

THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA
CENTRAL STATISTICAL AUTHORITY
AND
HARARI REGION AGRICULTURAL BUREAU

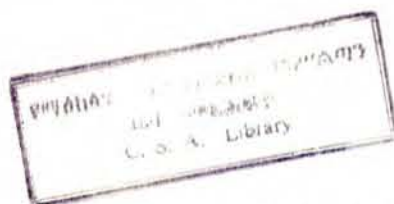
HARARI REGION
AGRICULTURAL CROP, LIVESTOCK
AND
POPULATION SAMPLE CENSUS
1997/98 (1990 E.C.)
VOLUME II

REPORT ON
LIVESTOCK, POULTRY AND BEEHIVES POPULATION

ADDIS ABABA
JANUARY 1999

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AND
THE PEOPLE'S REPUBLIC OF SOMALIA



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Table of Contents

	<u>Page</u>
Part I. Introduction and Objective of the Sample census.	1
1. Introduction	1
2. Objective of the census	3
Part II. Survey Methodology, Data Collection and Processing	5
1. Scope, Coverage and Content of the Census.	5
2. Formulation of Concepts and Preparation of Questionnaires	6
3. Basic Concepts and Definitions	6
4. Sample Design	9
5. Field Organization	9
6. Training of Field Staff	10
7. Method of Data Collection	10
8. Data Entry, Coding & Processing	11
Part III. Summary of Results	13
3.1 Regional Distribution of Livestock, Poultry & Beehives.	13
3.2 Farmer's Association Distribution of Livestock.	17
3.3 Distribution of Livestock by Age group	24
3.4 Utilization of Livestock, Poultry & Beehives.	28
3.5 Number of Milking Cows, Average Milk Yield and Average Lactation Period by Breed	31
3.6 Milk Price and Utilization	33
3.7 Livestock Feeding Pattern	36
3.8 Dung Utilization	38
3.9 Agricultural Holders Grazing land Situation.	40
3.10 Feed Availability.	41

Annex I	Distribution of Livestock by Age group and FAs.	43
Annex II	Utilization of Livestock, Poultry and Beehives by FA	71

Part I Introduction and Objective of

The Sample Census

1. Introduction

The Central Statistical Authority in collaboration with the Harari Region Agricultural Bureau has conducted Agricultural Crop, Livestock and Population Sample Census (ACLPS Census) in the rural parts of the Region in the year 1997/98 (1990 E.C.).

The initiative of conducting this survey came from the Harari Region Agricultural Bureau and Central Statistics Authority (CSA) was responsible for developing the survey design, preparation of survey materials, training and organizing the data collection as well as managing the execution of the technical and administrative aspects of the survey and thereby processing the resulting data and preparation of this report. The financial assistance for undertaking this survey was donated by the United Nations Development Programme (UNDP).

The ACLPS Census is carried as component of the regular CSA Agricultural Sample Survey (AGSS) program and included:

- a) conventional CSA's agricultural crop production forecast survey of Meher season,
- b) conventional CSA's Meher and Belg season area and production survey of 1997/98 (1990 E.C.).
- c) More over, this survey was supplemented with the following:

- i) the 1996/97 (1989 E.C.) Belg season data,
- ii) other supplementary variables on agriculture that are of special interest to the Harari Region Agricultural Bureau,
- iii) Human population census,
- iv) livestock and poultry population census

In this Bulletin which is Volume II of the ACLPS census report presented the 1997/98 (1990 E.C.) objectives, scope, coverage and the content of the ACLPS census; formulation of concepts and preparation of questionnaires; concepts and definitions of the census; sample design; field organization and training of field staff; method of data collection; and census results on livestock poultry & Beehives Population, Average Milk yield and Lactation period, Milk price and utilization, Livestock feeding pattern and Dung Utilization, grazing land status and feed availability.

The preparation of certain plans and the strategy for carrying out such a comprehensive program are essential for the effective and successful implementation of such census. The early planning phases of the budget and scheduling of various complex operations including administrative matters required close supervision. This task was materialized from the planning to the publication stage by the Agricultural Statistics Department of the CSA.

2. Objectives of the ACLPS Census

The main objective of the ACLPS census was to collect basic and detailed quantitative information on the region's population characteristics and conditions of agriculture that are essential for the region's development planning.

In Particular the specific objectives were to estimate:-

- population size by sex; number of head of households by sex; the size of Population who have work by type of activity; Persons who have potential but not engaged in productive work; number of livestock and poultry by type, purpose, sex and age; number of beehives and honey production; estimation of the total cultivated land, total production and yield of major crops per hectare; different types of land utilization; farm management practices; usage, quantity and cost of agricultural inputs; utilization of agricultural Produces; and means of transportation for marketing agricultural products of the peasant households in the region at Farmer association levels.

PART II. SURVEY METHODOLOGY, DATA

COLLECTION AND PROCESSING

1. Scope, Coverage and Content of the ACLPS Census

The 1997/98 (1990 E.C.) Harari Region ACLPS Census covers the entire rural area of the region. The urban areas were not covered by the survey. All 17 FAs, i.e., a total of 65 rural EAs were included in the coverage of the ALPS census. For the head count of human population, livestock and poultry population, a complete enumeration of households was carried out. Thus, information on population size, sex, number of persons by type of activity, number of livestock and poultry by type, purpose, age and sex was obtained by complete enumeration. Moreover, the number of beehives by type, the amount of honey were collected from this complete enumeration of the households. However, for certain items such as number of milking cows, average milk yield per cow, average lactation period, milk utilization, status of grazing land, dung utilization and feed availability, a sample of 65 agricultural households with in each EA where systematically selected and the data were collected.

In this report, which is volume II of the 1997/98 (AC) Harari Region ALPS census, information on number of livestock by type, sex, age category and Purpose; number of poultry by kind; number of beehives by type & average honey Production; average yield and lactation period; milk price and utilization in different seasons; livestock feeding pattern, dung utilization, the status of grazing land and feed availability in the Region are Presented.

2. Formulation of Concepts and Preparation of Questionnaires

The concepts and categories of classification for the topics to be investigated were established by experts assigned by CSA in collaboration with the staff of the Harari Region Agricultural Bureau Planning and Programming as well as other relevant departmental professional staff members of the bureau.

The initial survey questionnaires were drafted by the Harari Region Agricultural Bureau technical staff members and presented to the CSA. Hence, the drafted questionnaires were reviewed by the CSA professional staff in order to meet professional standards and to be incorporated into the AGSS documents.

3. Basic Concepts and Definitions

Standardized data collection concepts and definitions in the survey process are useful to obtain reliable data from the survey. These concepts and definitions used by all field enumerators during data collection in the field help to ensure that each agricultural holder provides answers to the questions asked in similar manner. Following are given the definition of the important concepts and definitions used in the survey.

Enumeration Area (EA):- An enumeration area in rural parts of the country is a locality that is less than or equal to a farmer's association 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 provision for his own food or other essentials for living with any other person to form part of a multi-person household or

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

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

Head of a Household:- is any member of the household who is recognized as a head by the members. In a polygamous marriage where the wives have separated households the husband is considered to be the head of household of the first wife. The other wives or other members (eg. elder son) is considered to be the head of their respective households.

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 technical unit by one person alone, or with others without regard to title, legal form, size or location.

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

Draught Animals:- For this survey refer to animals that are engaged in activities such as ploughing, threshing ... etc.

Dairy Cows:- Refer to any type of cow used to give milk previously and/or provide milk currently or have never given milk during the year, February 9, 1997 to February 8, 1998 but expected to give milk in the future.

Milking Cows:- Refer to cows actually milked during the year, February 9, 1997 to February 8, 1998.

Meat Purpose:- Cattle, sheep and Goats reared only for meat purpose either for home consumption or for sale are defined as animals used for meat purpose.

Laying Hens:- Refer to all hens and pullets of all types which have laid eggs during the year February 9, 1997 to February 8, 1998.

Livestock for other Purposes:- Cattle which are used for activities like transporting, hauling ... etc. (other than animals kept for draught, milk and beef purposes) are categorized as cattle for other purposes. Sheep and Goats that are kept for other purposes other than breeding, wool, meat and milk production are included in this category.

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

Straw:- For these surveys residue which is produced as a by product using for animal feed.

Hay:- For these surveys animal feed which is stored as a surplus in winter season for future use.

Factory By-Product:- For these surveys by product which are used for cattle feed.

Fatted Cattle:- Cattle which are fed purposely for meat purpose.

4. Sample Design

The 1997/98 (1990 E.C.) AGSS portion of the ACLPS census conducted in the Harari Region covered only the rural parts of the region. The region consists of 17 Farmers Associations (FAs) which are delineated into 65 enumeration areas (EAs) based on the 1994 population and housing census map work. Each FA was defined as domain for which major findings of the survey were to be reported. The census data of livestock and poultry population were collected from all agricultural households in all FAs/EAs in the rural parts of the Region.

The Livestock census questionnaire were administered to all agricultural holders in the 17 Farmer Associations (65 Enumeration Areas) to collect data on livestock and poultry population as well as beehives inventory. However, for certain items such as number of milking cows, average milk yield per cow, average lactation period, milk price and utilization in different seasons, livestock feeding pattern, dung utilization, status of grazing land and feed availability, a sample of 65 agricultural households within each EA were systematically selected from a fresh list of households prepared at the beginning of the field work. The distribution of sampled households is given in **volume I** Table A.

5. Field Organization

The Harari Region Central Statistical Authority Branch Statistical Office head, experts from Central Statistical Authority head office and field supervisors participated in the management of the ALPS census i.e. training, supervision of data collection, review of questionnaires,...etc. Enumerators and other support staff and drivers were involved in the operation of the survey. Development Agents (DA) from the Harari Region Agricultural

6. Training of Field Staff

The appropriate questionnaires and instruction manuals were prepared for field enumeration procedures. All survey materials were prepared and printed at CSA before the training activity commenced. Procurement of all necessary field supplies and equipment were made and actual disbursements were made during the training program. The training program was carried out for 65 enumerators, 13 supervisors in which five of them were from Central Statistical Authority and the remaining were from the regional agricultural bureau. In order to get a better understanding of the Sample Census, four professional field staff members of the bureau have participated in the training from different disciplines i.e. a statistician, a plant scientist, an assistant veterinarian and an agricultural economist.

The training of the enumerators consisted of detailed class room instruction on the objectives and purposes of the survey, concepts and definitions, method of area measurement, method of crop cutting, interviewing procedures, etc. The training program was also supplemented by field practices with respect to field measurement, crop cutting methods and interviewing techniques.

7. Method of Data Collection

The ACLPS census data were collected using standard questionnaires on the basis of subjective method. In the livestock census a fresh list of households was prepared & then agricultural households were identified from the list of households. Thus data on livestock, poultry and beehives were collected by total enumeration. However, data on average milk yield per cow, lactation period, milk utilization in different seasons, livestock feeding pattern, dung utilization, status of grazing land and feed availability were collected by sampling 65 households systematically from the total agricultural households using interviewing techniques.

8. Editing, Coding , Verification and Processing.

a) Editing,Coding and Verification

Intensive training was given to the editors and verifiers on how the questionnaires were to be edited and coded. In addition, the professional staff of the Agricultural Statistics Department of CSA has also helped in supervising the data editing and coding activity. The task of these staff were to answer questions, clear doubts, make corrections, etc. and to facilitate the editing and coding process. Moreover the edited and coded questionnaires were verified by senior editors on 100 % basis.

b) Data Entry, Cleaning and Processing

The information on the questionnaires were first coded and then secondly entered into personal computers (PCs) using IMPS (Integrated Microcomputer Processing System) software by CSA data entry support staff. The third step in the data processing activity was further computer editing that involved the checking and cleaning of the encoded data for accuracy, reasonableness, and validity. The final step of the data processing activity is summarization or tabulation of the checked and cleaned data. The final Livestock & Poultry census results in tabular forms that are indicated in the tabulation plan were summarized and produced by PCs.

Part III. SUMMARY OF RESULTS

3.1 Regional distribution of Livestock, Poultry & Beehives

The total number of Livestock Population in the rural parts of Harari Region was found to be 51,012 heads as presented in Table 1.

Table 1 Number and Percentage distribution of LIVESTOCK, POULTRY and BEEHIVES Population by type and sex, Private holdings, Harari Region, 1997/98 (1990 E.C)

Type and sex	Male		Female		Total	
	Number	%	Number	%	Number	%
Cattle	11,537	57.59	16,545	53.41	28,082	55.05
Sheep	1,003	5.01	2,044	6.60	3,047	5.97
Goats	4,453	22.23	10,646	34.37	15,099	29.60
Asses	2,802	13.99	1,348	4.35	4,150	8.14
Mules	-	-	-	-	-	-
Camels	238	1.19	392	1.27	630	1.24
Total	20,033	100.00	30,975	100.00	51,008	100.00
Poultry	-	-	-	-	24,668	100.00
Beehives	-	-	-	-	495	100.00

Of the total Livestock population the share of cattle, sheep & goats were 28,082 (55.05%), 3,047 (5.97%) and 15,099 (29.60%) heads, respectively. The remaining 4,784 (9.38%) were draught animals consisting Asses & Camels.

The total number of poultry & Beehives reported in the rural parts of the Harari region were 24,668 and 495, respectively.

In the region cattle have a great share among the livestock which is 55.05% followed by goats in which its percentage contribution to the total livestock population of the region is 29.60%. Mules were not reported at the time of the enumeration.

It should be noted that sums may not equal region totals because of rounding and "-" indicates no data was reported.

