

**FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA
CENTRAL STATISTICAL AUTHORITY**

**AGRICULTURAL SAMPLE SURVEY
2004 / 05 [1997 E.C.]**

VOLUME II

**REPORT ON
LIVESTOCK AND LIVESTOCK CHARACTERISTICS
(PRIVATE PEASANT HOLDINGS)**



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Abbreviations

CSA	-	Central Statistical Authority
CV	-	Coefficient of Variation
E.C.	-	Ethiopian Calendar
EA	-	Enumeration Area
NA	-	Not Available
NR	-	Not Reported
SE	-	Standard Error
S.N.N.P.R.	-	Southern Nation Nationalities and People's Region

CHAPTER I

INTRODUCTION AND OBJECTIVES OF THE SURVEY

1.1 INTRODUCTION

Ethiopia is believed to have the largest livestock population in Africa. This livestock sector has been contributing considerable portion to the economy of the country, and still promising to rally round the economic development of the country. It is eminent that livestock products and by-products in the form of meat, milk, honey, eggs, cheese, and butter supply the needed animal protein that contribute to the improvement of the nutritional status of the people. Livestock also plays an important role in providing export commodities, such as live animals, hides, and skins to earn foreign exchanges to the country. On the other hand, draught animals provide power for the cultivation of the smallholdings and for crop threshing virtually all over the country and are also essential modes of transport to take holders and their families long-distances, to convey their agricultural products to the market places and bring back their domestic necessities. Livestock as well confer a certain degree of security in times of crop failure, as they are a “near-cash” capital stock. Furthermore, livestock provides farmyard manure that is commonly applied to improve soil fertility and also used as a source of energy.

Due to the very important role that the livestock sector plays in the economy of the country, formulation of development plan regarding the sector is indispensable. It is therefore imperative that livestock development plans should be formulated on the basis of reliable statistical data, and hence, timely and accurate livestock data are required for the formulation, implementation, monitoring, and evaluation of development plan and program in the sector. These livestock data can be generated usually using surveys and censuses. In this regard, subsequent surveys and a solitary agricultural census have been carried out by the Central Statistical Authority (CSA) to make available data on livestock though they were not comprehensive. The 2004/05 Annual Agricultural Sample Survey was also

conducted to produce these same data so as to keep hold of continuity and update users in general.

In this report: estimates of livestock that include cattle, sheep, goats, draught animals (horses, mules, asses and camels), poultry and beehives were made based on the information obtained from the holders within the sampled agricultural households in rural sedentary areas of the country as to the reference date (November 10, 2004 or Hidar 1, 1997 E.C.) and reference period (November 12, 2003 to November 10, 2004 or Hidar 2, 1996 E.C. to Hidar 1, 1997 E.C.). The results obtained from the livestock survey for the rural sedentary areas of the country as well as brief discussions made on the results are presented in this report. In addition, the survey results at regional and zonal levels are presented in Statistical Tables 3.1 – 3.28, and the standard errors (SE), and coefficients of variation (CV) are given in Annex Tables 1 – 10, for some variables.

1.2 OBJECTIVES OF THE SURVEY

The general objective of the livestock survey is to produce data that could be used for development planning and policy formulation regarding the sector, and the specific objectives are to purvey quantitative information on the size and characteristics of livestock in rural sedentary areas at zonal level. In order to meet these objectives, data on: livestock number by type, age, sex, purpose and breed; livestock products particularly milk, egg, and honey; livestock diseases and vaccination; and animal feed were collected from sampled agricultural households in rural sedentary areas.

CHAPTER II

SURVEY METHODOLOGY AND OPERATIONS

2.1 SCOPE AND COVERAGE

The 2004/05 (1997 E.C) Annual Agricultural Sample Survey (Livestock Sample Survey) covered the entire rural parts of the country except three zones of Afar regional state and six zones of Somali regional state where their inhabitants are predominantly pastoralists and all zones of Gambella regional state. Accordingly the survey took into account of all parts of Harari, Addis Ababa and Dire Dawa, and 58 additional Zones / Special Weredas (that were treated as zones) of other regions.

