76	*	*	*	-	-	-

Estimate of Holders Area, Production, Standard Errors and Coefficient of Variations
For Crops 2006/2007 (1999 E.C)

Benishangul - Gumuz

Crop	Holder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	149096	4296	3	179229	11964	7	2500532	235346	9
Cereals	147952	4329	3	132231	8856	7	2104210	184307	9
Teff	28434	3351	12	15720	2961	19	143465	30222	21
Barley	4099	1478	36	823	302	37	9709	3741	39
Wheat	4547	1740	38	*	*	*	*	*	*
Maize	130840	4230	3	31435	2946	9	653613	80850	12
Sorghum	101779	5177	5	58992	4729	8	887173	88489	10
Finger millet	34831	4539	13	22547	4460	20	367719	87996	24
Oats / 'Aja'	*	*	*	*	*	*	*	*	*
Rice	*	*	*	*	*	*	*	*	*
Pulses	67201	4164	6	8146	722	9	65845	7834	12
Horse beans	5631	2213	39	543	241	44	5729	2618	46
Field peas	3313	1333	40	743	345	46	*	*	*
Haricot beans	51299	4140	8	4885	557	11	44215	6877	16
Chick-peas	3064	513	17	465	162	35	*	*	*
Lentils	*	*	*	*	*	*	*	*	*
Vetch	-	-	-	-	-	-	-	-	-
Soya beans	9431	637	7	1456	239	16	8040	1209	15
Fenugreek	*	*	*	*	*	*	-	-	-
Gibto	*	*	*	*	*	*	*	*	*
Oilseeds	99257	3957	4	38852	4468	12	330477	68490	21
Neug	32603	2886	9	11566	2670	23	99489	36945	37
Linseed	7105	825	12	295	45	15	797	172	22
Groundnuts	27990	2767	10	4789	1266	26	100203	37858	38
Safflower	1435	281	20	*	*	*	*	*	*
Sesame	70739	4106	6	21693	2231	10	125584	14732	12
Rape seed	5386	1274	24	*	*	*	*	*	*
Vegetables	44851	2892	6	1045	118	11	15885	462	3
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	1979	162	8	6	1	10	483	48	10
Ethiopian cabbage	2554	292	11	12	2	16	643	104	16
Tomatoes	1884	177	9	14	2	13	-	-	-
Green peppers	5342	1028	19	34	9	27	1356	278	21
Red peppers	36339	3093	9	979	119	12	13403	348	3
Swiss chard	106	25	24	1	0	24	-	-	-
Root crops	39640	3414	9	797	170	21	72094	15014	21
Beetroot	535	248	46	0	0	44	10	2	21
Carrot	512	125	24	2	1	36	108	35	32
Onion	8461	1771	21	127	17	13	11051	1501	14
Potatoes	*	*	*	*	*	*	*	*	*
Garlic	9447	3022	32	49	18	36	4327	1593	37
Taro / 'Godere'	*	*	*	3	1	46	*	*	*
Sweet potatoes	27314	1580	6	364	36	10	34621	2511	7
Fruit crops	52488	2916	6	1219	92	8	104096	8205	8
Avocados	457	149	33	*	*	*	-	-	-
Bananas	22421	1753	8	455	29	6	25273	1973	8
Guavas	4175	431	10	44	7	16	732	85	12
Lemons	7272	789	11	21	4	19	1109	131	12
Mangoes	34484	2001	6	632	80	13	61920	7231	12
Oranges	6807	535	8	36	4	12	7755	623	8
Papayas	11593	1407	12	29	5	18	7306	1236	17
Pineapples	-	-	-	-	-	-	-	-	-
Chat	8261	714	9	106	11	10	1101	74	7
Coffee	15197	1956	13	*	*	*	2311	620	27
Hops	10872	2540	23	148	71	48	1629	778	48
Sugar cane	1333	647	49	*	*	*	4144	569	14

Estimate of Holders, Area, Production, Standard Errors and Coefficient of Variations
For Crops 2006/2007 (1999 E.C)

S.N.N.P.R.