Harari Region		
	Number	Percentage
Cattle	15,500	55.05%
Goats	8,700	29.60%
Sheep	1,000	3.40%
Poultry	24,668	85.95%
Beehives	495	1.65%
Mules	-	-
Total	28,000	100.00%

Figure 1. Number of Livestock By Sex
Harari Region, 1997/98 (1990 E.C)

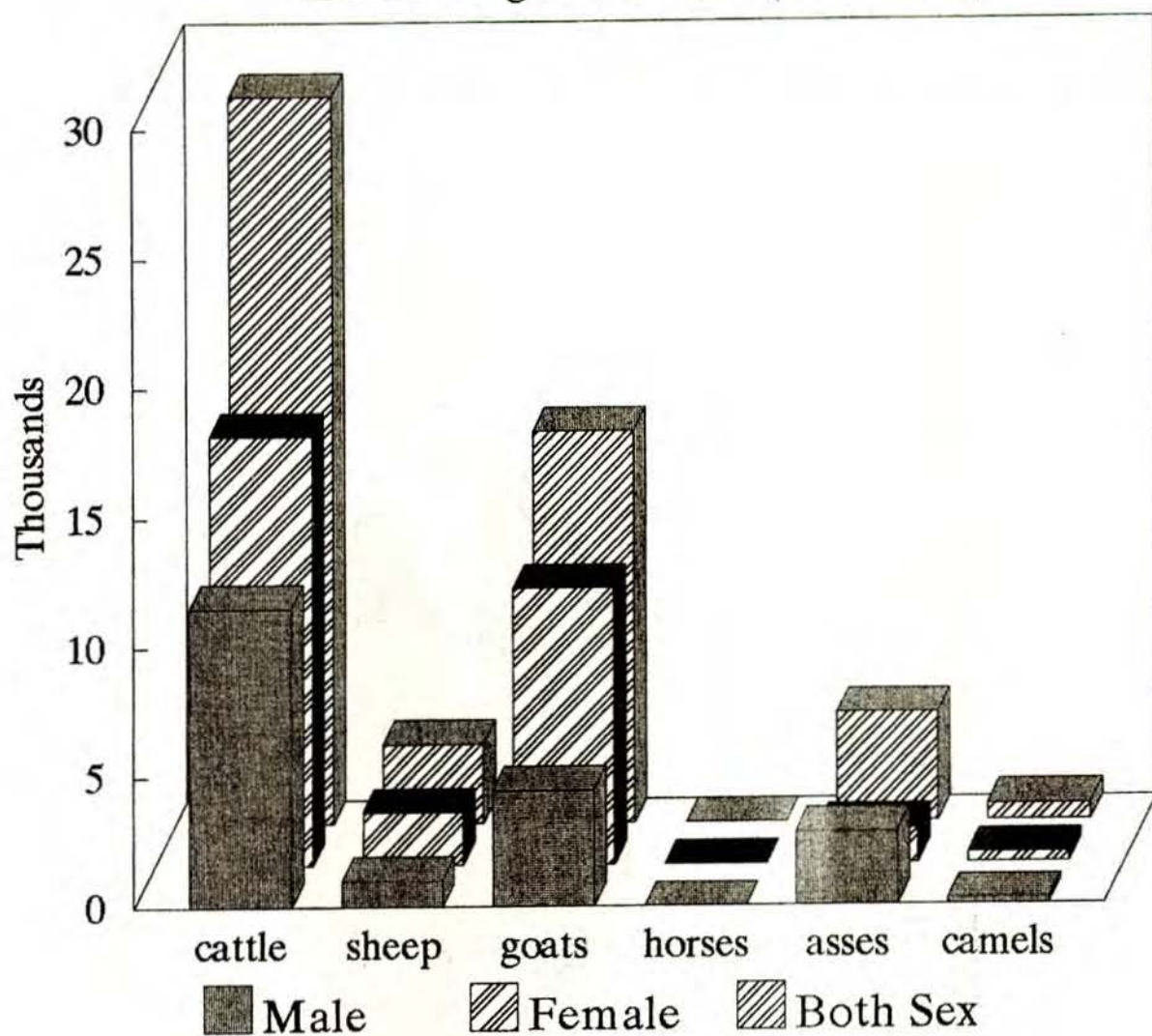
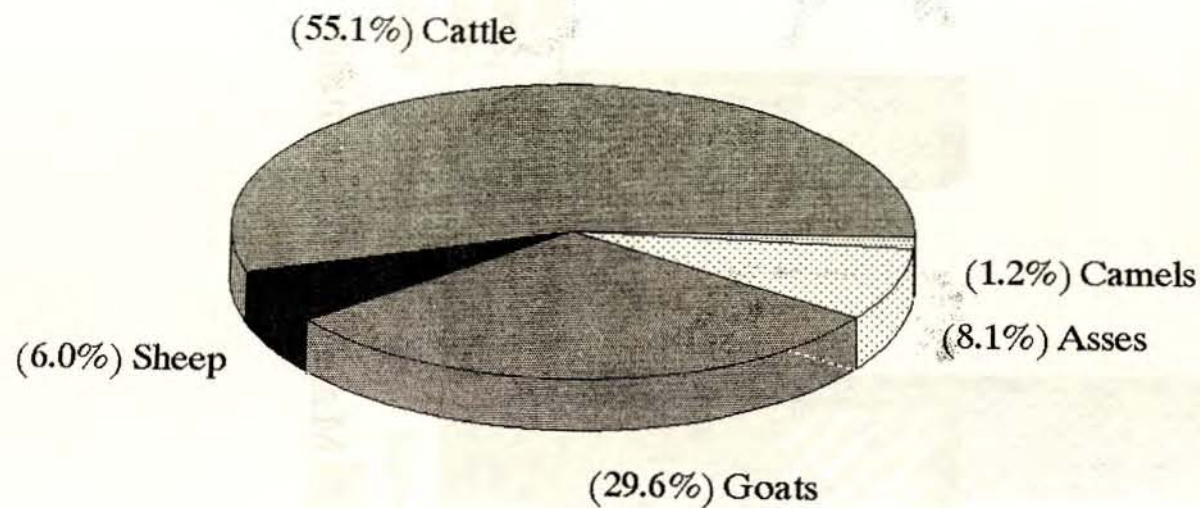


FIGURE 2. Percentage Distribution Of livestock
Harari Region, 1997/98 (1990 E.C)



3.2 Farmer's Association Distribution of Livestock

A) Cattle

The number of cattle & its percentage distribution by Farmers Associations is given in Table 2. Of the total number of cattle reported in the region, i.e., 28,082, the highest number of cattle was reported in Erer Woldya Farmers Association which is 2,894 (10.31%) followed by Kile and Gelmeshra Farmers Associations which have reported 2,601 (9.26%) and 2,053 (7.31%), respectively.

Table 2: Total Distribution of CATTLE in the Harari Region
by Farmers Association, 1997/98 (1990 E.C.)

Farmer's Association	Male	Female	Total	%
SUKUL	274.00	599.00	873.00	3.11
HASENGEY	353.00	740.00	1,093.00	3.89
DERE TEYARA	618.00	1,318.00	1,936.00	6.89
SIGICHA	529.00	1,007.00	1,536.00	5.47
MIYAY	495.00	795.00	1,290.00	4.59
ERERWOLDYA	1,336.00	1,558.00	2,894.00	10.31
ULANULA	393.00	663.00	1,056.00	3.76
HAWAYE	1,029.00	1,083.00	2,112.00	7.52
ERERDODOTA	595.00	815.00	1,410.00	5.02
AWUMER	572.00	636.00	1,208.00	4.30
ABUBEKERMUTI	412.00	887.00	1,299.00	4.63
GELMESHERA	857.00	1,196.00	2,053.00	7.31
AWOBERKELE	809.00	1,208.00	2,017.00	7.18
SOFI	799.00	953.00	1,752.00	6.24
HAREWI	801.00	745.00	1,546.00	5.51
KILE	1,011.00	1,590.00	2,601.00	9.2
BURKA	654.00	752.00	1,406.00	

B) Sheep

Table 3 presents the distribution of Sheep population by Farmers Associations. As it is shown in the table, the highest number of sheep was reported in Dere Teyara Farmers Association which is 610(20.02%), where as the least number of sheep was reported in Kile Farmers Association ie 35 (1.15%).

Table 3 Total Distribution of SHEEP in the Harari Region
by Farmers Association, 1997/98 (1990 E.C)

Farmer's Association	Male	Female	Total	%
SUKUL	57.00	92.00	149.00	4.89
HASENGEY	57.00	156.00	213.00	6.99
DERE TEYARA	182.00	428.00	610.00	20.02
SIGICHA	153.00	274.00	427.00	14.01
MIYAY	71.00	125.00	196.00	6.43
ERERWOLDYA	69.00	100.00	169.00	5.55
ULANULA	19.00	30.00	49.00	1.61
HAWAYE	38.00	65.00	103.00	3.38
ERERDODOTA	28.00	64.00	92.00	3.02
AWUMER	34.00	105.00	139.00	4.56
ABUBEKERMUTI	78.00	194.00	272.00	8.93
GELMESHERA	63.00	114.00	177.00	5.81
AWOBERKELE	54.00	108.00	162.00	5.32
SOFI	36.00	66.00	102.00	3.35
HAREWI	35.00	54.00	89.00	2.92
KILE	9.00	26.00	35.00	1.15
BURKA	20.00	43.00	63.00	2.07
Total Animal	1,003	2,044	3,047	100.00

C) Goats

As shown in Table 4 the total number of Goats in the Region was found to be 15,099. Of these, Erer woldya Farmers Association has reported the highest number, that is 1,911 of heads which contributes 12.66% to the total goats population of the region followed by Sigicha and Dere Teyara FAs contributing 8.34% and 8.17%, respectively.

Table 4 Total Distribution of GOATS in the Harari Region
by Farmers Association, 1997/98 (1990 E.C)

Farmer's Association	Male	Female	Total	%
SUKUL	87.00	269.00	356.00	2.36
HASENGEY	167.00	410.00	577.00	3.82
DERE TEYARA	336.00	897.00	1,233.00	8.17
SIGICHA	435.00	825.00	1,260.00	8.34
MIYAY	247.00	525.00	772.00	5.11
ERERWOLDYA	544.00	1,367.00	1,911.00	12.66
ULANULA	182.00	331.00	513.00	3.40
HAWAYE	400.00	1,093.00	1,493.00	9.89
ERERDODOTA	169.00	439.00	608.00	4.03
AWUMER	164.00	331.00	495.00	3.28
ABUBEKERMUTI	252.00	624.00	876.00	5.80
GELMESHERA	387.00	930.00	1,317.00	8.72
AWOBERKELE	356.00	858.00	1,214.00	8.04
SOFI	182.00	605.00	787.00	5.21
HAREWI	284.00	496.00	780.00	5.17
KILE	112.00	208.00	320.00	2.12
BURKA	149.00	438.00	587.00	3.89
Total Animal	4,453	10,646	15,099	100.00

D) Asses

The number of Asses and percentage distribution by Farmers Associations is presented in Table 5. As indicated in the table, the total number of Asses in the region was found to be 4150 . Erer Woldya Farmers Association constituted 804 thousands (19.37%) followed by Awoberkele Farmers Association that has 509 (12.27%) of heads of Asses.

Table 5 Total Distribution of ASSES in the Harari Region by Farmers Association, 1997/98 (1990 E.C.)

Farmer's Association	Male	Female	Total	%
SUKUL	51.00	48.00	99.00	2.39
HASENGEY	27.00	19.00	46.00	1.11
DERE TEYARA	94.00	69.00	163.00	3.93
SIGICHA	171.00	132.00	303.00	7.30
MIYAY	229.00	24.00	253.00	6.10
ERERWOLDYA	659.00	145.00	804.00	19.37
ULANULA	96.00	38.00	134.00	3.23
HAWAYE	339.00	156.00	495.00	11.93
ERERDODOTA	159.00	45.00	204.00	4.92
AWUMER	62.00	45.00	107.00	2.58
ABUBEKERMUTI	58.00	36.00	94.00	2.27
GELMESHERA	251.00	63.00	314.00	7.57
AWOBERKELE	297.00	212.00	509.00	12.27
SOFI	73.00	109.00	182.00	4.39
HAREWI	90.00	58.00	148.00	3.57
KILE	33.00	65.00	98.00	2.36
BURKA	113.00	84.00	197.00	4.75
Total Animal	2,802	1,348	4,150	100.00

E) Camels

The share of camel population in the region is only 1.24% (630 heads). Of these over 92% was reported in Kile FA and the remaining 7.5% was reported in three other FAs. The detail is presented in Table 7.

Table 7 Total Distribution of CAMELS by Farmers Association, 1997/98 (1990 E.C)

Farmer's Association	Male	Female	Total	%
SUKUL	-	-	-	0.00
HASENGEY	-	-	-	0.00
DERE TEYARA	-	-	-	0.00
SIGICHA	-	-	-	0.00
MIYAY	-	-	-	0.00
ERERWOLDYA	-	-	-	0.00
ULANULA	-	-	-	0.00
HAWAYE	-	-	-	0.00
ERERDODOTA	3.00	3.00	6.00	0.95
AWUMER	-	-	-	0.00
ABUBEKERMUTI	-	-	-	0.00
GELMESHERA	-	-	-	0.00
AWOBERKELE	1.00	-	1.00	0.00
SOFI	-	-	-	0.00
HAREWI	-	-	-	0.00
KILE	220.00	362.00	582.00	92.53
BURKA	14.00	27.00	41.00	6.52
Total Animal	238.00	392.00	630.00	100.00

F) Poultry

The total number of poultry population in the region is found to 24,668 as shown in Table 8. Among the total poultry population Gelmeshra constitutes 8.87% followed by Awoberkele Farmer Association that has a share of 8.70%. The least number of Poultry population is reported in Kile Farmer Association that have only 0.83% of the total poultry population.

Table 8. Total Distribution of POULTRY by Farmers Association, 1997/98 (1990 E.C)

Farmer's Association	Number	%
SUKUL	974.00	3.95
HASENGEY	1,076.00	4.36
DERE TEYARA	2,016.00	8.17
SIGICHA	1,999.00	8.10
MIYAY	1,303.00	5.28
ERERWOLDYA	1,954.00	7.92
ULANULA	1,111.00	4.50
HAWAYE	1,398.00	5.68
ERERDODOTA	974.00	3.95
AWUMER	1,354.00	5.49
ABUBEKERMUTI	1,347.00	5.46
GELMESHERA	2,188.00	8.87
AWOBERKELE	2,145.00	8.70
SOFI	1,627.00	6.60
HAREWI	1,945.00	7.88
KILE	205.00	0.83
BURKA	1,052.00	4.26
Total poultry	24,668.00	100.00

G) Beehives

The total number of Beehives in the Region was found to be 495 ,
The number and percentage distribution of Beehives is presented in
Table 9. As revealed in this table, it is the traditional type of
beehives that dominate the region, which constitute over 95% of the
total beehives.

Table 9 Number and Percentage Distribution of BEEHIVES by Type
and Farmers Associations' for Private Holdings,
1997/98 (1990 E.C.)

Region	TRADITIONAL		MODERN		TOTAL	
	Number	%	Number	%	Number	%
SUKUL	8.00	1.62	-	-	8.00	1.62
HASENGEY	53.00	10.75	-	-	53.00	10.71
DERE TEYARA	21.00	4.26	-	-	21.00	4.24
SIGICHA	22.00	4.46	-	-	22.00	4.44
MIYAY	19.00	3.85	-	-	19.00	3.84
ERERWDDYA	22.00	4.46	-	-	22.00	4.44
ULANULA	50.00	10.14	-	-	50.00	10.10
HAWAYE	51.00	10.34	-	-	51.00	10.30
ERERDODOTA	14.00	2.84	-	-	14.00	2.83
AWUMER	46.00	9.33	-	-	46.00	9.29
ABUBEKER MUTI	12.00	2.43	-	-	12.00	2.42
GELMSHERA	16.00	3.25	-	-	16.00	3.23
AWOBERKELE	30.00	6.09	-	-	30.00	6.06
SOFI	18.00	3.65	-	-	18.00	3.64
HAREWI	53.00	10.75	-	-	53.00	10.71
KILE	7.00	1.42	2.00	100.00	9.00	1.82
BURKA	51.00	10.34	-	-	51.00	10.30
Total	493.00	100.00	2.00	100.00	495.00	100.00

3.3 Distribution of Livestock by Age Group

The number and percentage distribution of livestock and poultry by sex and age group are presented in Tables 10 through 16. In the case of Cattle 77.34% are found in the age group between one and ten years. Concerning Sheep and goats 55.07% of the Sheep and 52.36% of the Goats are in the age group of two years and over. Similarly 87.33% of the Asses and 75% of the Horses are in the age group of three years & over, respectively, while 68.26% of the Camels are found in the age group of four years and over.