Initially, a total of 2016 Enumeration Areas (EAs) were selected to be covered by the survey, however, due to various reasons three EAs were not covered and the survey was effectively carried out in 2,013 (99.85%) EAs. As regards, the ultimate sampling unit, it was planned to conduct the survey on 50,400 agricultural households and 50,114 (99.43 %) households were actually covered by the Livestock Sample Survey. Distribution of the number of sampling units (planned and covered) by domain of estimation is tabulated in Appendix I.

2.2 SAMPLE DESIGN

A stratified two-stage cluster sample design was used to select the sample. Enumeration areas (EAs) were taken to be the primary sampling units (PSU's) and the secondary sampling units (SSU's) were agricultural households. Sample enumeration areas from each stratum were sub-samples of the 2001/2 (1994 E.C) Ethiopian Agricultural Sample Enumeration. They were selected using probability proportional to size systematic sampling; size being number of agricultural households obtained from the 1994 Population & Housing Census and adjusted for the sub-sampling effect. Within each sample EA a fresh list of households was prepared and 25 agricultural households from each sample EA were systematically

selected at the second stage. The survey questionnaire was finally administered for those 25 agricultural households selected at the second stage.

The sample size for the 2004/05 Agricultural Sample Survey was determined by taking into account both the required level of precision for the most important estimates within each domain and the amount of resources allocated to the survey. In order to reduce non-sampling errors, manageability of the survey in terms of quality and operational control was also considered in addition.

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

Estimation procedures for totals and ratios and their sampling errors are given in Appendix II. Estimates of Standard Errors and Coefficient of Variations for selected estimates are also presented in the *Annex Tables 1-10*.

Remark: As of the 2002 Ethiopian Agricultural Sample Enumeration, Addis Ababa City Administration had a total of 35 enumeration areas (EA). However, during the 2004 Urban Economic Establishments Census it was found that some of the rural enumeration areas were to be part of the urban areas of the city. Consequently, only 24 enumeration areas (EAs) were left as the rural EA's of the City Administration. Therefore, the 2004/05(1997 E.C) Livestock Sample Survey covered all the 24 EA's with certainty. Hence, there could be great variation among estimates of the 2004/05(1997 E.C) Livestock Sample Survey and that of the previous years.

2.3 BASIC CONCEPTS AND DEFINITIONS

It is thought essential that the definitions used for some key terms in the survey should be laid open and these are given as follows.

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 it consists of 150-200 households.

Households: 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 without combining with any other person to form part of a multi person household or

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

Agricultural Households: 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.

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 also 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 may be regarded as the person, who with or without 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 right to determine the utilization of the products.

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.

Draught Animal: For this survey, it refers to animals that are engaged in activities such as ploughing, threshing... etc.

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

Milking Cow: Refers to cows actually milked during the year, Nov. 12, 2003 to Nov. 10, 2004.

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

Laying Hens: Refer to all hens and pullets of all types that have laid eggs during the reference period (Nov. 12, 2003 to Nov. 10, 2004).

Other Purposes: Cattle which participate in activities such as transporting and the like other than animals kept for draught, milk and beef purposes are categorized as cattle for other purposes. Moreover, Sheep and Goats that are kept for other purposes other than breeding, wool, meat, and milk production are included in this category.

2.4 FIELD ORGANIZATION

The entire 25 Branch Statistical Offices of the CSA participated in the survey undertaking, especially in organizing the second stage training, in deploying the field staff to their respective sites of assignment, and retrieving completed questionnaires and submitting them to the head office for data processing. They were also responsible in administering the financial and logistic aspect of the survey within the areas of their assignment. In the data collection, enumerators and field supervisors were involved with an average supervisor-enumerator ratio of 1to5. To accomplish the data collection operation, all the enumerators were supplied with the necessary survey equipment at the completion of the training. To

assist the data collection activities in deployment, supervision, and retrieval of completed questionnaires, reasonably adequate four-wheel vehicles were used.