Crop	Holder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	2281039	37135	2	921582	30310	3	11675393	495297	4
Cereals	2064371	39828	2	746936	24335	3	10154340	436981	4
Teff	805124	25479	3	199492	11073	6	1556108	97953	6
Barley	627305	32203	5	84745	6858	8	988365	111829	11
Wheat	626597	27948	4	123195	8026	7	1944795	158580	8
Maize	1124793	42892	4	220993	13329	6	4359959	317816	7
Sorghum	617848	24554	4	111470	6021	5	1226109	89843	7
Finger millet	70538	10146	14	6381	1278	20	73425	15825	22
Oats / 'Aja'	14517	3826	26	461	114	25	3324	1028	31
Rice	2232	411	18	198	72	36	*	*	*
Pulses	1435776	37372	3	168549	9725	6	1498232	112155	7
Horse beans	668474	29919	4	55208	4151	8	540159	47726	9
Field peas	385322	19681	5	43497	3857	9	333229	33432	10
Haricot beans	796060	35655	4	61668	6908	11	570973	87790	15
Chick-peas	44533	6370	14	4536	752	17	29035	6507	22
Lentils	34780	3656	11	1988	260	13	8900	1195	13
Vetch	12187	4858	40	1382	680	49	*	*	*
Soya beans	5404	1104	20	46	12	27	38	14	37
Fenugreek	27118	1863	7	216	28	13	751	39	5
Gibto	*	*	*	*	*	*	-	-	-
Oilseeds	146164	9352	6	6097	1056	17	22821	6007	26
Neug	9487	3715	39	*	*	*	*	*	*
Linseed	68548	5251	8	1809	325	18	7362	1358	18
Groundnuts	8961	1263	14	316	48	15	1388	451	33
Safflower	17821	3464	19	293	76	26	2651	833	31
Sesame	9859	1912	19	1088	253	23	124	46	37
Rape seed	39480	6332	16	832	192	23	2229	806	36
Vegetables	1549424	33992	2	26012	1979	8	1562462	121084	8
Lettuce	6465	2132	33	*	*	*	-	-	-
Head cabbage	75653	8581	11	550	104	19	31345	6596	21
Ethiopian cabbage	1422945	34674	2	14382	657	5	1059792	53677	5
Tomatoes	38284	5146	13	285	44	16	20013	4906	25
Green peppers	222919	15818	7	850	108	13	56281	9231	16
Red peppers	135470	16451	12	9906	1781	18	395032	100448	25
Swiss chard	16442	3621	22	20	3	16	-	-	-
Root crops	1425312	31474	2	66072	1889	3	5328564	163775	3
Beetroot	79330	6328	8	215	28	13	14876	2757	19
Carrot	39996	5373	13	244	83	34	*	*	*
Onion	112053	7327	7	884	146	17	58007	9874	17
Potatoes	430582	21004	5	14023	1005	7	974354	74372	8
Garlic	66304	10262	15	256	56	22	9480	2706	29
Taro / 'Godere'	677270	20682	3	20926	885	4	1695605	68061	4
Sweet potatoes	606977	27140	4	29524	1392	5	2563645	129671	5
Fruit crops	1254928	40713	3	29200	1470	5	2689470	139093	5
Avocados	550183	25102	5	3665	267	7	276121	21294	8
Bananas	892292	37141	4	19914	1053	5	1569538	87620	6
Guavas	49779	6909	14	137	21	16	2130	398	19
Lemons	50280	4333	9	242	26	11	24726	2518	10
Mangoes	197895	8388	4	2590	70	3	262910	6902	3
Oranges	138493	12464	9	1008	259	26	205927	47958	23
Papayas	229782	11634	5	982	120	12	288596	43089	15
Pineapples	*	*	*	*	*	*	*	*	*
Chat	630958	38261	6	25761	2806	11	286254	33357	12
Coffee	1426143	45632	3	91233	6508	7	649971	48124	7
Hops	245475	16914	7	2306	543	24	24046	5619	23
Sugar cane	566267	25999	5	10279	1128	11	6964412	775457	11

Estimate of Holders Area, Production, Standard Errors and Coefficient of Variations
For Crops 2006/2007 (1999 E.C)