Among the Poultry population of the region laying hens constitute the highest share which is 29.89% followed by chicks having 27.3%. For details at Farmers Associations level refer Annex Tables 1.1 through 4.4.

Table 10 Number and percentage distribution of Cattle by sex and age, private holdings, Harari Region, 1997/98(1990 E.C)

sex and age Group	CATTLE	
	Number	%
Male Total	11,537.00	41.08
Under 6 Month	1,830.00	6.52
6 Months & Under 1 year	1,160.00	4.13
1 Year & under 3 years	2,323.00	8.27
3 Years & under 10 years	6,205.00	22.10
10 Years & over	19.00	.07
Female Total	16,545.00	58.92
Under 6 Month	1,968.00	7.01
6 Months & Under 1 Year	1,259.00	4.48
1 Year & under 3 years	3,056.00	10.88
3 Years & under 10 years	10,135.00	36.09
10 Years & Over	127.00	.45
Total Animal	28,082.00	100.00

Table 11. Number and percentage distribution of Sheep by sex and age, private holdings, Harari Region, 1997/98 (1990 E.C)

Sex and Age Group	SHEEP	
	Number	%
Male Total	1,003.00	32.92
Under 6 Month	279.00	9.16
6 Months & Under 1 Year	191.00	6.27
1 Year & under 2 Years	209.00	6.86
2 Years & over	324.00	10.63
Female Total	2,044.00	67.08
Under 6 Month	261.00	8.57
6 Months & Under 1 Year	167.00	5.48
1 Year & under 2 Years	262.00	8.60
2 Years & over	1,354.00	44.44
Total Animal	3,047.00	100.00

Table 12 Number and Percentage distribution of Goats by sex and age for private holdings, Harari region, 1997/98 (1990 E.C)

Sex and Age Group	GOATS	
	Number	%
Male Total	4,453.00	29.49
Under 6 Month	1,721.00	11.40
6 Months & Under 1 Year	842.00	5.58
1 Year & under 2 Years	916.00	6.07
2 Years & over	974.00	6.45
Female Total	10,646.00	70.51
Under 6 Month	1,643.00	10.88
6 Months & Under 1 Year	876.00	5.80
1 Year & under 2 Years	1,195.00	7.91
2 Years & over	6,932.00	45.91
Total Animal	15,099.00	100.00

Table 13 Number and percentage distribution of Asses by sex and age, private holdings, Harari region, 1997/98 (1990 E.C.)

Sex and Age Group	ASSES	
	Number	%
Male Total	2,802.00	67.52
Under 3 Years	343.00	8.27
3 Years and over	2,459.00	59.25
Female Total	1,348.00	32.48
Under 3 Years	224.00	5.40
3 Years and Over	1,124.00	27.08
Total Animal	4,150.00	100.00

Table 14 Number and percentage distribution of Camels by sex and age, private holdings, Harari Region, 1997/98 (1990 E.C)

Sex and Age Group	CAMELS	
	Number	%
Male Total	238.00	37.78
Under 4 Years	940.00	14.92
4 Years and over	144.00	22.86
Female Total	392.00	62.22
Under 4 Years	106.00	16.83
4 Years and Over	286.00	45.40
Total Animal	630.00	100.00

Table 15 Number and Percentage distribution of poultry by kind, Private holdings,
Harari Region,
1997/98 (1990 E.C).

Poultry by kind	Number	%
Cocks	3,528.00	14.30
Cockerels	2,001.00	8.11
Pullets	2,868.00	11.63
Laying hens	7,374.00	29.89
Non-Lying hens	2,162.00	8.76
Chicks	6,735.00	27.30
Total poultry	24,668.00	100.00

3.4 Utilization of Livestock, Poultry and Beehives

3.4.1 Cattle

The total number of dairy cows in the region are found to be 9,432. These cows are in the age group between three and ten years. Out of the total male cattle population male cattle that are kept for draught purposes account for 90.91% (see Table 16). For details at Farmers Associations level refer Annex Tables 5.1 through 5.17.

Table 16 Cattle Population aged three years and over and under ten years
by sex and purpose, Private holdings, Harari Region, 1997/98(1990 E.C)

Sex and Purpose	Number	%
Male Cattle	6,205.00	100.00
For Draught	5,641.00	90.91
For Beef	361.00	5.82
For Others	203.00	3.27
Female cattle	10,135.00	100.00
For Milk	9,432.00	93.06
For Draught	33.00	.33
For Beef	29.00	.29
For Others	641.00	6.32

3.4.2 Sheep and Goats

In Table 17, the number and percentage distribution of Sheep and Goats raised for different purposes in the Harari Region are presented. It has been revealed that out of the total female sheep & goats population 98.52% and 88.07% are raised for breeding purposes, respectively whereas in the case of male sheep 64.51% of the sheep are raised for mutton (meat) purposes. Unlike the male sheep in the region nearly half of the male goats (47.54%) are raised for meat purposes while 48.56% of the goats are raised for breeding purposes. Out of the total female goats only 10.86% are used for milk purposes. For details at Farmers Associations level refer to Annex Tables 6.1 through 6.17.

Table 17 sheep and Goats population aged two years and over by sex and purpose,
private holdings, Harari region, 1997/98 (1990 E.C)

Type	Sex and purpose	Number	%
SHEEP	Male Total	324.00	100.00
	For Mutton/Meat	209.00	64.51
	For Wool	-	-
	For Breeding	99.00	30.56
	For Other purposes	16.00	4.94
	Female Total	1,354.00	100.00
	For Mutton/meat	19.00	1.40
	For Wool	-	-
	For Breeding	1,334.00	98.52
	For Other purposes	1.00	0.07
GOATS	Male Total	974.00	100.00
	For Meat	463.00	47.54
	For Breeding	473.00	48.56
	For other purposes	38.00	3.90
	Female Total	6,932.00	100.00
	For Meat	58.00	.84
	For Milk	753.00	10.86
	For Breeding	6,105.00	88.07
	For Other purposes	16.00	.23

3.4.3 Draught Animals

As shown in Table 18, among the reported draught animals, (asses and camels), asses have a greater percentage share which is 85.05%. Camels are found only in four Farmers Associations. Animals kept for Draught purposes refers to those used in agricultural practices such as ploughing, threshing and transporting to and from the farm.

Table 18. Number and percentage distribution of Draught Animals in Harari Region, 1997/98 (1990 E.C)

Type	Number	%
Asses	3,583.00	85.05
Camels	630.00	14.95
Total	4,213.00	100.00

3.4.4 Poultry

In Table 19 poultry population in the region by kind is presented. Among the poultry population laying hens have the highest share which is 29.89% followed by chicks that accounts for 27.30%. Cocks and pullets have 14.30% and 11.63%, respectively. Moreover cockerels and non-laying hens both account for only 16.87% of the total poultry population.

Table 19 Number and Percentage distribution of poultry by kind, Private holdings, Harari Region, 1997/98 (1990 E.C).

Poultry by kind	Number	%
Cocks	3,528.00	14.30
Cockerels	2,001.00	8.11
Pullets	2,868.00	11.63
Laying hens	7,374.00	29.89
Non-Lying hens	2,162.00	8.76
Chicks	6,735.00	27.30
Total poultry	24,668.00	100.00

For details at Farmer Associations level refer to Annex Tables 7.1 through 7.17.

3.5 Number of Milking Cows, Average Milk yield and Average Lactation period by Breed

In the region, it is estimated that there are 2404 livestock holders having 3175 milking cows. Among the total milking cows the overwhelming majority 3161 (99.56 %) are indigenous (local breeds) and the remaining twelve and two milking cows are cross breed and exotic breeds, respectively.

Table 20 Estimates of Number of Households Reporting Milking Cows, Number of Milking Cows, Average Milk Yield Per Day Per Cow and Average Lactation Period (months) by Breed, Harari Region, 1997/98 (1990 E.C.)

Type of Breed	Number of Households	%	Number of Milking Cows	%	Average Yield per Cow per day (litres)	Average Lactation period (months)
Indigenous	2391	99.46	3161	99.56	1.66	6
Cross Breed	11	0.46	12	0.38	2.67	8
Exotic	2	0.08	2	0.06	3.75	8
Total/Average	2404	100.00	3175	100.00	1.66*	6*

* Weighted average

The average daily milk yield per cow is found to be 1.66 for the indigenous milking cows while 2.67 litres and 3.75 litres for the cross breed and exotic milking cows. The weighted average daily milk yield for the total milking cows in the region was estimated to be 1.66 litres.

When reviewing the average lactation period for different breeds the crossbreed and exotic breeds have a longer lactation period, that is, eight months. Whereas in the case of the indigenous milking cows the average lactation period is found to be six months. For details at Farmers Associations level refer to Table 21.

Table 21 Estimates of Number of Households who have Milking Cows,
Estimate of Milking Cows, Average Yield and Lactation Period
1997/98 (1990 E.C.)

NAME OF FARMER'S ASSOCIATION	Number of Households	Number of Milking Cows	Average Milk Yield/day/cow	Average Lactation Period
SUKUL	74	88	1.57	6.58
HASENGEY	142	166	1.34	6.40
DERE TEYARA	201	223	1.43	6.38
SIGICHA	190	224	1.40	6.51
MIYAY	139	158	1.95	7.40
ARERWOLDYA	214	302	1.41	4.69
ULANULA	112	132	2.18	5.50
HAWAYE	115	139	1.63	5.74
ARERDODOTA	60	124	1.17	6.07
AWUMER	112	133	2.02	7.30
ABOKER MUTI	145	177	1.76	6.48
GELMSHERA	187	218	1.77	7.39
AWOBERKELE	193	212	1.25	5.43
SOFI	178	228	1.75	6.36
HAREWI	103	160	1.98	6.83
KILE	110	298	2.10	5.30
BURKA	129	193	1.82	6.41
Total	2404	3175	1.66	6.28

3.6 Milk Price and Utilization

As presented in Table 22 the average price for one litre of milk is slightly higher in the winter (Birr 2.53) than the average price in the summer (Birr 2.10). In the winter the price of milk is the least in Erer Woldya Farmer Association (Birr 2.04) and the highest price is observed in Sukul Farmer Association (Birr 2.92).

Similarly, in the summer the least average price is found in the Erer Woldye Farmer Association (Birr 1.69) while in Gelmeshra the price is the highest that is Birr 2.65.

Table 22 Estimate of Average Price of Milk per Liter by Season, 1997/98 (1990 E.c)

NAME OF FARMER ASSOCIATION	Average Price (birr)/lt.	
	Winter	Summer
SUKUL	2.92	2.47
HASENGEY	2.70	2.42
DERE TEYARA	2.57	2.14
SIGICHA	2.63	2.08
MIYAY	2.50	2.04
ARERWOLDYA	2.04	1.69
ULANULA	2.25	1.84
HAWAYE	2.47	1.98
ARERDODOTA	2.50	2.00
AWUMER	2.59	1.99
ABOKER MUTI	2.74	2.61
GELMSHERA	2.88	2.65
AWOBERKELE	2.65	1.98
SOFI	2.32	1.96
HAREWIE	2.49	2.00
KILE	2.37	1.87
BURKA	2.43	1.95
Average	2.53	2.10

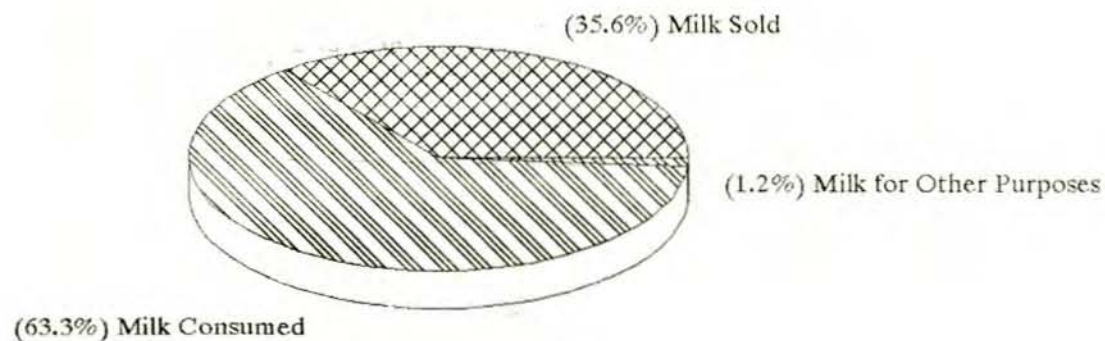
As shown in Table 23 out of the total milk production in the region, 63.27% of the milk is used for self consumption, 35.55% is used for sale and the remaining 1.18% was used for other purposes.

In Erer Woldya 81.04% of the milk is used for consumption which is the highest proportion while in Kile Farmer Association only 31.31% of the milk is used for consumption and the remaining 68.69% of the milk is used for sale.

Table 23 Percentage Estimate of Different Types of Milk Utilization 1997/98 (1990E.C)

NAME OF FARMER ASSOCIATION	Milk Utilization		
	Sold %	Consumed%	Other%
SUKUL	47.13	52.53	.34
HASENGEY	28.98	70.84	.18
DERE TEYARA	25.68	73.90	.42
SIGICHA	26.73	72.54	.73
MIYAY	31.01	68.18	.81
ARERWOLDYA	18.96	81.04	-
ULANULA	39.24	60.19	.57
HAWAYE	46.70	53.30	-
ARERDODOTA	49.62	48.65	1.73
AWUMER	42.62	48.09	9.29
ABOKER MUTI	28.90	63.34	7.76
GELMSHERA	27.34	72.66	-
AWOBERKELE	27.35	72.26	.39
SOFI	43.62	55.40	.98
HAREWIE	56.55	43.45	-
KILE	68.69	31.31	-
BURKA	28.43	71.57	-
Average	35.55	63.27	1.18

Figure 3. Different Types of Milk Utilization
Harari Region, 1997/98 (1990 E.C.)



3.7 Livestock Feeding Pattern

Here below in Table 24 the feeding pattern of livestock in the Harari Region is presented. Among the agricultural households who owned livestock, 38.66% of the households use common grazing land, 34.85% of the households utilize the near by fields while the remaining 26.49% of the households use their backyard for feeding the livestock they own.