2.5 TRAINING OF FIELD STAFF

The field staff-training program was carried out in two stages. The first-stage consisted of trainees from the head office, Branch Statistical Office heads, and some of the field supervisors. The training was given for one week at CSA's headquarters in Addis Ababa. Many of these personnel trained in the first-stage conducted similar training for field supervisors and enumerators for about two weeks in branch offices, which are distributed around the country. During the second-stage training, the field staff were given detailed classroom instruction on the objectives and uses of the survey, concepts and definitions of terms used, interviewing procedures, how to fill questionnaires, ...etc. The enumerators' training also includes a field practice to strengthen the concepts discussed in the classroom.

2.6 METHOD OF DATA COLLECTION

In each selected EA, a fresh list of households was prepared and then agricultural households were identified from the list of households. From these identified agricultural households, 25 agricultural households were selected using systematic sampling techniques. Thus, all agricultural holders belonging to each selected agricultural households were interviewed and the appropriate data were collected. The reference date for enumerating livestock, poultry, & beehives was Nov. 10, 2004 (Hidar 1/1997 E.C.).

2.7 DATA PROCESSING

2.7.1 Editing, Coding, and Verification

The editing and coding instruction manuals were prepared, and intensive training was given to the editor-coders. Those trained editors-coders were accomplished

the editing and coding tasks. In due course, professional staff members were assigned to facilitate the editing and coding activities and the edited and coded questionnaires were verified by statistical technicians as well as by professionals.

2.7.2 Data Entry, Cleaning, and Processing

The data was entered by data encoders in personal computers using IMPS (Integrated Microcomputer Processing System) software. Then the data were checked and cleaned by regular staff members. Finally, the data processing activity was also done by personal computers (PCs) to produce results that were indicated in the tabulation plan.

Remark:

In the past surveys, the *reference date* for the livestock inventory was *Yekatit 1* of the respective survey year and the *reference period* was *12 months* ahead of the reference date (including the reference date). However, the *reference date* and the *reference period* for the survey year 1997 E.C. (2004/05) were changed to *Hidar 1* and *12 months back*, respectively. Hence, users should use the current year data carefully (particularly the data that are related to the reference period) as the reference periods of the current year and the preceding year **overlap** each other.

CHAPTER III

SUMMARY OF THE SURVEY RESULTS

3.1 LIVESTOCK NUMBER BY BREED, AGE, SEX, AND PURPOSE

The 2004/05 livestock survey has covered the rural sedentary areas of the country on sample basis. The total number of each type of livestock as well as the numbers disaggregated by breed, age, sex, and purpose possessed by holders on the reference date (Nov. 10, 2004), irrespective of ownership, were recorded by interviewing each holder within the selected agricultural households in the sampled enumeration areas of the country. The numbers also include the livestock belonging to the holding but temporarily away or in transit at the time of the enumeration.

3.1.1 Cattle Population

The estimates of cattle for the rural sedentary areas at country level are presented in Summary Table III.1. As shown on the table, the total cattle population for the country is estimated to be 38.75 million. Out of this total cattle population, the female cattle constitute about 55.81 percent and the remaining 44.19 percent are male cattle.

Regarding age groups, the majority of the cattle population (that is about 63 percent) is in the 3 years and less than 10 years age category, with about 36 percent female and about 27 percent male. Moreover, about 36.6 percent are less than three years and those with age category 10 years and over took small portion i.e. 3.4 percent of the total estimated number of cattle population (also see Fig III.1).