Harari

Crop	Holder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	16623	631	4	9428	796	8	107843	11282	10
Cereals	16623	631	4	6994	586	8	87846	10611	12
Teff	*	*	*	*	*	*	-	-	-
Barley	852	421	49	*	*	*	*	*	*
Wheat	827	387	47	65	30	47	721	334	46
Maize	13585	757	6	1366	160	12	22127	3097	14
Sorghum	15782	737	5	5473	525	10	63862	8651	14
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	*	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	1432	400	28	45	18	40	659	320	49
Horse beans	*	*	*	*	*	*	-	-	-
Field peas	137	68	49	*	*	*	-	-	-
Haricot beans	951	381	40	*	*	*	*	*	*
Chick-peas	152	75	49	*	*	*	-	-	-
Lentils	*	*	*	*	*	*	*	*	*
Vetch	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	9624	1228	13	2389	442	18	19338	3736	19
Neug	*	*	*	*	*	*	-	-	-
Linseed	*	*	*	*	*	*	-	-	-
Groundnuts	9362	1219	13	2240	418	19	18500	3597	19
Safflower	-	-	-	-	-	-	-	-	-
Sesame	2284	690	30	145	50	34	838	263	31
Rape seed	-	-	-	-	-	-	-	-	-
Vegetables	415	159	38	*	*	*	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	-	-	-	-	-	-	-	-	-
Tomatoes	378	157	42	*	*	*	-	-	-
Green peppers	*	*	*	*	*	*	-	-	-
Red peppers	-	-	-	-	-	-	-	-	-
Swiss chard	-	-	-	-	-	-	-	-	-
Root crops	4244	663	16	233	66	28	15634	3927	25
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-
Potatoes	*	*	*	*	*	*	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro / 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	3690	593	16	159	40	25	15634	3927	25
Fruit crops	10795	916	8	193	41	21	1036	255	25
Avocados	*	*	*	*	*	*	-	-	-
Bananas	1787	335	19	7	2	36	-	-	-
Guavas	4464	765	17	36	11	30	-	-	-
Lemons	1043	395	38	4	2	45	-	-	-
Mangoes	7277	893	12	133	30	23	-	-	-
Oranges	245	100	41	*	*	*	-	-	-
Papayas	3187	576	18	11	3	25	1036	255	25
Pineapples	-	-	-	-	-	-	-	-	-
Chat	13793	1050	8	2675	387	14	-	-	-
Coffee	1524	517	34	29	13	45	-	-	-
Hops	179	97	54	*	*	*	-	-	-
Sugar cane	893	476	53	*	*	*	-	-	-

Estimate of Holders Area, Production, Standard Errors and Coefficient of Variations
For Crops 2006/2007 (1999 E.C)

Addis Abeba

Crop	Holder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	6125	162	3	10703	730	7	122967	11968	10
Cereals	5642	158	3	7926	512	6	87148	7969	9
Teff	4641	163	4	3974	255	6	33447	3015	9
Barley	388	60	15	103	20	19	767	156	20
Wheat	4311	196	5	3794	320	8	52616	5410	10
Maize	906	140	15	26	9	34	51	14	28
Sorghum	*	*	*	*	*	*	*	*	*
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	71	33	46	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-
Pulses	4466	188	4	2763	263	10	35804	4681	13
Horse beans	1858	140	8	217	23	10	1557	223	14
Field peas	698	83	12	87	14	16	345	61	18
Haricot beans	97	36	37	*	*	*	*	*	*
Chick-peas	2580	170	7	1133	158	14	18295	3272	18
Lentils	1872	168	9	472	51	11	3584	408	11
Vetch	3231	172	5	771	67	9	11499	1362	12
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	671	99	15	83	23	27	521	155	30
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	456	94	21	14	6	41	14	6	42
Neug	*	*	*	*	*	*	-	-	-
Linseed	*	*	*	12	6	47	12	6	48
Groundnuts	-	-	-	-	-	-	-	-	-
Safflower	97	37	38	0	0	44	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rape seed	316	94	30	1	0	33	2	1	32
Vegetables	2218	199	9	17	5	28	-	-	-
Lettuce	89	34	38	0	0	46	-	-	-
Head cabbage	117	55	47	*	*	*	-	-	-
Ethiopian cabbage	1980	209	11	10	2	20	-	-	-
Tomatoes	-	-	-	-	-	-	-	-	-
Green peppers	272	59	22	0	0	36	-	-	-
Red peppers	*	*	*	*	*	*	-	-	-
Swiss chard	290	57	20	*	*	*	-	-	-
Root crops	2354	149	6	38	12	32	-	-	-
Beetroot	190	55	29	*	*	*	-	-	-
Carrot	378	102	27	20	7	33	-	-	-
Onion	149	48	32	0	0	43	-	-	-
Potatoes	79	36	46	*	*	*	-	-	-
Garlic	1992	132	7	6	1	15	-	-	-
Taro / 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	-	-	-	-	-	-	-	-	-
Fruit crops	109	40	37	0	0	47	-	-	-
Avocados	*	*	*	*	*	*	-	-	-
Bananas	*	*	*	*	*	*	-	-	-
Guavas	*	*	*	*	*	*	-	-	-
Lemons	-	-	-	-	-	-	-	-	-
Mangoes	-	-	-	-	-	-	-	-	-
Oranges	-	-	-	-	-	-	-	-	-
Papayas	*	*	*	*	*	*	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	125	38	31	*	*	*	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Hops	978	122	13	10	2	21	-	-	-
Sugar cane	*	*	*	*	*	*			