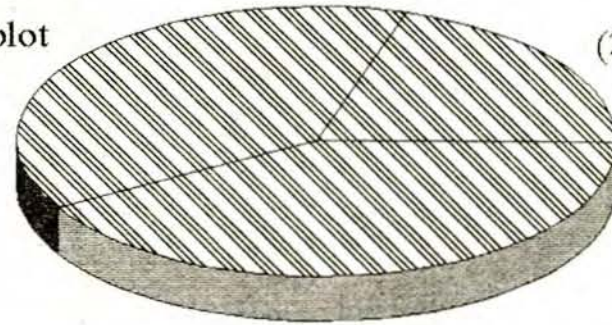
Table 24 Percentage Distribution of Households by the Type of Livestock Feeding Areas
1997/98 (1990 E.C)

NAME OF FARMER ASSOCIATION	Feeding On		
	Grazing Land	Farm plot	Backyard
SUKUL	5.08	24.58	70.34
HASENGEY	4.92	45.90	49.18
DERE TEYARA	3.32	72.02	24.65
SIGICHA	-	23.74	76.26
MIYAY	26.69	68.64	4.66
ARERWOLDYA	54.01	33.23	12.76
ULANULA	-	98.57	1.43
HAWAYE	87.83	9.57	2.61
ARERDODOTA	88.79	10.34	.86
AWUMER	28.00	72.00	-
ABOKER MUTI	7.34	58.72	33.94
GELMSHERA	15.10	12.65	72.24
AWOBERKELE	60.14	13.18	26.69
SOFI	45.28	27.17	27.55
HAREWIE	88.57	11.43	-
KILE	97.52	1.86	.62
BURKA	62.68	21.53	15.79
Average	38.66	34.85	26.49

Figure 4. Livestock Feeding Areas

(38.2%) Feeding on Farm plot

(20.2%) Feeding on Grazing Land



(41.6%) Feeding on Backyard

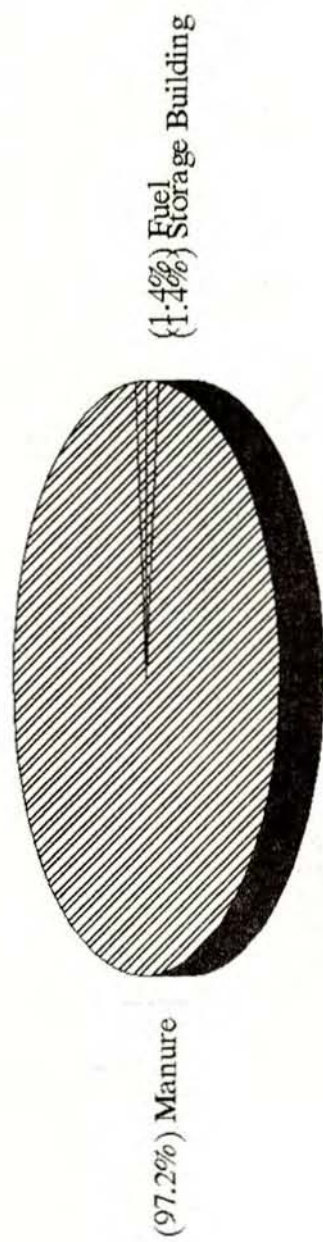
3.8 Dung Utilization

As presented in Table 25 nearly 93 % of the households in the Region use the livestock dung as manure (natural fertilizer) whereas only 2.76% of the dung is used for fuel and the remaining 4.31% dung is used for storage building (for crop) and other purposes.

Table 25 Estimate of Average Dung Utilization of Households 1997/98 (1990 E.C)

NAME OF FARMER ASSOCIATION	Fuel%	Manure%	Storage Build'g%	Others%
SUKUL	-	99.15	.85	-
HASENGEY	-	100.00	-	-
DERE TEYARA	1.39	98.61	-	-
SIGICHA	3.60	96.40	-	-
MIYAY	-	99.58	-	.42
ARERWOLDYA	4.88	86.89	7.62	.61
ULANULA	-	100.00	-	-
HAWAYE	-	99.57	-	.43
ARERDODOTA	1.72	93.97	-	4.31
AWUMER	-	99.43	.57	-
ABOKER MUTI	-	99.08	.92	-
GELMSHERA	.41	99.18	.41	-
AWOBERKELE	1.35	98.65	-	-
SOFI	3.02	95.47	.75	.75
HAREWIE	-	99.43	.57	-
KILE	-	33.54	-	66.46
BURKA	26.32	70.33	-	3.35
Average	2.76	92.93	.90	3.41

Figure 5. Dung Utilization



3.9 Agricultural Holders Grazing Land Situation

Agricultural holders were asked their grazing land area when compared to the total animals they have. These data are collected on the basis of the holders subjective assessment of their grazing land position. As presented in Table 26 in the Region, 77.38% of the holders reported to have small grazing land, 19.63% have medium while the remaining 2.29% of the holders have more than sufficient when compared to their animal holdings.

Table 26. Grazing land area compared with size of animals

NAME OF FARMER ASSOCIATION	Higher %	Medium %	Small %
SUKUL	2.54	10.17	87.29
HASENGEY	.55	7.65	91.80
DERE TEYARA	.34	5.70	93.96
SIGICHA	-	8.99	91.01
MIYAY	.89	7.14	91.96
ARERWOLDYA	6.72	26.89	66.39
ULANULA	-	100.00	-
HAWAYE	1.74	23.48	74.78
ARERDODOTA	21.55	56.90	21.55
AWUMER	.57	6.86	92.57
ABOKER MUTI	-	9.82	90.18
GELMSHERA	.55	7.18	92.27
AWOBERKELE	2.72	41.16	56.12
SOFI	10.94	22.26	66.79
HAREWIE	1.14	34.29	64.57
KILE	1.86	24.84	73.29
BURKA	.96	20.10	78.95
Total	2.99	19.63	77.38

3.10 Feed Availability

Agricultural holders were interviewed about the feeding supply around and 88.90% of the holders reveal that there is no enough feed supply around, while 11.10% of the holders emphasized that they have enough feed supply in their surroundings.

Table 27. Feed availability

NAME OF FARMER ASSOCIATION	Enough %	Not Enough %
SUKUL	7.69	92.31
HASENGEY	13.66	86.34
DERE TEYARA	6.09	93.91
SIGICHA	8.33	91.67
MIYAY	17.37	82.63
ARERWOLDYA	17.01	82.99
ULANULA	-	100.00
HAWAYE	3.91	96.09
ARERDODOTA	36.21	63.79
AWUMER	.57	99.43
ABOKER MUTI	17.05	82.95
GELMSHERA	11.43	88.57
AWOBERKELE	29.05	70.95
SOFI	3.77	96.23
HAREWIE	-	100.00
KILE	6.83	93.17
BURKA	2.87	97.13
Average	11.10	88.90

ANNEX I

DISTRIBUTION OF LIVESTOCK BY AGE GROUP AND FARMER ASSOCIATIONS

TABLE 1.1 Number and percentage distribution of CATTLE
by sex and age, private holdings, 1997/98(1990 E.C.)

SUKUL FA	Number in Thousands	
	CATTLE	
	Number	%
Male Total	274.00	31.39
Under 6 Month	54.00	6.19
6 Months & Under 1 year	37.00	4.24
1 Year & under 3 years	92.00	10.54
3 Years & under 10 years	91.00	10.42
10 Years & Over	-	-
Female Total	599.00	68.61
Under 6 Month	68.00	7.79
6 Months & Under 1 year	42.00	4.81
1 Year & under 3 years	110.00	12.60
3 Years & under 10 years	379.00	43.41
10 Years & over	-	-
Total Animal	873.00	100.00

TABLE 1.2 Number and percentage distribution of CATTLE
by sex and age, private holdings, 1997/98(1990 E.C.)

HASENGEY FA	Number in Thousands	
	CATTLE	
	Number	%
Male Total	353.00	32.30
Under 6 Month	93.00	8.51
6 Months & Under 1 year	40.00	3.66
1 Year & under 3 years	104.00	9.52
3 Years & under 10 years	116.00	10.61
10 Years & Over	-	-
Female Total	740.00	67.70
Under 6 Month	95.00	8.69
6 Months & Under 1 year	32.00	2.93
1 Year & under 3 years	160.00	14.64
3 Years & under 10 years	448.00	40.99
10 Years & over	5.00	.46
Total Animal	1,093.00	100.00

TABLE 1.3 Number and percentage distribution of CATTLE
by sex and age, private holdings, 1997/98(1990 E.C.)

Number in Thousands

DERE TEYARA FA

Sex and Age Group	CATTLE	
	Number	%
Male Total	618.00	31.92
Under 6 Month	139.00	7.18
6 Months & Under 1 year	79.00	4.08
1 Year & under 3 years	198.00	10.23
3 Years & under 10 years	201.00	10.38
10 Years & Over	1.00	.05
Female Total	1,318.00	68.08
Under 6 Month	141.00	7.28
6 Months & Under 1 year	90.00	4.65
1 Year & under 3 years	250.00	12.91
3 Years & under 10 years	818.00	42.25
10 Years & over	19.00	.98
Total Animal	1,936.00	100.00

TABLE 1.4 Number and percentage distribution of CATTLE
by sex and age, private holdings, 1997/98(1990 E.C.)

Number in Thousands

SIGICHA FA

Sex and Age Group	CATTLE	
	Number	%
Male Total	529.00	34.44
Under 6 Month	87.00	5.66
6 Months & Under 1 year	75.00	4.88
1 Year & under 3 years	113.00	7.36
3 Years & under 10 years	251.00	16.34
10 Years & Over	3.00	.20
Female Total	1,007.00	65.56
Under 6 Month	106.00	6.90
6 Months & Under 1 year	94.00	6.12
1 Year & under 3 years	156.00	10.16
3 Years & under 10 years	651.00	42.38
10 Years & over	-	-
Total Animal	1,536.00	100.00

TABLE 1.5 Number and percentage distribution of CATTLE
by sex and age, private holdings, 1997/98 (1990 E.C.)

MIYAY FA		Number in Thousands	
Sex and Age Group	CATTLE		
	Number	%	
Male Total	495.00	38.37	
Under 6 Month	97.00	7.52	
6 Months & Under 1 year	67.00	5.19	
1 Year & under 3 years	92.00	7.13	
3 Years & under 10 years	239.00	18.53	
10 Years & Over	-	-	
Female Total	795.00	61.63	
Under 6 Month	92.00	7.13	
6 Months & Under 1 year	83.00	6.43	
1 Year & under 3 years	180.00	13.95	
3 Years & under 10 years	437.00	33.88	
10 Years & over	3.00	.23	
Total Animal	1,290.00	100.00	

TABLE 1.6 Number and percentage distribution of CATTLE
by sex and age, private holdings, 1997/98 (1990 E.C.)

ERERWOLDYA FA		Number in Thousands	
Sex and Age Group	CATTLE		
	Number	%	
Male Total	1,336.00	46.16	
Under 6 Month	129.00	4.46	
6 Months & Under 1 year	98.00	3.39	
1 Year & under 3 years	251.00	8.67	
3 Years & under 10 years	857.00	29.61	
10 Years & Over	1.00	.03	
Female Total	1,558.00	53.84	
Under 6 Month	155.00	5.36	
6 Months & Under 1 year	91.00	3.14	
1 Year & under 3 years	421.00	14.55	
3 Years & under 10 years	861.00	29.75	
10 Years & over	30.00	1.04	
Total Animal	2,894.00	100.00	

TABLE 1.7 Number and percentage distribution of CATTLE
by sex and age, private holdings, 1997/98(1990 E.C.)

ULANULA FA		
Number in Thousands		
Sex and Age Group	CATTLE	
	Number	%
Male Total	393.00	37.22
Under 6 Month	127.00	12.03
6 Months & Under 1 year	55.00	5.21
1 Year & under 3 years	83.00	7.86
3 Years & under 10 years	124.00	11.74
10 Years & Over	4.00	.38
Female Total	663.00	62.78
Under 6 Month	68.00	6.44
6 Months & Under 1 year	55.00	5.21
1 Year & under 3 years	120.00	11.36
3 Years & under 10 years	397.00	37.59
10 Years & over	23.00	2.18
Total Animal	1,056.00	100.00

TABLE 1.8 Number and percentage distribution of CATTLE
by sex and age, private holdings, 1997/98(1990 E.C.)

HAWAYE FA		
Number in Thousands		
Sex and Age Group	CATTLE	
	Number	%
Male Total	1,029.00	48.72
Under 6 Month	149.00	7.05
6 Months & Under 1 year	49.00	2.32
1 Year & under 3 years	149.00	7.05
3 Years & under 10 years	680.00	32.20
10 Years & Over	2.00	.09
Female Total	1,083.00	51.28
Under 6 Month	185.00	8.76
6 Months & Under 1 year	47.00	2.23
1 Year & under 3 years	166.00	7.86
3 Years & under 10 years	681.00	32.24
10 Years & over	4.00	.19
Total Animal	2,112.00	100.00

TABLE 1.9 Number and percentage distribution of CATTLE
by sex and age, private holdings, 1997/98(1990 E.C.)

ERERDODOTA FA		Number in Thousands	
Sex and Age Group	CATTLE		
	Number	%	
Male Total	595.00	42.20	
Under 6 Month	101.00	7.16	
6 Months & Under 1 year	51.00	3.62	
1 Year & under 3 years	66.00	4.68	
3 Years & under 10 years	377.00	26.74	
10 Years & Over	-	-	
Female Total	815.00	57.80	
Under 6 Month	79.00	5.60	
6 Months & Under 1 year	60.00	4.26	
1 Year & under 3 years	86.00	6.10	
3 Years & under 10 years	584.00	41.42	
10 Years & over	6.00	.43	
Total Animal	1,410.00	100.00	

TABLE 1.10 Number and percentage distribution of CATTLE
by sex and age, private holdings, 1997/98(1990 E.C.)

AWUMER FA		Number in Thousands	
Sex and Age Group	CATTLE		
	Number	%	
Male Total	572.00	47.35	
Under 6 Month	36.00	2.98	
6 Months & Under 1 year	56.00	4.64	
1 Year & under 3 years	97.00	8.03	
3 Years & under 10 years	383.00	31.71	
10 Years & Over	-	-	
Female Total	636.00	52.65	
Under 6 Month	68.00	5.63	
6 Months & Under 1 year	60.00	4.97	
1 Year & under 3 years	121.00	10.02	
3 Years & under 10 years	385.00	31.87	
10 Years & over	2.00	.17	
Total Animal	1,208.00	100.00	

TABLE 1.11 Number and percentage distribution of CATTLE
by sex and age, private holdings, 1997/98(1990 E.C.)

ABUBEKER MUTI FA		
Number in Thousands		
Sex and Age Group	CATTLE	
	Number	%
Male Total	412.00	31.72
Under 6 Month	77.00	5.93
6 Months & Under 1 year	62.00	4.77
1 Year & under 3 years	141.00	10.85
3 Years & under 10 years	132.00	10.16
10 Years & Over	-	-
Female Total	887.00	68.28
Under 6 Month	81.00	6.24
6 Months & Under 1 year	96.00	7.39
1 Year & under 3 years	183.00	14.09
3 Years & under 10 years	523.00	40.26
10 Years & over	4.00	.31
Total Animal	1,299.00	100.00

TABLE 1.12 Number and percentage distribution of CATTLE
by sex and age, private holdings, 1997/98(1990 E.C.)

GELMSHERA FA		
Number in Thousands		
Sex and Age Group	CATTLE	
	Number	%
Male Total	857.00	41.74
Under 6 Month	111.00	5.41
6 Months & Under 1 year	93.00	4.53
1 Year & under 3 years	229.00	11.15
3 Years & under 10 years	422.00	20.56
10 Years & Over	2.00	.10
Female Total	1,196.00	58.26
Under 6 Month	114.00	5.55
6 Months & Under 1 year	110.00	5.36
1 Year & under 3 years	235.00	11.45
3 Years & under 10 years	730.00	35.56
10 Years & over	7.00	.34
Total Animal	2,053.00	100.00

TABLE 1.13 Number and percentage distribution of CATTLE
by sex and age, private holdings, 1997/98(1990 E.C.)