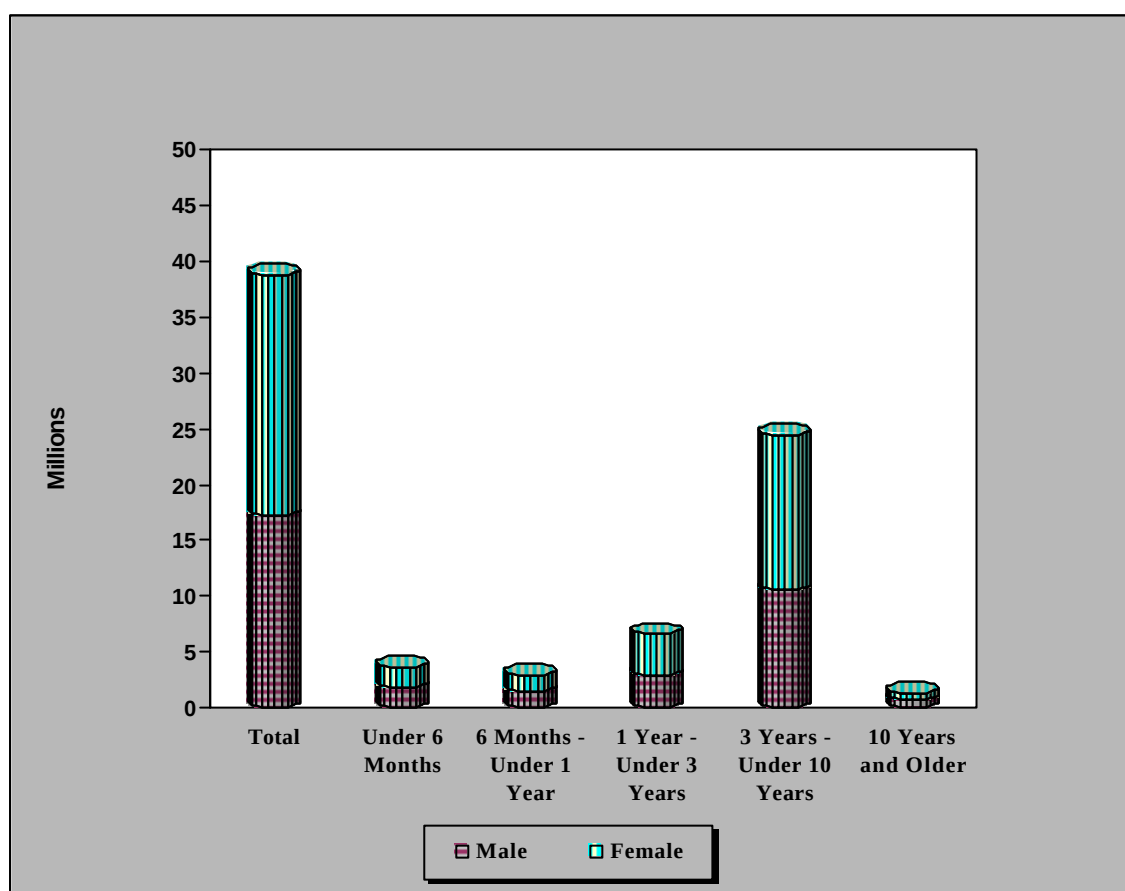
On the other hand, the results obtained indicated that 99.45 percent of the total cattle in the country are local breeds. The remaining are hybrid and exotic breeds that accounted for about 0.48 percent and 0.07 percent, respectively. Moreover,

distribution of cattle by purpose is given in the same table. Among cattle aged 3 years and less than 10 years, those used for draught purposes accounted for 25 percent and the percentage share of beef cattle is the lowest that is about 0.69 percent.