Estimate of Holders Area, Production, Standard Errors and Coefficient of Variations
For Crops 2006/2007 (1999 E.C)

Dire Dawa

Crop	Hoder	Standard Error	CV %	Area	Standard Error	CV %	Production	Standard Error	CV %
Grain	16762	951	6	8551	734	9	104214	9112	9
Cereals	16762	951	6	7937	690	9	97802	8708	9
Teff	*	*	*	*	*	*	-	-	-
Barley	713	340	48	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	-	-	-
Maize	6939	1042	15	335	81	24	3750	1028	27
Sorghum	16676	940	6	7553	664	9	93680	8455	9
Finger millet	-	-	-	-	-	-	-	-	-
Oats / 'Aja'	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	6909	1107	16	433	89	21	4707	1038	22
Horse beans	-	-	-	-	-	-	-	-	-
Field peas	-	-	-	-	-	-	-	-	-
Haricot beans	6754	1086	16	427	89	21	4667	1031	22
Chick-peas	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	3265	521	16	181	46	26	1705	542	32
Neug	-	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	*	-	-	-
Groundnuts	1327	446	34	*	*	*	*	*	*
Safflower	-	-	-	-	-	-	-	-	-
Sesame	2196	428	19	93	27	29	706	237	34
Rape seed	*	*	*	*	*	*	-	-	-
Vegetables	1884	405	22	37	9	26	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-
Head cabbage	-	-	-	-	-	-	-	-	-
Ethiopian cabbage	*	*	*	*	*	*	-	-	-
Tomatoes	1581	413	26	31	9	29	-	-	-
Green peppers	395	129	33	2	1	46	-	-	-
Red peppers	*	*	*	*	*	*	-	-	-
Swiss chard	*	*	*	*	*	*	-	-	-
Root crops	5756	1140	20	352	129	37	-	-	-
Beetroot	-	-	-	-	-	-	-	-	-
Carrot	*	*	*	*	*	*	-	-	-
Onion	1664	624	37	*	*	*	-	-	-
Potatoes	*	*	*	*	*	*	-	-	-
Garlic	-	-	-	-	-	-	-	-	-
Taro / 'Godere'	-	-	-	-	-	-	-	-	-
Sweet potatoes	4497	963	21	156	41	27	-	-	-
Fruit crops	5796	764	13	82	24	30	-	-	-
Avocados	*	*	*	*	*	*	-	-	-
Bananas	491	167	34	2	1	43	-	-	-
Guavas	1492	351	24	7	3	35	-	-	-
Lemons	494	221	45	*	*	*	-	-	-
Mangoes	1448	307	21	16	6	37	-	-	-
Oranges	265	124	47	*	*	*	-	-	-
Papayas	3534	660	19	52	22	42	-	-	-
Pineapples	-	-	-	-	-	-	-	-	-
Chat	10436	1180	11	923	146	16	10748	1696	16
Coffee	3473	742	21	102	26	25	-	-	-
Hops	*	*	*	*	*	*	-	-	-
Sugar cane	-	-	-	-	-	-	-	-	-

APPENDIX III

NUMBER OF EAs SAMPLED AND COVERED
NUMBER OF HOUSEHOLDS SAMPLED AND COVERED
NUMBER OF FIELDS MEASURED AND CROP-CUTTINGS PERFORMED

Appendix III. Number of Planned and Actually Covered Sampling Units (EAs & Households) of the 2006/7 (1999 E.C.) Annual Agricultural Sample Survey (Meher Season).

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.wereda	Planned	Covered	Planned	Covered
Tigray	North Western Tigray	31	31	620	620
	Central Tigray	40	40	800	800
	Eastern Tigray	29	29	580	580
	Southern Tigray	40	40	800	800
	Western Tigray	25	25	500	499
	Region Total	**165**	**165**	**3300**	**3299**
Afar	Zone One	24	24	480	478
	Zone Three	24	23	480	449
	Region Total	**48**	**47**	**960**	**927**
Amhara	North Gonder	44	44	880	877
	South Gonder	44	44	880	879
	North Wello	46	46	920	920
	South Wello	48	48	960	960
	North Shewa	40	40	800	796
	East Gojam	48	47	960	939
	West Gojam	48	48	960	960
	Wag Hemira	28	28	560	560
	Awi	32	32	640	640
	Oromia	28	28	560	559
	Region Total	**406**	**405**	**8120**	**8090**
Oromia	West Wellega	36	36	720	719
	East Wellega	36	36	720	719
	Illubabor	36	36	720	720
	Jimma	48	48	960	960
	West Shewa	42	42	840	840
	North Shewa	34	34	680	680
	East Shewa	40	39	800	777
	Arsi	46	46	920	920
	West Harerghe	40	39	800	780
	East Harerghe	44	42	880	840
	Bale	40	34	800	679
	Borena	36	36	720	717
	South West Shewa	40	40	800	798
	Guji	36	35	720	695
	Kelem	36	36	720	719
	Horoguduru	36	36	720	720
	West Arsi	40	40	800	800
	Region Total	**666**	**655**	**13320**	**13083**