Sex and Age Group	CATTLE	
	Number	%
Male Total	809.00	40.11
Under 6 Month	144.00	7.14
6 Months & Under 1 year	73.00	3.62
1 Year & under 3 years	189.00	9.37
3 Years & under 10 years	399.00	19.78
10 Years & Over	4.00	.20
Female Total	1,208.00	59.89
Under 6 Month	174.00	8.63
6 Months & Under 1 year	81.00	4.02
1 Year & under 3 years	254.00	12.59
3 Years & under 10 years	692.00	34.31
10 Years & over	7.00	.35
Total Animal	2,017.00	100.00

TABLE 1.14 Number and percentage distribution of CATTLE
by sex and age, private holdings, 1997/98(1990 E.C.)

Sex and Age Group	CATTLE	
	Number	%
Male Total	799.00	45.61
Under 6 Month	109.00	6.22
6 Months & Under 1 year	97.00	5.54
1 Year & under 3 years	146.00	8.33
3 Years & under 10 years	445.00	25.40
10 Years & Over	2.00	.11
Female Total	953.00	54.39
Under 6 Month	109.00	6.22
6 Months & Under 1 year	77.00	4.39
1 Year & under 3 years	194.00	11.07
3 Years & under 10 years	572.00	32.65
10 Years & over	1.00	.06
Total Animal	1,752.00	100.00

TABLE 1.15 Number and percentage distribution of CATTLE
by sex and age, private holdings, 1997/98(1990 E.C.)

HAREWI FA		
Number in Thousands		
Sex and Age Group	CATTLE	
	Number	%
Male Total	801.00	51.81
Under 6 Month	131.00	8.47
6 Months & Under 1 year	56.00	3.62
1 Year & under 3 years	94.00	6.08
3 Years & under 10 years	520.00	33.64
10 Years & Over	-	-
Female Total	745.00	48.19
Under 6 Month	140.00	9.06
6 Months & Under 1 year	53.00	3.43
1 Year & under 3 years	127.00	8.21
3 Years & under 10 years	425.00	27.49
10 Years & over	-	-
Total Animal	1,546.00	100.00

TABLE 1.16 Number and percentage distribution of CATTLE
by sex and age, private holdings, 1997/98(1990 E.C.)

KILE FA		
Number in Thousands		
Sex and Age Group	CATTLE	
	Number	%
Male Total	1,011.00	38.87
Under 6 Month	167.00	6.42
6 Months & Under 1 year	124.00	4.77
1 Year & under 3 years	197.00	7.57
3 Years & under 10 years	523.00	20.11
10 Years & Over	-	-
Female Total	1,590.00	61.13
Under 6 Month	184.00	7.07
6 Months & Under 1 year	125.00	4.81
1 Year & under 3 years	173.00	6.65
3 Years & under 10 years	1,094.00	42.06
10 Years & over	14.00	.54
Total Animal	2,601.00	100.00

TABLE 1.17 Number and percentage distribution of CATTLE
by sex and age, private holdings, 1997/98 (1990 E.C.)

BURKA FA		Number in Thousands	
Sex and Age Group	CATTLE		
	Number	%	
Male Total	654.00	46.51	
Under 6 Month	79.00	5.62	
6 Months & Under 1 year	48.00	3.41	
1 Year & under 3 years	82.00	5.83	
3 Years & under 10 years	445.00	31.65	
10 Years & Over	-	-	
Female Total	752.00	53.49	
Under 6 Month	109.00	7.75	
6 Months & Under 1 year	63.00	4.48	
1 Year & under 3 years	120.00	8.53	
3 Years & under 10 years	458.00	32.57	
10 Years & over	2.00	.14	
Total Animal	1,406.00	100.00	

TABLE 2.1

Number and percentage distribution of SHEEP and GOATS
by sex and age, private holdings, 1997/98(1990 E.C.)

SUKUL FA		Number in Thousands			
Sex and Age Group	SHEEP		GOATS		
	Number	%	Number	%	
Male Total	57.00	38.26	87.00	24.44	
Under 6 Month	21.00	14.09	34.00	9.55	
6 Months & Under 1 year	13.00	8.72	24.00	6.74	
1 Year & under 2 years	8.00	5.37	18.00	5.06	
2 Years & over	15.00	10.07	11.00	3.09	
Female Total	92.00	61.74	269.00	75.56	
Under 6 Month	7.00	4.70	47.00	13.20	
6 Months & Under 1 year	14.00	9.40	16.00	4.49	
1 Year & under 2 years	9.00	6.04	34.00	9.55	
2 Years & over	62.00	41.61	172.00	48.31	
Total Animal	149.00	100.00	356.00	100.00	

TABLE 2.2

Number and percentage distribution of SHEEP and GOATS
by sex and age, private holdings, 1997/98(1990 E.C.)

HASENGEY FA		Number in Thousands			
Sex and Age Group	SHEEP		GOATS		
	Number	%	Number	%	
Male Total	57.00	26.76	167.00	28.94	
Under 6 Month	25.00	11.74	74.00	12.82	
6 Months & Under 1 year	9.00	4.23	27.00	4.68	
1 Year & under 2 years	12.00	5.63	38.00	6.59	
2 Years & over	11.00	5.16	28.00	4.85	
Female Total	156.00	73.24	410.00	71.06	
Under 6 Month	17.00	7.98	62.00	10.75	
6 Months & Under 1 year	7.00	3.29	22.00	3.81	
1 Year & under 2 years	23.00	10.80	64.00	11.09	
2 Years & over	109.00	51.17	262.00	45.41	
Total Animal	213.00	100.00	577.00	100.00	

TABLE 2.3

Number and percentage distribution of SHEEP and GOATS
by sex and age, private holdings, 1997/98(1990 E.C.)

DERE TEYARA FA		Number in Thousands			
Sex and Age Group	SHEEP		GOATS		
	Number	%	Number	%	
Male Total	182.00	29.84	336.00	27.25	
Under 6 Month	64.00	10.49	128.00	10.38	
6 Months & Under 1 year	30.00	4.92	48.00	3.89	
1 Year & under 2 years	42.00	6.89	71.00	5.76	
2 Years & over	46.00	7.54	89.00	7.22	
Female Total	428.00	70.16	897.00	72.75	
Under 6 Month	67.00	10.98	149.00	12.08	
6 Months & Under 1 year	22.00	3.61	58.00	4.70	
1 Year & under 2 years	62.00	10.16	132.00	10.71	
2 Years & over	277.00	45.41	558.00	45.26	
Total Animal	610.00	100.00	1,233.00	100.00	

TABLE 2.4

Number and percentage distribution of SHEEP and GOATS
by sex and age, private holdings, 1997/98(1990 E.C.)

SIGICHA FA		Number in Thousands			
Sex and Age Group	SHEEP		GOATS		
	Number	%	Number	%	
Male Total	153.00	35.83	435.00	34.52	
Under 6 Month	43.00	10.07	136.00	10.79	
6 Months & Under 1 year	22.00	5.15	63.00	5.00	
1 Year & under 2 years	21.00	4.92	72.00	5.71	
2 Years & over	67.00	15.69	164.00	13.02	
Female Total	274.00	64.17	825.00	65.48	
Under 6 Month	37.00	8.67	138.00	10.95	
6 Months & Under 1 year	21.00	4.92	71.00	5.63	
1 Year & under 2 years	13.00	3.04	62.00	4.92	
2 Years & over	203.00	47.54	554.00	43.97	
Total Animal	427.00	100.00	1,260.00	100.00	

TABLE 2.5

Number and percentage distribution of SHEEP and GOATS
by sex and age, private holdings, 1997/98(1990 E.C.)

Sex and Age Group	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	71.00	36.22	247.00	31.99
Under 6 Month	11.00	5.61	77.00	9.97
6 Months & Under 1 year	19.00	9.69	57.00	7.38
1 Year & under 2 years	9.00	4.59	30.00	3.89
2 Years & over	32.00	16.33	83.00	10.75
Female Total	125.00	63.78	525.00	68.01
Under 6 Month	18.00	9.18	61.00	7.90
6 Months & Under 1 year	17.00	8.67	68.00	8.81
1 Year & under 2 years	20.00	10.20	75.00	9.72
2 Years & over	70.00	35.71	321.00	41.58
Total Animal	196.00	100.00	772.00	100.00

TABLE 2.6

Number and percentage distribution of SHEEP and GOATS
by sex and age, private holdings, 1997/98(1990 E.C.)

Sex and Age Group	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	69.00	40.83	544.00	28.47
Under 6 Month	11.00	6.51	193.00	10.10
6 Months & Under 1 year	12.00	7.10	110.00	5.76
1 Year & under 2 years	20.00	11.83	166.00	8.69
2 Years & over	26.00	15.38	75.00	3.92
Female Total	100.00	59.17	1,367.00	71.53
Under 6 Month	7.00	4.14	179.00	9.37
6 Months & Under 1 year	10.00	5.92	115.00	6.02
1 Year & under 2 years	22.00	13.02	173.00	9.05
2 Years & over	61.00	36.09	900.00	47.10
Total Animal	169.00	100.00	1,911.00	100.00

TABLE 2.7

Number and percentage distribution of SHEEP and GOATS
by sex and age, private holdings, 1997/98(1990 E.C.)

ULANULA FA		Number in Thousands			
Sex and Age Group	SHEEP		GOATS		
	Number	%	Number	%	
Male Total	19.00	38.78	182.00	35.48	
Under 6 Month	7.00	14.29	64.00	12.48	
6 Months & Under 1 year	3.00	6.12	39.00	7.60	
1 Year & under 2 years	3.00	6.12	40.00	7.80	
2 Years & over	6.00	12.24	39.00	7.60	
Female Total	30.00	61.22	331.00	64.52	
Under 6 Month	2.00	4.08	57.00	11.11	
6 Months & Under 1 year	5.00	10.20	28.00	5.46	
1 Year & under 2 years	4.00	8.16	48.00	9.36	
2 Years & over	19.00	38.78	198.00	38.60	
Total Animal	49.00	100.00	513.00	100.00	

TABLE 2.8

Number and percentage distribution of SHEEP and GOATS
by sex and age, private holdings, 1997/98(1990 E.C.)

HAWAYE FA		Number in Thousands			
Sex and Age Group	SHEEP		GOATS		
	Number	%	Number	%	
Male Total	38.00	36.89	400.00	26.79	
Under 6 Month	14.00	13.59	175.00	11.72	
6 Months & Under 1 year	4.00	3.88	72.00	4.82	
1 Year & under 2 years	13.00	12.62	71.00	4.76	
2 Years & over	7.00	6.80	82.00	5.49	
Female Total	65.00	63.11	1,093.00	73.21	
Under 6 Month	9.00	8.74	205.00	13.73	
6 Months & Under 1 year	2.00	1.94	87.00	5.83	
1 Year & under 2 years	6.00	5.83	76.00	5.09	
2 Years & over	48.00	46.60	725.00	48.56	
Total Animal	103.00	100.00	1,493.00	100.00	

TABLE 2.9

Number and percentage distribution of SHEEP and GOATS
by sex and age, private holdings, 1997/98(1990 E.C.)

Sex and Age Group		Number in Thousands			
		SHEEP		GOATS	
		Number	%	Number	%
Male Total		28.00	30.43	169.00	27.80
Under 6 Month		6.00	6.52	81.00	13.32
6 Months & Under 1 year		8.00	8.70	38.00	6.25
1 Year & under 2 years		2.00	2.17	20.00	3.29
2 Years & over		12.00	13.04	30.00	4.93
Female Total		64.00	69.57	439.00	72.20
Under 6 Month		8.00	8.70	51.00	8.39
6 Months & Under 1 year		3.00	3.26	27.00	4.44
1 Year & under 2 years		1.00	1.09	16.00	2.63
2 Years & over		52.00	56.52	345.00	56.74
Total Animal		92.00	100.00	608.00	100.00

TABLE 2.10

Number and percentage distribution of SHEEP and GOATS
by sex and age, private holdings, 1997/98(1990 E.C.)

Sex and Age Group		Number in Thousands			
		SHEEP		GOATS	
		Number	%	Number	%
Male Total		34.00	24.46	164.00	33.13
Under 6 Month		5.00	3.60	50.00	10.10
6 Months & Under 1 year		6.00	4.32	39.00	7.88
1 Year & under 2 years		8.00	5.76	32.00	6.46
2 Years & over		15.00	10.79	43.00	8.69
Female Total		105.00	75.54	331.00	66.87
Under 6 Month		13.00	9.35	41.00	8.28
6 Months & Under 1 year		11.00	7.91	24.00	4.85
1 Year & under 2 years		12.00	8.63	28.00	5.66
2 Years & over		69.00	49.64	238.00	48.08
Total Animal		139.00	100.00	495.00	100.00

TABLE 2.11

Number and percentage distribution of SHEEP and GOATS
by sex and age, private holdings, 1997/98(1990 E.C.)

ABUBEKER MUTI FA

Number in Thousands

Sex and Age Group	SHEEP		GOATS	
	Number	%	Number	%
Male Total	78.00	28.68	252.00	28.77
Under 6 Month	26.00	9.56	100.00	11.42
6 Months & Under 1 year	22.00	8.09	56.00	6.39
1 Year & under 2 years	24.00	8.82	48.00	5.48
2 Years & over	6.00	2.21	48.00	5.48
Female Total	194.00	71.32	624.00	71.23
Under 6 Month	19.00	6.99	92.00	10.50
6 Months & Under 1 year	22.00	8.09	63.00	7.19
1 Year & under 2 years	33.00	12.13	90.00	10.27
2 Years & over	120.00	44.12	379.00	43.26
Total Animal	272.00	100.00	876.00	100.00

TABLE 2.12

Number and percentage distribution of SHEEP and GOATS
by sex and age, private holdings, 1997/98(1990 E.C.)

GELMSHERA FA

Number in Thousands

Sex and Age Group	SHEEP		GOATS	
	Number	%	Number	%
Male Total	63.00	35.59	387.00	29.38
Under 6 Month	9.00	5.08	142.00	10.78
6 Months & Under 1 year	16.00	9.04	90.00	6.83
1 Year & under 2 years	17.00	9.60	105.00	7.97
2 Years & over	21.00	11.86	50.00	3.80
Female Total	114.00	64.41	930.00	70.62
Under 6 Month	12.00	6.78	136.00	10.33
6 Months & Under 1 year	10.00	5.65	95.00	7.21
1 Year & under 2 years	21.00	11.86	122.00	9.26
2 Years & over	71.00	40.11	577.00	43.81
Total Animal	177.00	100.00	1,317.00	100.00

TABLE 2.13

Number and percentage distribution of SHEEP and GOATS
by sex and age, private holdings, 1997/98(1990 E.C.)

Sex and Age Group	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	54.00	33.33	356.00	29.32
Under 6 Month	17.00	10.49	153.00	12.60
6 Months & Under 1 year	3.00	1.85	62.00	5.11
1 Year & under 2 years	9.00	5.56	64.00	5.27
2 Years & over	25.00	15.43	77.00	6.34
Female Total	108.00	66.67	858.00	70.68
Under 6 Month	20.00	12.35	151.00	12.44
6 Months & Under 1 year	8.00	4.94	62.00	5.11
1 Year & under 2 years	9.00	5.56	109.00	8.98
2 Years & over	71.00	43.83	536.00	44.15
Total Animal	162.00	100.00	1,214.00	100.00

TABLE 2.14

Number and percentage distribution of SHEEP and GOATS
by sex and age, private holdings, 1997/98(1990 E.C.)