SUMMARY TABLE III.1: Estimated Number of Cattle by Sex, Age, Breed, and Purpose for the Country

Age, Breed, and Purpose	Total		Male		Female	
	Number	%	Number	%	Number	%
Total.....	38,749,310	100	17,122,734	44.19	21,626,577	55.81
Under 6 months.....	3,567,113	9.21	1,739,325	4.49	1,827,789	4.72
6 months - under 1 year.....	2,903,677	7.49	1,382,906	3.57	1,520,771	3.92
1 year – under 3 years.....	6,552,329	16.91	2,916,004	7.53	3,636,326	9.38
3 years – under 10 years.....	24,414,856	63.01	10,440,040	26.94	13,974,816	36.06
10 years and older.....	1,311,335	3.38	644,459	1.66	666,876	1.72
Cattle by Breed						
Total.....	38,749,310	100	17,122,734	44.19	21,626,577	55.81
Indigenous.....	38,536,570	99.45	17,050,269	44.00	21,486,301	55.45
Hybrid.....	187,361	0.48	63,932	0.16	123,430	0.32
Exotic.....	25,379	0.07	8,533	0.02	16,846	0.04
Aged 3 – 10 Years by Purpose						
Total.....	24,414,856	63.01	10,440,040	26.94	13,974,816	36.06
Used for Milk.....	5,896,408	15.22			5,896,408	15.22
Used for Draught.....	9,698,619	25.03	9,584,461	24.73	114,158	0.29
Used for Beef.....	267,572	0.69	211,203	0.55	56,369	0.15
Used for Breeding.....	7,275,901	18.78	303,102	0.78	6,972,799	17.99
Used for Other.....	1,276,356	3.29	341,274	0.88	935,082	2.41
Dairy Animals						
Dairy Cows.....	5,896,408	15.22			5,896,408	15.22
Milking Cows.....	8,048,148	20.77			8,048,148	20.77

FIGURE III.1 DISTRIBUTION OF CATTLE BY AGE AND SEX



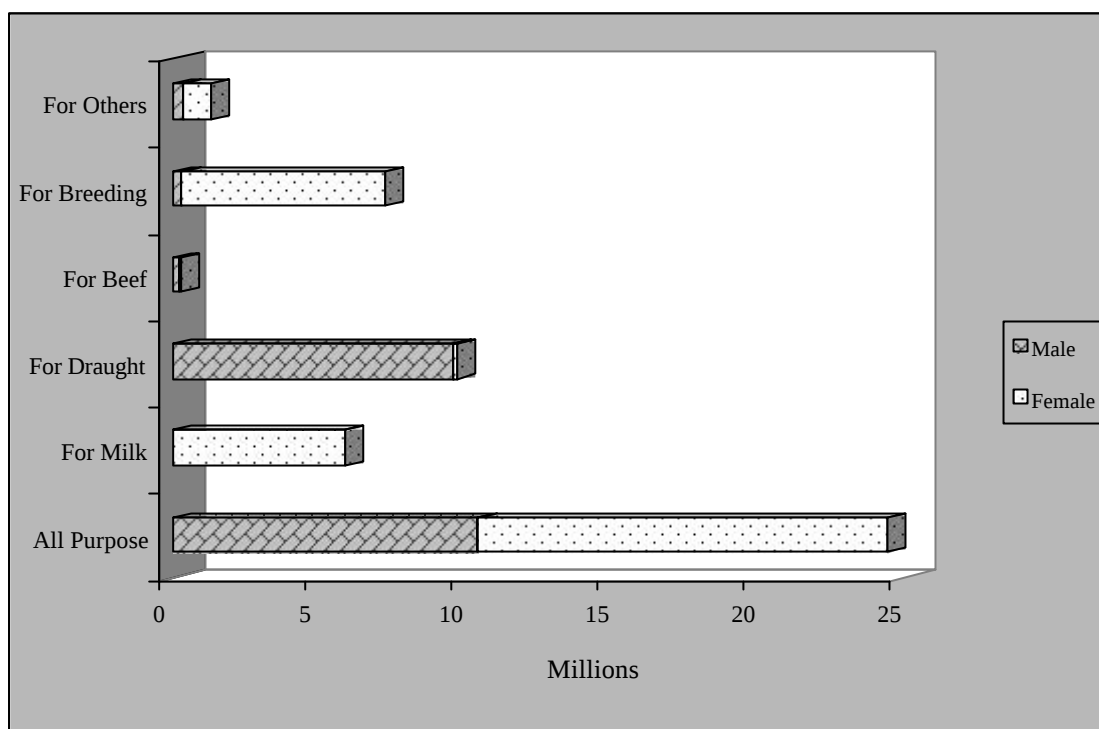
Beef cattle here refer to all cattle reared exclusively for meat that is used either for home consumption or for sale. Dairy-cows¹ are estimated to be around 5.9 million and milking-cows² are 8 million heads.