Appendix III (cont'd)

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.wereda	Planned	Covered	Planned	Covered
Somali	Shinile	20	20	400	399
	Jijiga	28	28	560	549
	Liben	24	20	480	394
	Region Total	**72**	**68**	**1440**	**1342**
Benishangul-	Metekel	28	27	560	540
Gumuz	Asosa	28	28	560	560
	Kemashi	24	23	480	460
	Region Total	**80**	**78**	**1600**	**1560**
SNNP	Guraghe	38	38	760	759
	Hadiya	34	34	680	663
	Kembata_Tambaro	33	33	660	659
	Sidama	44	44	880	876
	Gedeo	34	34	680	674
	Wolayita	40	40	800	800
	South Omo	33	33	660	660
	Shaka	24	24	480	480
	Keffa	36	36	720	719
	Gamo_Gofa	40	40	800	800
	Bench_Maji	32	31	640	620
	Yem Specia Wereda	20	20	400	400
	Amaro Special W.	20	20	400	400
	Burji Special Wereda	20	20	400	400
	Konso Special Wereda.	20	20	400	399
	Derashe Special Wereda.	20	18	400	360
	Dawro	32	32	640	639
	Basketo Special Wereda.	20	20	400	400
	Konta Special Wereda.	20	20	400	400
	Siltie	32	32	640	640
	Alaba Special Wereda.	20	20	400	400
	Region Total	**612**	**609**	**12240**	**12148**
Harari	**Harari**	**24**	**24**	**480**	**480**
Addis Ababa	**Addis Ababa**	**20**	**20**	**400**	**399**
Dire Dawa	**Dire Dawa**	**24**	**24**	**480**	**479**
Country Total		**2117**	**2095**	**43300**	**41807**

APPENDIX-III (b) Number of Planned and Actually Covered Sampling Units (Resettlement localities & Households) of the 2006/7 (1999 E.C.) Annual Agricultural Sample Survey (Meher Season).

	Stratum	**Resettlement localities**		**Households**	
Region	**Zone/Sp.wereda**	**Planned**	**Covered**	**Planned**	**Covered**
Tigray	North Western Tigray	2	2	40	40
	Western Tigray	32	32	640	638
	Region Total	**34**	**34**	**680**	**678**
Amhara	North Gonder	32	32	640	636
	Awi	2	2	40	39
	Region Total	**34**	**34**	**680**	**675**
Oromia	West Wellega	39	39	780	779
	East Wellega	21	21	420	420
	Illubabor	40	40	800	800
	Jimma	6	6	120	120
	West Shewa	4	4	80	80
	Bale	10	9	200	177
	Guji	6	6	120	120
	Region Total	**126**	**125**	**2520**	**2496**
Benishangul-	Asosa	2	2	40	40
Gumuz	**Region Total**	**2**	**2**	**40**	**40**
SNNP	Guraghe	4	4	80	33
	Wolayita	3	3	60	60
	South Omo	7	7	140	137
	Keffa	8	8	160	160
	Gamo_Gofa	10	10	200	197
	Benchi_Maji	5	5	100	99
	Amaro Special Wereda	3	2	60	40
	Dawro	4	4	80	80
	Basketo Special Wereda	5	5	100	100
	Konta Special Wereda	5	5	100	100
	Region Total	**54**	**53**	**1080**	**1006**
Country Total		**250**	**248**	**5000**	**4895**

Appendix III (cont'd) Number of Parcels, Fields measured and Crop-cuttings performed by Region and Zone