Sex and Age Group	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	36.00	35.29	182.00	23.13
Under 6 Month	7.00	6.86	115.00	14.61
6 Months & Under 1 year	11.00	10.78	33.00	4.19
1 Year & under 2 years	8.00	7.84	24.00	3.05
2 Years & over	10.00	9.80	10.00	1.27
Female Total	66.00	64.71	605.00	76.87
Under 6 Month	12.00	11.76	111.00	14.10
6 Months & Under 1 year	6.00	5.88	63.00	8.01
1 Year & under 2 years	6.00	5.88	50.00	6.35
2 Years & over	42.00	41.18	381.00	48.41
Total Animal	102.00	100.00	787.00	100.00

TABLE 2.15

Number and percentage distribution of SHEEP and GOATS
by sex and age, private holdings, 1997/98 (1990 E.C.)

HAREWI FA		Number in Thousands			
Sex and Age Group	SHEEP		GOATS		
	Number	%	Number	%	
Male Total	35.00	39.33	284.00	36.41	
Under 6 Month	8.00	8.99	92.00	11.79	
6 Months & Under 1 year	9.00	10.11	31.00	3.97	
1 Year & under 2 years	6.00	6.74	85.00	10.90	
2 Years & over	12.00	13.48	76.00	9.74	
Female Total	54.00	60.67	496.00	63.59	
Under 6 Month	6.00	6.74	61.00	7.82	
6 Months & Under 1 year	5.00	5.62	37.00	4.74	
1 Year & under 2 years	19.00	21.35	85.00	10.90	
2 Years & over	24.00	26.97	313.00	40.13	
Total Animal	89.00	100.00	780.00	100.00	

TABLE 2.16

Number and percentage distribution of SHEEP and GOATS
by sex and age, private holdings, 1997/98 (1990 E.C.)

KILE FA		Number in Thousands			
Sex and Age Group	SHEEP		GOATS		
	Number	%	Number	%	
Male Total	9.00	25.71	112.00	35.00	
Under 6 Month	-	-	21.00	6.56	
6 Months & Under 1 year	1.00	2.86	20.00	6.25	
1 Year & under 2 years	2.00	5.71	20.00	6.25	
2 Years & over	6.00	17.14	51.00	15.94	
Female Total	26.00	74.29	208.00	65.00	
Under 6 Month	1.00	2.86	13.00	4.06	
6 Months & Under 1 year	1.00	2.86	12.00	3.75	
1 Year & under 2 years	1.00	2.86	16.00	5.00	
2 Years & over	23.00	65.71	167.00	52.19	
Total Animal	35.00	100.00	320.00	100.00	

TABLE 2.17

Number and percentage distribution of SHEEP and GOATS
by sex and age, private holdings, 1997/98(1990 E.C.)

Sex and Age Group		Number in Thousands			
		SHEEP		GOATS	
		Number	%	Number	%
Male Total		20.00	31.75	149.00	25.38
Under 6 Month		5.00	7.94	86.00	14.65
6 Months & Under 1 year		3.00	4.76	33.00	5.62
1 Year & under 2 years		5.00	7.94	12.00	2.04
2 Years & over		7.00	11.11	18.00	3.07
Female Total		43.00	68.25	438.00	74.62
Under 6 Month		6.00	9.52	89.00	15.16
6 Months & Under 1 year		3.00	4.76	28.00	4.77
1 Year & under 2 years		1.00	1.59	15.00	2.56
2 Years & over		33.00	52.38	306.00	52.13
Total Animal		63.00	100.00	587.00	100.00

TABLE 3.1 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1997/98 (1990 E.C.)

SUKUL FA		Number in Thousands			
Sex and Age Group	HORSES		ASSES		
	Number	%	Number	%	
Male Total	-	-	51.00	51.52	
Under 3 Years	-	-	5.00	5.05	
3 Years and Over	-	-	46.00	46.46	
Female Total	-	-	48.00	48.48	
Under 3 Years	-	-	10.00	10.10	
3 Years and Over	-	-	38.00	38.38	
Total Animal	-	-	99.00	100.00	

TABLE 3.2 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1997/98 (1990 E.C.)

HASENGEY FA		Number in Thousands			
Sex and Age Group	HORSES		ASSES		
	Number	%	Number	%	
Male Total	-	-	27.00	58.70	
Under 3 Years	-	-	2.00	4.35	
3 Years and Over	-	-	25.00	54.35	
Female Total	-	-	19.00	41.30	
Under 3 Years	-	-	2.00	4.35	
3 Years and Over	-	-	17.00	36.96	
Total Animal	-	-	46.00	100.00	

TABLE 3.3 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1997/98 (1990 E.C.)

DERE TEYARA FA		Number in Thousands			
Sex and Age Group	HORSES		ASSES		
	Number	%	Number	%	
Male Total	-	-	94.00	57.67	
Under 3 Years	-	-	10.00	6.13	
3 Years and Over	-	-	84.00	51.53	
Female Total	-	-	69.00	42.33	
Under 3 Years	-	-	5.00	3.07	
3 Years and Over	-	-	64.00	39.26	
Total Animal	-	-	163.00	100.00	

TABLE 3.4 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1997/98 (1990 E.C.)

SIGICHA FA		Number in Thousands		
Sex and Age Group	HORSES		ASSES	
	Number	%	Number	%
Male Total	-	-	171.00	56.44
Under 3 Years	-	-	14.00	4.62
3 Years and Over	-	-	157.00	51.82
Female Total	-	-	132.00	43.56
Under 3 Years	-	-	8.00	2.64
3 Years and Over	-	-	124.00	40.92
Total Animal	-	-	303.00	100.00

TABLE 3.5 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1997/98 (1990 E.C.)

MIYAY FA		Number in Thousands		
Sex and Age Group	HORSES		ASSES	
	Number	%	Number	%
Male Total	-	-	229.00	90.51
Under 3 Years	-	-	39.00	15.42
3 Years and Over	-	-	190.00	75.10
Female Total	-	-	24.00	9.49
Under 3 Years	-	-	6.00	2.37
3 Years and Over	-	-	18.00	7.11
Total Animal	-	-	253.00	100.00

TABLE 3.6 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1997/98 (1990 E.C.)

ERERWOLDYA FA		Number in Thousands		
Sex and Age Group	HORSES		ASSES	
	Number	%	Number	%
Male Total	-	-	659.00	81.97
Under 3 Years	-	-	72.00	8.96
3 Years and Over	-	-	587.00	73.01
Female Total	-	-	145.00	18.03
Under 3 Years	-	-	31.00	3.86
3 Years and Over	-	-	114.00	14.18
Total Animal	-	-	804.00	100.00

TABLE 3.7 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1997/98 (1990 E.C.)

ULANULA FA		Number in Thousands			
Sex and Age Group	HORSES		ASSES		
	Number	%	Number	%	
Male Total	-	-	96.00	71.64	
Under 3 Years	-	-	9.00	6.72	
3 Years and Over	-	-	87.00	64.93	
Female Total	1.00	100.00	38.00	28.36	
Under 3 Years	-	-	9.00	6.72	
3 Years and Over	1.00	100.00	29.00	21.64	
Total Animal	1.00	100.00	134.00	100.00	

TABLE 3.8 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1997/98 (1990 E.C.)

HAWAYE FA		Number in Thousands			
Sex and Age Group	HORSES		ASSES		
	Number	%	Number	%	
Male Total	1.00	100.00	339.00	68.48	
Under 3 Years	-	-	39.00	7.88	
3 Years and Over	1.00	100.00	300.00	60.61	
Female Total	-	-	156.00	31.52	
Under 3 Years	-	-	33.00	6.67	
3 Years and Over	-	-	123.00	24.85	
Total Animal	1.00	100.00	495.00	100.00	

TABLE 3.9 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1997/98 (1990 E.C.)

ERERDODOTA FA		Number in Thousands			
Sex and Age Group	HORSES		ASSES		
	Number	%	Number	%	
Male Total	-	-	159.00	77.94	
Under 3 Years	-	-	13.00	6.37	
3 Years and Over	-	-	146.00	71.57	
Female Total	-	-	45.00	22.06	
Under 3 Years	-	-	6.00	2.94	
3 Years and Over	-	-	39.00	19.12	
Total Animal	-	-	204.00	100.00	

TABLE 3.10 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1997/98 (1990 E.C.)

AWUMER FA		Number in Thousands			
Sex and Age Group	HORSES		ASSES		
	Number	%	Number	%	
Male Total	-	-	62.00	57.94	
Under 3 Years	-	-	11.00	10.28	
3 Years and Over	-	-	51.00	47.66	
Female Total	-	-	45.00	42.06	
Under 3 Years	-	-	10.00	9.35	
3 Years and Over	-	-	35.00	32.71	
Total Animal	-	-	107.00	100.00	

TABLE 3.11 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1997/98 (1990 E.C.)

ABUBEKER MUTI FA		Number in Thousands			
Sex and Age Group	HORSES		ASSES		
	Number	%	Number	%	
Male Total	-	-	58.00	61.70	
Under 3 Years	-	-	4.00	4.26	
3 Years and Over	-	-	54.00	57.45	
Female Total	-	-	36.00	38.30	
Under 3 Years	-	-	2.00	2.13	
3 Years and Over	-	-	34.00	36.17	
Total Animal	-	-	94.00	100.00	

TABLE 3.12 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1997/98 (1990 E.C.)

GELMSHERA FA		Number in Thousands			
Sex and Age Group	HORSES		ASSES		
	Number	%	Number	%	
Male Total	1.00	100.00	251.00	79.94	
Under 3 Years	-	-	12.00	3.82	
3 Years and Over	1.00	100.00	239.00	76.11	
Female Total	-	-	63.00	20.06	
Under 3 Years	-	-	9.00	2.87	
3 Years and Over	-	-	54.00	17.20	
Total Animal	1.00	100.00	314.00	100.00	

TABLE 3.13 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1997/98 (1990 E.C.)

AWOBERKELE FA		Number in Thousands			
Sex and Age Group	HORSES		ASSES		
	Number	%	Number	%	
Male Total	-	-	297.00	58.35	
Under 3 Years	-	-	57.00	11.20	
3 Years and Over	-	-	240.00	47.15	
Female Total	-	-	212.00	41.65	
Under 3 Years	-	-	37.00	7.27	
3 Years and Over	-	-	175.00	34.38	
Total Animal	-	-	509.00	100.00	

TABLE 3.14 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1997/98 (1990 E.C.)

SOFI FA		Number in Thousands			
Sex and Age Group	HORSES		ASSES		
	Number	%	Number	%	
Male Total	-	-	73.00	40.11	
Under 3 Years	-	-	24.00	13.19	
3 Years and Over	-	-	49.00	26.92	
Female Total	-	-	109.00	59.89	
Under 3 Years	-	-	27.00	14.84	
3 Years and Over	-	-	82.00	45.05	
Total Animal	-	-	182.00	100.00	

TABLE 3.15 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1997/98 (1990 E.C.)

HAREWI FA		Number in Thousands			
Sex and Age Group	HORSES		ASSES		
	Number	%	Number	%	
Male Total	-	-	90.00	60.81	
Under 3 Years	-	-	10.00	6.76	
3 Years and Over	-	-	80.00	54.05	
Female Total	-	-	58.00	39.19	
Under 3 Years	-	-	3.00	2.03	
3 Years and Over	-	-	55.00	37.16	
Total Animal	-	-	148.00	100.00	

TABLE 3.16 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1997/98 (1990 E.C.)

KILE FA		Number in Thousands	
Sex and Age Group	HORSES		ASSES
	Number	%	Number %
Male Total	-	-	33.00 33.67
Under 3 Years	-	-	6.00 6.12
3 Years and Over	-	-	27.00 27.55
Female Total	-	-	65.00 66.33
Under 3 Years	-	-	12.00 12.24
3 Years and Over	-	-	53.00 54.08
Total Animal	-	-	98.00 100.00

TABLE 3.17 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1997/98 (1990 E.C.)

BURKA FA		Number in Thousands	
Sex and Age Group	HORSES		ASSES
	Number	%	Number %
Male Total	1.00	100.00	113.00 57.36
Under 3 Years	-	-	16.00 8.12
3 Years and Over	1.00	100.00	97.00 49.24
Female Total	-	-	84.00 42.64
Under 3 Years	-	-	14.00 7.11
3 Years and Over	-	-	70.00 35.53
Total Animal	1.00	100.00	197.00 100.00

TABLE 4.1 Number and percentage distribution of CAMELS
by sex and age, private holdings, 1997/98(1990 E.C.)

ERERDODOTA FA		Number in Thousands	
Sex and Age Group		CAMELS	
		Number	%
Male Total		3.00	50.00
Under 4 Years		2.00	33.33
4 Years & Over		1.00	16.67
Female Total		3.00	50.00
Under 4 Years		1.00	16.67
4 Years & Over		2.00	33.33
Total Animal		6.00	100.00

TABLE 4.2 Number and percentage distribution of CAMELS
by sex and age, private holdings, 1997/98(1990 E.C.)

AWOBERKELE FA		Number in Thousands	
Sex and Age Group		CAMELS	
		Number	%
Male Total		1.00	100.00
Under 4 Years		-	-
4 Years & Over		1.00	100.00
Female Total		-	-
Under 4 Years		-	-
4 Years & Over		-	-
Total Animal		1.00	100.00

TABLE 4.3 Number and percentage distribution of CAMELS
by sex and age, private holdings, 1997/98(1990 E.C.)

KILE FA		Number in Thousands	
Sex and Age Group		CAMELS	
		Number	%
Male Total		220.00	37.80
Under 4 Years		82.00	14.09
4 Years & Over		138.00	23.71
Female Total		362.00	62.20
Under 4 Years		92.00	15.81
4 Years & Over		270.00	46.39
Total Animal		582.00	100.00

TABLE 4.4 Number and percentage distribution of CAMELS by sex and age, private holdings, 1997/98(1990 E.C.)

Sex and Age Group	Number in Thousands	
	CAMELS	
	Number	%
Male Total	14.00	34.15
Under 4 Years	10.00	24.39
4 Years & Over	4.00	9.76
Female Total	27.00	65.85
Under 4 Years	13.00	31.71
4 Years & Over	14.00	34.15
Total Animal	41.00	100.00

ANNEX II

UTILIZATION OF LIVESTOCK, POULTRY AND BEEHIVES BY FARMER ASSOCIATIONS

TABLE 5.1 CATTLE Population aged over three years and under ten years by sex and Purpose, private holdings
1997/98(1990 E.C.)

SUKUL FA Number in Thousands

Sex and Purpose	Number	%
Male Cattle	91.00	100.00
For Draught	86.00	94.51
For Beef	5.00	5.49
For Others	-	-
Female cattle	379.00	100.00
For Milk	379.00	100.00
For Draught	-	-
For Beef	-	-
For Others	-	-

TABLE 5.2 CATTLE Population aged over three years and under ten years by sex and Purpose, private holdings
1997/98(1990 E.C.)