Moreover, cattle population by sex, age, breed, and purpose are presented for each region and each zone in the *Statistical Tables* given at the end of this chapter.

¹ A Dairy Cow refers to a cow that is primarily kept for milk and has been milked previously or was being milked at the time of enumeration or has never been milked before but expected to be milked in the future or pregnant at the time of enumeration.

² A Milking Cow refers to any type of cow that actually milked during the reference period (Nov. 12, 2003 to Nov. 10, 2004).

FIGURE III.2 DISTRIBUTION OF CATTLE AGED 3 AND UNDER 10 YEARS BY PURPOSE, AND SEX



3.1.2 Sheep And Goat Populations

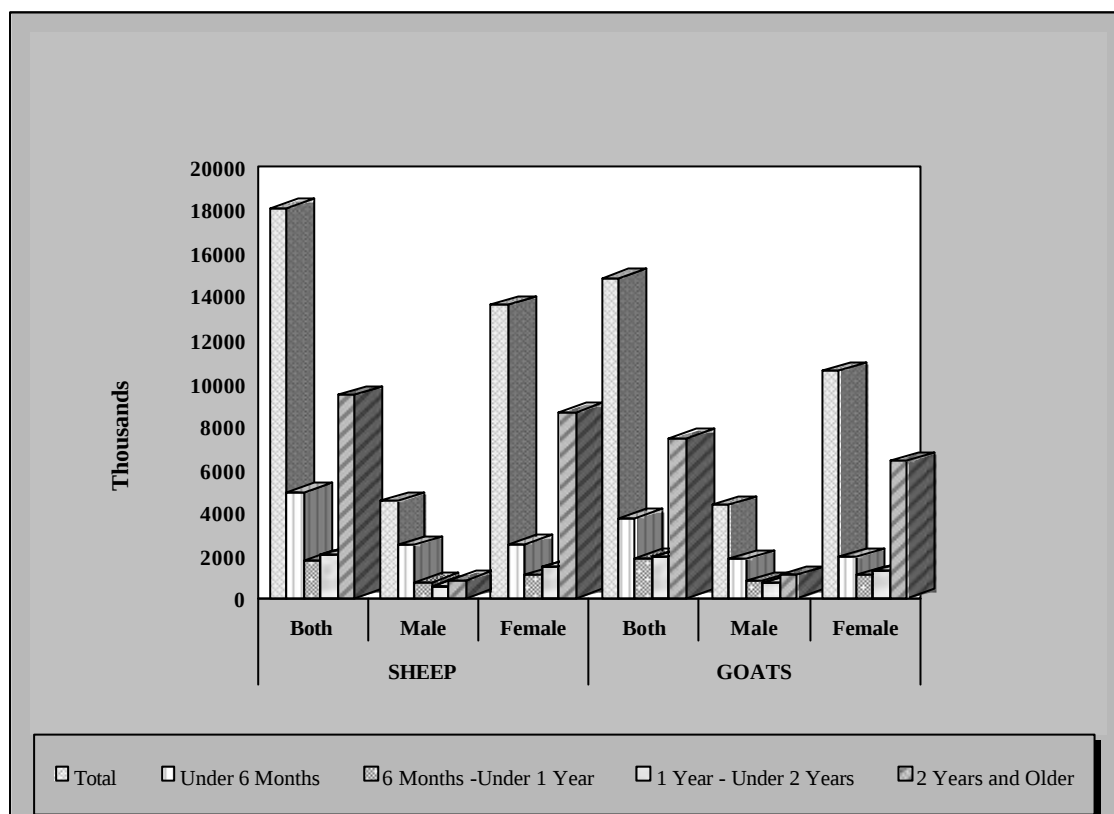
The estimated numbers and percentage distributions of sheep and goats in the sedentary areas of the country are given in Summary Table III.2. As pointed out in this table, about 18.07 million sheep are estimated to be found in the country, out of which about 75 percent are females, and about 25 percent are males. According to the survey result, the number of goats reported in the country is estimated to be about 14.86 million. Out of these total goats, 71 percent are females and 29 percent are males (see Summary Table III. 2 and Fig. III. 3).