Region	Zone	Number of Parcels	Number of fields
Tigray	N.W. Tigray	2867	7450
	Central Tigray	3616	11074
	Eastern Tigray	2393	8244
	Southern Tigray	3967	7486
	Western Tigray	3790	7874
	Region Total	16633	42128
Afar	Zone One	1055	1386
	Zone Three	743	1908
	Regional Total	1798	3294
Amhara	North Gonder	6720	12594
	South Gonder	5088	9957
	North Wello	4466	9485
	South Wello	6094	11611
	North Shewa	5227	14436
	East Gojam	4792	9440
	West Gojam	5383	10681
	Wag Hemira	2593	5020
	Awi	3208	7731
	Oromia zone	1785	4461
	Regional Total	45356	95416
Oromia	West Wellega	3334	9443
	East Wellega	2627	7496
	Illubabor	5007	15593
	Jimma	3907	15280
	West Shewa	4409	12433
	North Shewa	4550	8625
	East Shewa	3762	7690
	Arsi	4183	10069
	West Harerghe	2352	7763
	East Harerghe	3055	8073
	Bale	3072	7672
	Borena	1665	5196
	South West Shewa	3934	11353
	Guji	1697	6769
	Kelem	5991	16157
	Horoguduru	4068	11041
	West Arsi	2231	7342
	Region Total	**59844**	**167995**

Appendix III (cont'd) Number of Parcels, Fields measured and Crop-cuttings performed by Region and Zone

Region	Zone	Number of Parcels	Number of fields
Somali	Shinile	745	1885
	Jijiga	1284	3375
	Liben	764	1393
	Regional Total	2793	6653
Benish-Gumuz	Metekel	1917	4229
	Asosa	2223	5757
	Kemashi	1424	3113
	Regional Total	5564	13099
SNNP	Guraghe	1667	12205
	Hadiya	1301	11391
	Kembata_Tambaro	1360	11043
	Sidama	1855	8616
	Gedeo	1825	5105
	Wolayita	1365	12171
	South Omo	1942	6647
	Shaka	1537	5445
	Keffa	2471	12762
	Gamo_Gofa	3105	12668
	Bench_Maji	1909	7024
	Yem SpeciWereda	1555	6432
	Amaro Special W.	1056	4203
	Burji Spec.Wereda	1237	4056
	Konso S. Wereda.	1494	2777
	Derashe Wereda.	1055	2704
	Dawro	1252	9235
	Basketo Wereda.	1226	8315
	Konta Sp. Wereda.	887	7670
	Siltie	1764	9772
	Alaba Sp. Wereda.	1056	5594
	Regional Total	32919	165835
Harari		1844	4373
Addis Ababa		750	1664
Dire Dawa		1630	3570
Country	**Total**	170287	506810

APPENDIX IV

QUESTIONNAIRE

Ag.S.S. Form 99/**0**

Central Statistical Agency
National Integrated Household Survey
Agricultural Sample Survey, 2006/2007 (1999 E.C.)

Part I - Identification Particulars

1	***2***	***3***	***4***	***5***
Region	Zone	Wereda	Farmers' Association / Resettlement village	Enumeration Area / Resettlement locality

Part II – List of Households, Agricultural and non – agricultural Holders and order of selection

1	***2***	***3***		***4***		***5***	***6***	***7***
Household ID	Name of Household Head	Is there Agricultural Holder in The Household? Yes = 1 No = 2	code	Agricultural / Non - agricultural Holder ID Within the Household		Holder's Name	Agricultural Household ID	Selection Order

	Name	Signature	Date
Enumerator's			
Supervisor's			
Branch Office Head			

1.Total Number of Agricultural Households_____
2. Random Interval _____
3. Random Start _____

Part II – List of Households, Agricultural Holders and order of selection

1	2	3		4		5	6	7
Household ID	Name of Household Head	Is there Agricultural Holder in The Household? Yes = 1 No = 2	code	Agricultural / Non - agricultural Holder ID Within the Household		Holder's Name	Agricultural Household ID	Selection Order

	Name	Signature	Date
Enumerator's			
Supervisor's			
Branch Office Head			

1.Total Number of Agricultural Households_____
2. Random Interval _____
3. Random Start _____

Ag.S.S, Form 99/1

Central Statistical Agency

National Integrated Household Survey

Agricultural Sample Survey, 2006/2007 (1999 E.C.)