HASENGEY FA Number in Thousands

Sex and Purpose	Number	%
Male Cattle	116.00	100.00
For Draught	97.00	83.62
For Beef	19.00	16.38
For Others	-	-
Female cattle	448.00	100.00
For Milk	447.00	99.78
For Draught	1.00	.22
For Beef	-	-
For Others	-	-

TABLE 5.3 CATTLE Population aged over three years and under ten years by sex and Purpose, private holdings
1997/98(1990 E.C.)

DERE TEYARA FA Number in Thousands

Sex and Purpose	Number	%
Male Cattle	201.00	100.00
For Draught	178.00	88.56
For Beef	19.00	9.45
For Others	4.00	1.99
Female cattle	818.00	100.00
For Milk	699.00	85.45
For Draught	1.00	.12
For Beef	4.00	.49
For Others	114.00	13.94

TABLE 5.4

CATTLE Population aged over three years and under ten years by sex and Purpose, private holdings
1997/98(1990 E.C.)

SIGICHA FA		Number in Thousands	
Sex and Purpose	Number	%	
Male Cattle	251.00	100.00	
For Draught	201.00	80.08	
For Beef	49.00	19.52	
For Others	1.00	.40	
Female cattle	651.00	100.00	
For Milk	634.00	97.39	
For Draught	1.00	.15	
For Beef	11.00	1.69	
For Others	5.00	.77	

TABLE 5.5

CATTLE Population aged over three years and under ten years by sex and Purpose, private holdings
1997/98(1990 E.C.)

MIYAY FA		Number in Thousands	
Sex and Purpose	Number	%	
Male Cattle	239.00	100.00	
For Draught	230.00	96.23	
For Beef	2.00	.84	
For Others	7.00	2.93	
Female cattle	437.00	100.00	
For Milk	395.00	90.39	
For Draught	1.00	.23	
For Beef	-	-	
For Others	41.00	9.38	

TABLE 5.6

CATTLE Population aged over three years and under ten years by sex and Purpose, private holdings
1997/98(1990 E.C.)

ERERWOLDYA FA		Number in Thousands	
Sex and Purpose	Number	%	
Male Cattle	857.00	100.00	
For Draught	839.00	97.90	
For Beef	18.00	2.10	
For Others	-	-	
Female cattle	861.00	100.00	
For Milk	861.00	100.00	
For Draught	-	-	
For Beef	-	-	
For Others	-	-	

TABLE 5.7 CATTLE Population aged over three years and under ten years by sex and Purpose, private holdings
1997/98(1990 E.C.)

ULANULA FA		Number in Thousands	
Sex and Purpose	Number	%	
Male Cattle	124.00	100.00	
For Draught	116.00	93.55	
For Beef	8.00	6.45	
For Others	-	-	
Female cattle	397.00	100.00	
For Milk	392.00	98.74	
For Draught	2.00	.50	
For Beef	3.00	.76	
For Others	-	-	

TABLE 5.8 CATTLE Population aged over three years and under ten years by sex and Purpose, private holdings
1997/98(1990 E.C.)

HAWAYE FA		Number in Thousands	
Sex and Purpose	Number	%	
Male Cattle	680.00	100.00	
For Draught	634.00	93.24	
For Beef	11.00	1.62	
For Others	35.00	5.15	
Female cattle	681.00	100.00	
For Milk	519.00	76.21	
For Draught	3.00	.44	
For Beef	-	-	
For Others	159.00	23.35	

TABLE 5.9 CATTLE Population aged over three years and under ten years by sex and Purpose, private holdings
1997/98(1990 E.C.)

ERERDODOTA FA		Number in Thousands	
Sex and Purpose	Number	%	
Male Cattle	377.00	100.00	
For Draught	368.00	97.61	
For Beef	7.00	1.86	
For Others	2.00	.53	
Female cattle	584.00	100.00	
For Milk	499.00	85.45	
For Draught	-	-	
For Beef	1.00	.17	
For Others	84.00	14.38	

TABLE 5.10 CATTLE Population aged over three years and under ten years by sex and Purpose, private holdings
1997/98(1990 E.C.)

AWUMER FA		Number in Thousands	
Sex and Purpose	Number	%	
Male Cattle	383.00	100.00	
For Draught	348.00	90.86	
For Beef	11.00	2.87	
For Others	24.00	6.27	
Female cattle	385.00	100.00	
For Milk	335.00	87.01	
For Draught	6.00	1.56	
For Beef	-	-	
For Others	44.00	11.43	

TABLE 5.11 CATTLE Population aged over three years and under ten years by sex and Purpose, private holdings
1997/98(1990 E.C.)

ABUBEKER MUTI FA		Number in Thousands	
Sex and Purpose	Number	%	
Male Cattle	132.00	100.00	
For Draught	119.00	90.15	
For Beef	13.00	9.85	
For Others	-	-	
Female cattle	523.00	100.00	
For Milk	518.00	99.04	
For Draught	2.00	.38	
For Beef	3.00	.57	
For Others	-	-	

TABLE 5.12 CATTLE Population aged over three years and under ten years by sex and Purpose, private holdings
1997/98(1990 E.C.)

GELMSHERA FA		Number in Thousands	
Sex and Purpose	Number	%	
Male Cattle	422.00	100.00	
For Draught	374.00	88.63	
For Beef	43.00	10.19	
For Others	5.00	1.18	
Female cattle	730.00	100.00	
For Milk	717.00	98.22	
For Draught	2.00	.27	
For Beef	1.00	.14	
For Others	10.00	1.37	

TABLE 5.13 CATTLE Population aged over three years and under ten years by sex and Purpose, private holdings
1997/98(1990 E.C.)

AWOBERKELE FA		Number in Thousands	
Sex and Purpose	Number	%	
Male Cattle	399.00	100.00	
For Draught	374.00	93.73	
For Beef	22.00	5.51	
For Others	3.00	.75	
Female cattle	692.00	100.00	
For Milk	669.00	96.68	
For Draught	9.00	1.30	
For Beef	3.00	.43	
For Others	11.00	1.59	

TABLE 5.14 CATTLE Population aged over three years and under ten years by sex and Purpose, private holdings
1997/98(1990 E.C.)

SOFI FA		Number in Thousands	
Sex and Purpose	Number	%	
Male Cattle	445.00	100.00	
For Draught	433.00	97.30	
For Beef	12.00	2.70	
For Others	-	-	
Female cattle	572.00	100.00	
For Milk	568.00	99.30	
For Draught	1.00	.17	
For Beef	3.00	.52	
For Others	-	-	

TABLE 5.15 CATTLE Population aged over three years and under ten years by sex and Purpose, private holdings
1997/98(1990 E.C.)

HAREWI FA		Number in Thousands	
Sex and Purpose	Number	%	
Male Cattle	520.00	100.00	
For Draught	515.00	99.04	
For Beef	4.00	.77	
For Others	1.00	.19	
Female cattle	425.00	100.00	
For Milk	425.00	100.00	
For Draught	-	-	
For Beef	-	-	
For Others	-	-	

TABLE 5.16 CATTLE Population aged over three years and under ten years by sex and Purpose, private holdings 1997/98(1990 E.C.)

KILE FA		Number in Thousands	
Sex and Purpose	Number	%	
Male Cattle	523.00	100.00	
For Draught	290.00	55.45	
For Beef	113.00	21.61	
For Others	120.00	22.94	
Female cattle	1,094.00	100.00	
For Milk	917.00	83.82	
For Draught	4.00	.37	
For Beef	-	-	
For Others	173.00	15.81	

TABLE 5.17 CATTLE Population aged over three years and under ten years by sex and Purpose, private holdings 1997/98(1990 E.C.)

BURKA FA		Number in Thousands	
Sex and Purpose	Number	%	
Male Cattle	445.00	100.00	
For Draught	439.00	98.65	
For Beef	5.00	1.12	
For Others	1.00	.22	
Female cattle	458.00	100.00	
For Milk	458.00	100.00	
For Draught	-	-	
For Beef	-	-	
For Others	-	-	

TABLE 6.1 SHEEP and GOATS Population aged Two years and over by sex and age, private holdings, 1997/98(1990 E.C.)

SUKUL FA		Number in Thousands	
Type	Sex and Purpose	Number	%
SHEEP	Male Total	15.00	100.00
	For Mutton/Meat	14.00	93.33
	For wool	-	-
	For Breeding	-	-
	For Other purposes	1.00	6.67
	Female Total	62.00	100.00
	For Mutton/Meat	1.00	1.61
	For Wool	-	-
	For Breeding	61.00	98.39
	For Other purposes	-	-
GOATS	Male Total	11.00	100.00
	For Meat	9.00	81.82
	For Breeding	2.00	18.18
	For Other purposes	-	-
	Female Total	172.00	100.00
	For Meat	2.00	1.16
	For Milk	6.00	3.49
	For Breeding	164.00	95.35
	For Other purposes	-	-

TABLE 6.2 SHEEP and GOATS Population aged Two years and over by sex and age, private holdings, 1997/98(1990 E.C.)

HASENGEY FA		Number in Thousands	
Type	Sex and Purpose	Number	%
SHEEP	Male Total	11.00	100.00
	For Mutton/Meat	6.00	54.55
	For wool	-	-
	For Breeding	4.00	36.36
	For Other purposes	1.00	9.09
	Female Total	109.00	100.00
	For Mutton/Meat	-	-
	For Wool	-	-
	For Breeding	109.00	100.00
	For Other purposes	-	-
GOATS	Male Total	28.00	100.00
	For Meat	19.00	67.86
	For Breeding	6.00	21.43
	For Other purposes	3.00	10.71
	Female Total	262.00	100.00
	For Meat	2.00	.76
	For Milk	19.00	7.25
	For Breeding	239.00	91.22
	For Other purposes	2.00	.76

TABLE 6.3 SHEEP and GOATS Population aged Two years and over by sex and age, private holdings, 1997/98(1990 E.C.)

DERE TEYARA FA		Number in Thousands	
Type	Sex and Purpose	Number	%
SHEEP	Male Total	46.00	100.00
	For Mutton/Meat	32.00	69.57
	For wool	-	-
	For Breeding	10.00	21.74
	For Other purposes	4.00	8.70
	Female Total	277.00	100.00
	For Mutton/Meat	6.00	2.17
	For Wool	-	-
	For Breeding	271.00	97.83
	For Other purposes	-	-
GOATS	Male Total	89.00	100.00
	For Meat	63.00	70.79
	For Breeding	19.00	21.35
	For Other purposes	7.00	7.87
	Female Total	558.00	100.00
	For Meat	6.00	1.08
	For Milk	34.00	6.09
	For Breeding	516.00	92.47
	For Other purposes	2.00	.36

TABLE 6.4 SHEEP and GOATS Population aged Two years and over by sex and age, private holdings, 1997/98(1990 E.C.)

SIGICHA FA		Number in Thousands	
Type	Sex and Purpose	Number	%
SHEEP	Male Total	67.00	100.00
	For Mutton/Meat	52.00	77.61
	For wool	-	-
	For Breeding	15.00	22.39
	For Other purposes	-	-
	Female Total	203.00	100.00
	For Mutton/Meat	8.00	3.94
	For Wool	-	-
	For Breeding	195.00	96.06
	For Other purposes	-	-
GOATS	Male Total	164.00	100.00
	For Meat	127.00	77.44
	For Breeding	36.00	21.95
	For Other purposes	1.00	.61
	Female Total	554.00	100.00
	For Meat	11.00	1.99
	For Milk	83.00	14.98
	For Breeding	459.00	82.85
	For Other purposes	1.00	.18

TABLE 6.5 SHEEP and GOATS Population aged Two years and over by sex and age, private holdings, 1997/98(1990 E.C.)

MIYAY FA		Number in Thousands	
Type	Sex and Purpose	Number	%
SHEEP	Male Total	32.00	100.00
	For Mutton/Meat	9.00	28.13
	For wool	-	-
	For Breeding	20.00	62.50
	For Other purposes	3.00	9.38
	Female Total	70.00	100.00
	For Mutton/Meat	-	-
	For Wool	-	-
	For Breeding	70.00	100.00
	For Other purposes	-	-
GOATS	Male Total	83.00	100.00
	For Meat	18.00	21.69
	For Breeding	60.00	72.29
	For Other purposes	5.00	6.02
	Female Total	321.00	100.00
	For Meat	2.00	.62
	For Milk	12.00	3.74
	For Breeding	304.00	94.70
	For Other purposes	3.00	.93

TABLE 6.6 SHEEP and GOATS Population aged Two years and over by sex and age, private holdings, 1997/98(1990 E.C.)

ERERWOLDYA FA		Number in Thousands	
Type	Sex and Purpose	Number	%
SHEEP	Male Total	26.00	100.00
	For Mutton/Meat	22.00	84.62
	For wool	-	-
	For Breeding	3.00	11.54
	For Other purposes	1.00	3.85
	Female Total	61.00	100.00
	For Mutton/Meat	-	-
	For Wool	-	-
	For Breeding	61.00	100.00
	For Other purposes	-	-
GOATS	Male Total	75.00	100.00
	For Meat	29.00	38.67
	For Breeding	46.00	61.33
	For Other purposes	-	-
	Female Total	900.00	100.00
	For Meat	4.00	.44
	For Milk	38.00	4.22
	For Breeding	858.00	95.33
	For Other purposes	-	-

TABLE 6.7 SHEEP and GOATS Population aged Two years and over by sex and age, private holdings, 1997/98(1990 E.C.)

ULANULA FA		Number in Thousands	
Type	Sex and Purpose	Number	%
SHEEP	Male Total	6.00	100.00
	For Mutton/Meat	5.00	83.33
	For wool	-	-
	For Breeding	1.00	16.67
	For Other purposes	-	-
	Female Total	19.00	100.00
	For Mutton/Meat	-	-
	For Wool	-	-
	For Breeding	19.00	100.00
	For Other purposes	-	-
GOATS	Male Total	39.00	100.00
	For Meat	28.00	71.79
	For Breeding	11.00	28.21
	For Other purposes	-	-
	Female Total	198.00	100.00
	For Meat	-	-
	For Milk	8.00	4.04
	For Breeding	190.00	95.96
	For Other purposes	-	-

TABLE 6.8 SHEEP and GOATS Population aged Two years and over by sex and age, private holdings, 1997/98(1990 E.C.)

HAWAYE FA		Number in Thousands	
Type	Sex and Purpose	Number	%
SHEEP	Male Total	7.00	100.00
	For Mutton/Meat	1.00	14.29
	For wool	-	-
	For Breeding	6.00	85.71
	For Other purposes	-	-
	Female Total	48.00	100.00
	For Mutton/Meat	-	-
	For Wool	-	-
	For Breeding	48.00	100.00
	For Other purposes	-	-
GOATS	Male Total	82.00	100.00
	For Meat	5.00	6.10
	For Breeding	74.00	90.24
	For Other purposes	3.00	3.66
	Female Total	725.00	100.00
	For Meat	5.00	.69
	For Milk	64.00	8.83
	For Breeding	656.00	90.48
	For Other purposes	-	-

TABLE 6.9 SHEEP and GOATS Population aged Two years and over by sex and age, private holdings, 1997/98 (1990 E.C.)