Part I - Identification Particulars

1	*2*	*3*	*4*	*5*
Region	Zone	Wereda	Farmers' Association Resettlement village	Enumeration Area Resettlement locality

Part II – List of Selected Agricultural Households and Holders

1	2	3	4	5	6	7
Household ID	Name of Household Head	Holder ID	Name of Holder	Farm Type Crop = 1 Livestock = 2 Both = 3 Crop & non-agri=4 Livestck &non-agri=5 All = 6 Non-agri = 7 code	Selection Order	Remarks

	Name	Signature	Date
Enumerator's			
Supervisor's			
Branch Office Head			

Part II – List of Selected Agricultural Households and Holders

1	*2*	*3*	*4*	*5*	*6*	*7*
Household ID	Name of Household Head	Holder ID	Name of Holder	Farm Type Crop = 1 Livestock = 2 Both = 3 code	Selection Order	Remarks

	Name	Signature	Date
Enumerator's			
Supervisor's			
Branch Office Head			

Form AgSS 99/2A

CENTRAL STATISTICAL AUTHORITY
ETHIOPIAN AGRICULTURAL SAMPLE SURVEY 2005/06 (1998 E.C)

PART I – IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Region	Zone	Wereda	PA / REST.AR	EA LOCAL	HH ID	HH HEAD SEX 1=M 2=F	HOLDER ID	HOLDER'S NAME	AGE	SEX M=1 F=2	HIGHEST GRADE COMPLETED	HOLDER'S HH SIZE	FARMING TYPE CROP=1 LIVEST=2 BOTH=3

PART II – CROP FIELD / OTHER LAND USE

15		16	17					
			PARCEL NO.		FIELD NO.			
			IS THE FIELD PURE STAND =1 MIXED CROP =2 OTHER LAND USE=3					
			CROP/OTHER NAME		CROP NAME		CROP NAME	
SER. NO.		QUESTIONS FOR THE HOLDER	CODE		CODE		CODE	
0	1	Ownership Own = 1 Rented in =2 Other =3						
0	2	Is field under Extension Program? Yes =1 No = 2						
0	3	Is Field Irrigated? Yes =1 No =2						
0	4	If Field Irrigated source of water River =1 Lake =2 Pond =3 Harvested water =4 other =5						
0	5	Is Field Prevented form Erosion Yes = 1 No =2						
0	6	If yes in #5, common way of prevention Terracing = 1 Other =5 Water catchments =2 Afforestation = 3 Plough along the cont. = 4						
0	7	Percent share of mixed crops						
0	8	Number of Fruit Trees *(excluding coffee, chat, pineapple, sugarcane*)						
0	9	Number of Fruit Bearing Trees *(excluding coffee, chat, pineapple, sugarcane)*						
1	0	Seed / Seedling Type Improved Seed = 1 indigenous seed = 2						
1	1	*For Cereals, Pulses & Oilseeds only* Quantity of improved seeds used	Kilo	Gram	Kilo	Gram	Kilo	Gram
1	2	*For Cereals, Pulses & Oilseeds only* Price of improved seeds used	Birr	Cents	Birr	Cents	Birr	Cents
1	3	*For Cereals, Pulses & Oilseeds only* Quantity of indigenous seeds used	Kilo	Gram	Kilo	Gram	Kilo	Gram
1	4	Was crop damaged ? Yes = 1 No =2						
1	5	If yes in question number 14, Cause of damage Code →						
1	6	Percent of damaged crop						
1	7	Prevention/precaution measure taken? Yes =1 No =2						
1	8	Type of measure if any? Chemical = 1 Non – chemical = 2 Both = 3						
1	9	Chemical type used if any Pesticide =1 herbicide =2 Fungicide =3 1&2 = 4 1 & 3 = 5 2 & 3 = 6 All = 7						
2	0	Is Fertilizer Used? Yes =1 No = 2						
2	1	Type of fertilizer used if any? Natural = 1 Chemical = 2 Both = 3						
2	2	If chemical fertilizer used 22.1 Type UREA = 1 DAP = 2 Both = 3						
		22.2 Quantity of chemical fertilizer used	Kilo		Gram			
2	3	If natural fertilizer used, type Manure = 1 Compost = 2 Organic = 3 1 &2 = 4 1&3 = 5 2 & 3 = 6 All = 7 others = 8						
2	4	How often is temporary crop field used in Meher (main) season?						
2	5	If twice in #24 which crop is the 2nd harvest?	Crop name	code	Crop name	code	Crop name	code
2	6	What was the previous state of the field ? Falow =1 crop field =2 Virgin =3 Rented in cropfield =4 other =5						

PART III – RESULTS OF AREA MEASUREMENTS

18	19	20	21	22	23	24	25	26
Is the field measured?		Yes =1		No = 2	Code		→	
Side	1 - 2	2 - 3	3 -	4 -	5 -	6 -	7 -	8 -
Bearing (0)								
Length								
Side	9 -	10 -	11 -	12 -	13 -	14 -	15 -	16 -
Bearing(0)								
Length								
Side	17 -	18 -	19 -	20 -	21 -	22 -	23 -	24 -
Bearing (0)								
Length								
Side	25 -	26 -	27 -	28 -	29 -	30 -	31 -	32 -
Bearing (0)								
Length								
Field Measurement	date	month	**Closure error**		Area in square meters			

For fields selected	Selected corner number		Shortest side length		Random number	
For crop cutting	Shortest side Bearing		Longest side length		Random number	

Form AgSS 99/2B

CENTRAL STATISTICAL AUTHORITY

ETHIOPIAN AGRICULTURAL SAMPLE SURVEY 2005/06 (1998 E.C)

PART I – IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Region	Zone	Wereda	PA / REST.AR	EA LOCAL	HH ID	HH HEAD SEX 1=M 2=F	HOLDER ID	HOLDER'S NAME	AGE	SEX M=1 F=2	HIGHEST GRADE COMPLETED	HOLDER'S HH SIZE	FARMING TYPE CROP=1 LIVEST=2 BOTH=3

PART II – MISCELLANEOUS QUESTIONS FOR THE HOLDER

15	16	17
SER.NO.	QUESTIONS	CODE
1	Do you exercise crop rotation on your land holing? Yes = 1 No = 2	
2	Reason for not using chemical fertilizers on any one of your crop fields Ignorance = 1 High price = 2 Lack of Money = 3 Non – availability of supply = 4 lack of credit service =5 Skeptical of the outcome = 6 Others (specify) = 7	
3	Reason for not participating in Extension Program Ignorance = 1 Lack of Money = 2 Skeptical of the outcome = 3 Non – availability of the program = 4 Lack of adequate crop fields = 5 Others (specify) = 6	
4	Do you get credit services? Yes = 1 No = 2	
5	If no in # 4 Why? Non availability of the service = 1 Unable to pay the loan = 2 Inadequate services provided = 3 Ignorance = 4 Does not yield any results = 5 Others = 6	
6	Do you get advisory services? Yes = 1 No = 2	
7	If no in # 6 Why? Non availability of the service = 1 Inadequate services provided = 2 Inadequate services provided = 2 Ignorance = 3 Does not yield any results = 4 Others = 5	
8	Your major supplier of fertilizer is Government organizations = 1 Private organizations = 2 Merchants = 3 Others (Specify) = 4 Never used fertilizer = 5	
9	How many oxen do you have in this Meher season?	
10	If you have one or no ox how do you plough? By renting ox = 1 By pairing mine with someone's ox = 2 By pairing mine with cow/ horse =3 Using horses or cows = 4 Hand digging = 5 Using borrowed oxen = 6 others = 7	
11	Total number of fields recorded for the holder	
12	Total number of crop fields recorded for the holder	
13	Has the holder ploughed additional fields over that of the previous year? Yes =1 No = 2	
14	If yes in question # 13, what was the previous state of the additional fields? Holder's virgin land = 1 Public/ Community virgin land = 2 Borrowed fallow land = 3 Other = 4	

Form AgSS 99/4A

CENTRAL STATISTICAL AGENCY
FORECAST OF PRODUCTION, MEHER, 2006/07 (1999 E.C.)

Part I - Identification Particulars

1	2	3	4	5
Region	Zone	Wereda	Farm Assoc. / Resett. Locality	EA / Locality

Part II - Forecast of Production (Meher season)

1		2	3	4	5	6		7	8		9	
Serial no.		Holder's name	Household ID	Holder's ID	Number of Crop fields	Productivity compared against Meher season of last year						
						Increases = 1 Same as before = 2 Decreases = 3		If increment			If d	
							code	Increment in percent	Major reason for increase in productivity	code	Decrement In percent	

Form AgSS 99/4B

CENTRAL STATISTICAL AGENCY
FORECAST OF PRODUCTION, MEHER, 2006/07 (1999 E.C.)

Part I - Identification Particulars

1	2	3	4	5
Region	Zone	Wereda	Farm Assoc. Resett. Locality	EA / Locality

Part II - Forecast of Production, (Meher season)

1	2	3		4	5
		This year's Meher season productivity compared against that of last year's Meher			
Crop type	Code	Increase = 1 Same as before = 2 Decrease = 3	code	Increment / decrement in percent	Expected productivity change in percent
Teff	07				
Barley	01				
Wheat	08				
Maize	02				
Sorghum	06				
Finger millet	03				
Oats / Aja	04				
Rice	05				
Faba beans	13				
Field peas	15				
Haricot beans	12				
Chick – peas	11				
Lentils	14				
Grass peas	16				
Fenugreek	36				
Gibto	17				
Neug	25				
Linseed	23				
Groundnuts	24				
Safflower	28				
Sesame	27				
Rapeseed	26				
Soya beans	18				