ERERDODOTA FA		Number in Thousands	
Type	Sex and Purpose	Number	%
SHEEP	Male Total	12.00	100.00
	For Mutton/Meat	10.00	83.33
	For wool	-	-
	For Breeding	2.00	16.67
	For Other purposes	-	-
	Female Total	52.00	100.00
	For Mutton/Meat	-	-
	For Wool	-	-
	For Breeding	52.00	100.00
	For Other purposes	-	-
GOATS	Male Total	30.00	100.00
	For Meat	14.00	46.67
	For Breeding	16.00	53.33
	For Other purposes	-	-
	Female Total	345.00	100.00
	For Meat	-	-
	For Milk	14.00	4.06
	For Breeding	331.00	95.94
	For Other purposes	-	-

TABLE 6.10 SHEEP and GOATS Population aged Two years and over by sex and age, private holdings, 1997/98 (1990 E.C.)

AWUMER FA		Number in Thousands	
Type	Sex and Purpose	Number	%
SHEEP	Male Total	15.00	100.00
	For Mutton/Meat	3.00	20.00
	For wool	-	-
	For Breeding	12.00	80.00
	For Other purposes	-	-
	Female Total	69.00	100.00
	For Mutton/Meat	2.00	2.90
	For Wool	-	-
	For Breeding	67.00	97.10
	For Other purposes	-	-
GOATS	Male Total	43.00	100.00
	For Meat	3.00	6.98
	For Breeding	38.00	88.37
	For Other purposes	2.00	4.65
	Female Total	238.00	100.00
	For Meat	9.00	3.78
	For Milk	33.00	13.87
	For Breeding	196.00	82.35
	For Other purposes	-	-

TABLE 6.11 SHEEP and GOATS Population aged Two years and over by sex and age, private holdings, 1997/98 (1990 E.C.)

ABUBEKER MUTI FA		Number in Thousands	
Type	Sex and Purpose	Number	%
SHEEP	Male Total	6.00	100.00
	For Mutton/Meat	6.00	100.00
	For wool	-	-
	For Breeding	-	-
	For Other purposes	-	-
	Female Total	120.00	100.00
	For Mutton/Meat	1.00	.83
	For Wool	-	-
	For Breeding	119.00	99.17
	For Other purposes	-	-
GOATS	Male Total	48.00	100.00
	For Meat	43.00	89.58
	For Breeding	5.00	10.42
	For Other purposes	-	-
	Female Total	379.00	100.00
	For Meat	4.00	1.06
	For Milk	32.00	8.44
	For Breeding	343.00	90.50
	For Other purposes	-	-

TABLE 6.12 SHEEP and GOATS Population aged Two years and over by sex and age, private holdings, 1997/98 (1990 E.C.)

GELMSHERA FA		Number in Thousands	
Type	Sex and Purpose	Number	%
SHEEP	Male Total	21.00	100.00
	For Mutton/Meat	19.00	90.48
	For wool	-	-
	For Breeding	1.00	4.76
	For Other purposes	1.00	4.76
	Female Total	71.00	100.00
	For Mutton/Meat	-	-
	For Wool	-	-
	For Breeding	71.00	100.00
	For Other purposes	-	-
GOATS	Male Total	50.00	100.00
	For Meat	31.00	62.00
	For Breeding	10.00	20.00
	For Other purposes	9.00	18.00
	Female Total	577.00	100.00
	For Meat	2.00	.35
	For Milk	102.00	17.68
	For Breeding	473.00	81.98
	For Other purposes	-	-

TABLE 6.13 SHEEP and GOATS Population aged Two years and over by sex and age, private holdings, 1997/98 (1990 E.C.)

AWOBERKELE FA		Number in Thousands	
Type	Sex and Purpose	Number	%
SHEEP	Male Total	25.00	100.00
	For Mutton/Meat	20.00	80.00
	For wool	-	-
	For Breeding	4.00	16.00
	For Other purposes	1.00	4.00
	Female Total	71.00	100.00
	For Mutton/Meat	1.00	1.41
	For Wool	-	-
	For Breeding	69.00	97.18
	For Other purposes	1.00	1.41
GOATS	Male Total	77.00	100.00
	For Meat	46.00	59.74
	For Breeding	27.00	35.06
	For Other purposes	4.00	5.19
	Female Total	536.00	100.00
	For Meat	6.00	1.12
	For Milk	175.00	32.65
	For Breeding	354.00	66.04
	For Other purposes	1.00	.19

TABLE 6.14 SHEEP and GOATS Population aged Two years and over by sex and age, private holdings, 1997/98 (1990 E.C.)

SOFI FA		Number in Thousands	
Type	Sex and Purpose	Number	%
SHEEP	Male Total	10.00	100.00
	For Mutton/Meat	7.00	70.00
	For wool	-	-
	For Breeding	1.00	10.00
	For Other purposes	2.00	20.00
	Female Total	42.00	100.00
	For Mutton/Meat	-	-
	For Wool	-	-
	For Breeding	42.00	100.00
	For Other purposes	-	-
GOATS	Male Total	10.00	100.00
	For Meat	4.00	40.00
	For Breeding	5.00	50.00
	For Other purposes	1.00	10.00
	Female Total	381.00	100.00
	For Meat	2.00	.52
	For Milk	6.00	1.57
	For Breeding	372.00	97.64
	For Other purposes	1.00	.26

TABLE 6.15 SHEEP and GOATS Population aged Two years and over
by sex and age, private holdings, 1997/98 (1990 E.C.)

HAREWI FA		Number in Thousands	
Type	Sex and Purpose	Number	%
SHEEP	Male Total	12.00	100.00
	For Mutton/Meat	-	-
	For wool	-	-
	For Breeding	12.00	100.00
	For Other purposes	-	-
	Female Total	24.00	100.00
	For Mutton/Meat	-	-
	For Wool	-	-
	For Breeding	24.00	100.00
	For Other purposes	-	-
GOATS	Male Total	76.00	100.00
	For Meat	-	-
	For Breeding	76.00	100.00
	For Other purposes	-	-
	Female Total	313.00	100.00
	For Meat	-	-
	For Milk	104.00	33.23
	For Breeding	209.00	66.77
	For Other purposes	-	-
		-	-

TABLE 6.16 SHEEP and GOATS Population aged Two years and over
by sex and age, private holdings, 1997/98 (1990 E.C.)

KILE FA		Number in Thousands	
Type	Sex and Purpose	Number	%
SHEEP	Male Total	6.00	100.00
	For Mutton/Meat	3.00	50.00
	For wool	-	-
	For Breeding	3.00	50.00
	For Other purposes	-	-
	Female Total	23.00	100.00
	For Mutton/Meat	-	-
	For Wool	-	-
	For Breeding	23.00	100.00
	For Other purposes	-	-
GOATS	Male Total	51.00	100.00
	For Meat	23.00	45.10
	For Breeding	25.00	49.02
	For Other purposes	3.00	5.88
	Female Total	167.00	100.00
	For Meat	-	-
	For Milk	3.00	1.80
	For Breeding	158.00	94.61
	For Other purposes	6.00	3.59
		-	-

TABLE 6.17 SHEEP and GOATS Population aged Two years and over by sex and age, private holdings, 1997/98 (1990 E.C.)

BURKA FA		Number in Thousands	
Type	Sex and Purpose	Number	%
SHEEP	Male Total	7.00	100.00
	For Mutton/Meat	-	-
	For wool	-	-
	For Breeding	5.00	71.43
	For Other purposes	2.00	28.57
	Female Total	33.00	100.00
	For Mutton/Meat	-	-
	For Wool	-	-
	For Breeding	33.00	100.00
	For Other purposes	-	-
GOATS	Male Total	18.00	100.00
	For Meat	1.00	5.56
	For Breeding	17.00	94.44
	For Other purposes	-	-
	Female Total	306.00	100.00
	For Meat	3.00	.98
	For Milk	20.00	6.54
	For Breeding	283.00	92.48
	For Other purposes	-	-

TABLE 7.1 Number and percentage distribution of POULTRY
by Kind, private holdings, 1997/98(1990 E.C.)

SUKUL FA

Number in Thousands

Poultry by kind	Number	%
Cocks	135.00	13.86
Cockerels	88.00	9.03
Pullets	138.00	14.17
Laying hens	378.00	38.81
Non-Lying hens	9.00	.92
Chicks	226.00	23.20
Total Poultry	974.00	100.00

TABLE 7.2 Number and percentage distribution of POULTRY
by Kind, private holdings, 1997/98(1990 E.C.)

HASENGEY FA

Number in Thousands

Poultry by kind	Number	%
Cocks	132.00	12.27
Cockerels	93.00	8.64
Pullets	150.00	13.94
Laying hens	349.00	32.43
Non-Lying hens	91.00	8.46
Chicks	261.00	24.26
Total Poultry	1,076.00	100.00

TABLE 7.3 Number and percentage distribution of POULTRY
by Kind, private holdings, 1997/98(1990 E.C.)

DERE TEYARA FA

Number in Thousands

Poultry by kind	Number	%
Cocks	339.00	16.82
Cockerels	105.00	5.21
Pullets	176.00	8.73
Laying hens	664.00	32.94
Non-Lying hens	236.00	11.71
Chicks	496.00	24.60
Total Poultry	2,016.00	100.00

TABLE 7.4 Number and percentage distribution of POULTRY by Kind, private holdings, 1997/98(1990 E.C.)

SIGICHA FA

Number in Thousands

Poultry by kind	Number	%
Cocks	351.00	17.56
Cockerels	132.00	6.60
Pullets	310.00	15.51
Laying hens	589.00	29.46
Non-Lying hens	265.00	13.26
Chicks	352.00	17.61
Total Poultry	1,999.00	100.00

TABLE 7.5 Number and percentage distribution of POULTRY by Kind, private holdings, 1997/98(1990 E.C.)

MIYAY FA

Number in Thousands

Poultry by kind	Number	%
Cocks	196.00	15.04
Cockerels	94.00	7.21
Pullets	189.00	14.50
Laying hens	499.00	38.30
Non-Lying hens	29.00	2.23
Chicks	296.00	22.72
Total Poultry	1,303.00	100.00

TABLE 7.6 Number and percentage distribution of POULTRY by Kind, private holdings, 1997/98(1990 E.C.)

ERERWOLDYA FA

Number in Thousands

Poultry by kind	Number	%
Cocks	392.00	20.06
Cockerels	138.00	7.06
Pullets	199.00	10.18
Laying hens	565.00	28.92
Non-Lying hens	225.00	11.51
Chicks	435.00	22.26
Total Poultry	1,954.00	100.00

TABLE 7.7 Number and percentage distribution of POULTRY
by Kind, private holdings, 1997/98(1990 E.C.)

ULANULA FA

Number in Thousands

Poultry by kind	Number	%
Cocks	236.00	21.24
Cockerels	59.00	5.31
Pullets	98.00	8.82
Laying hens	476.00	42.84
Non-Lying hens	43.00	3.87
Chicks	199.00	17.91
Total Poultry	1,111.00	100.00

TABLE 7.8 Number and percentage distribution of POULTRY
by Kind, private holdings, 1997/98(1990 E.C.)

HAWAYE FA

Number in Thousands

Poultry by kind	Number	%
Cocks	182.00	13.02
Cockerels	148.00	10.59
Pullets	203.00	14.52
Laying hens	323.00	23.10
Non-Lying hens	44.00	3.15
Chicks	498.00	35.62
Total Poultry	1,398.00	100.00

TABLE 7.9 Number and percentage distribution of POULTRY
by Kind, private holdings, 1997/98(1990 E.C.)

ERERDODOTA FA

Number in Thousands

Poultry by kind	Number	%
Cocks	94.00	9.65
Cockerels	114.00	11.70
Pullets	108.00	11.09
Laying hens	356.00	36.55
Non-Lying hens	32.00	3.29
Chicks	270.00	27.72
Total Poultry	974.00	100.00

TABLE 7.10 Number and percentage distribution of POULTRY
by Kind, private holdings, 1997/98(1990 E.C.)

AWUMER FA		
Number in Thousands		
Poultry by kind	Number	%
Cocks	164.00	12.11
Cockerels	76.00	5.61
Pullets	284.00	20.97
Laying hens	253.00	18.69
Non-Lying hens	166.00	12.26
Chicks	411.00	30.35
Total Poultry	1,354.00	100.00

TABLE 7.11 Number and percentage distribution of POULTRY
by Kind, private holdings, 1997/98(1990 E.C.)

ABUBEKER MUTI FA		
Number in Thousands		
Poultry by kind	Number	%
Cocks	175.00	12.99
Cockerels	110.00	8.17
Pullets	153.00	11.36
Laying hens	327.00	24.28
Non-Lying hens	160.00	11.88
Chicks	422.00	31.33
Total Poultry	1,347.00	100.00

TABLE 7.12 Number and percentage distribution of POULTRY
by Kind, private holdings, 1997/98(1990 E.C.)

GELMSHERA FA		
Number in Thousands		
Poultry by kind	Number	%
Cocks	265.00	12.11
Cockerels	164.00	7.50
Pullets	146.00	6.67
Laying hens	757.00	34.60
Non-Lying hens	182.00	8.32
Chicks	674.00	30.80
Total Poultry	2,188.00	100.00

TABLE 7.13 Number and percentage distribution of POULTRY
by Kind, private holdings, 1997/98(1990 E.C.)

AWOBERKELE FA

Number in Thousands

Poultry by kind	Number	%
Cocks	288.00	13.43
Cockerels	155.00	7.23
Pullets	211.00	9.84
Laying hens	541.00	25.22
Non-Lying hens	280.00	13.05
Chicks	670.00	31.24
Total Poultry	2,145.00	100.00

TABLE 7.14 Number and percentage distribution of POULTRY
by Kind, private holdings, 1997/98(1990 E.C.)

SOFI FA

Number in Thousands

Poultry by kind	Number	%
Cocks	138.00	8.48
Cockerels	110.00	6.76
Pullets	179.00	11.00
Laying hens	536.00	32.94
Non-Lying hens	43.00	2.64
Chicks	621.00	38.17
Total Poultry	1,627.00	100.00

TABLE 7.15 Number and percentage distribution of POULTRY
by Kind, private holdings, 1997/98(1990 E.C.)

HAREWI FA

Number in Thousands

Poultry by kind	Number	%
Cocks	278.00	14.29
Cockerels	371.00	19.07
Pullets	251.00	12.90
Laying hens	288.00	14.81
Non-Lying hens	327.00	16.81
Chicks	430.00	22.11
Total Poultry	1,945.00	100.00

TABLE 7.16 Number and percentage distribution of POULTRY
by Kind, private holdings, 1997/98(1990 E.C.)

KILE FA

Number in Thousands

Poultry by kind	Number	%
Cocks	33.00	16.10
Cockerels	10.00	4.88
Pullets	14.00	6.83
Laying hens	63.00	30.73
Non-Lying hens	16.00	7.80
Chicks	69.00	33.66
Total Poultry	205.00	100.00

TABLE 7.17 Number and percentage distribution of POULTRY
by Kind, private holdings, 1997/98(1990 E.C.)

BURKA FA

Number in Thousands

Poultry by kind	Number	%
Cocks	130.00	12.36
Cockerels	34.00	3.23
Pullets	59.00	5.61
Laying hens	410.00	38.97
Non-Lying hens	14.00	1.33
Chicks	405.00	38.50
Total Poultry	1,052.00	100.00