**SUMMARY TABLE III.2: Estimated Number of Sheep and Goats by Sex, Age, Breed,
and Purpose for the Country**

Age, Breed, and Purpose	Total		Male		Female	
	Number	%	Number	%	Number	%
Total Sheep.....	18,074,721	100	4,492,189	24.85	13,582,531	75.15
Under 6 months.....	4,925,600	27.25	2,436,782	13.48	2,488,819	13.77
6 months - under 1 year.....	1,769,084	9.79	725,657	4.01	1,043,427	5.77
1 year - under 2 years.....	1,957,511	10.83	522,437	2.89	1,435,074	7.94
2 years and older.....	9,422,526	52.13	807,314	4.47	8,615,212	47.66
Sheep by Breed						
Total.....	18,074,721	100	4,492,189	24.85	13,582,531	75.15
Indigenous.....	18,049,938	99.86	4,486,593	24.82	13,563,345	75.04
Hybrid.....	*	*	-	-	*	*
Exotic.....	24,413	0.14	5,596	0.03	18,817	0.10
Sheep Aged 2 Years and Older by Purpose						
Total.....	9,422,526	52.13	807,314	4.47	8,615,212	47.66
Used for Mutton	371,194	2.05	334,695	1.85	36,499	0.20
Used for Wool.....	47,758	0.26	2,821	0.02	44,937	0.25
Used for Breeding.....	8,909,305	49.29	421,578	2.33	8,487,728	46.96
Used for Other.....	94,269	0.52	48,220	0.27	46,049	0.25
Total Goats	14,858,646	100	4,316,595	29.05	10,542,051	70.95
Under 6 months...	3,707,176	24.95	1,800,037	12.11	1,907,139	12.84
6 months - under 1 year.....	1,834,400	12.35	778,109	5.24	1,056,291	7.11
1 year - under 2 years.....	1,895,055	12.75	670,043	4.51	1,225,013	8.24
2 years and older.....	7,422,015	49.95	1,068,407	7.19	6,353,608	42.76
Goats by Breed						
Total.....	14,858,646	100	4,316,595	29.05	10,542,051	70.95
Indigenous.....	14,856,050	99.98	4,316,463	29.05	10,539,587	70.93
Hybrid.....	*	*	*	*	*	*
Exotic.....	*	*	-	-	*	*
Goats Aged 2 Years and Older by Purpose						
Total.....	7,422,015	49.95	1,068,407	7.19	6,353,608	42.76
Used for Milk	508,937	3.43			508,937	3.43
Used for Meat	459,780	3.09	417,126	2.81	42,654	0.29
Used for Breeding.....	6,379,570	42.94	603,347	4.06	5,776,223	38.87
Used for Other.....	73,728	0.50	47,934	0.32	25,794	0.17

Pertaining to the age distribution of both the sheep and the goats, the largest portions are in the age group of two years and older (52 percent and 50 percent, in that order). These are followed by the young stock under six months for both sheep and goats i.e. about 27 percent and 25 percent, correspondingly (see Figure III.3).

FIGURE III.3 DISTRIBUTION OF SHEEP AND GOATS BY AGE AND SEX



With respect to breed, almost all of the sheep and the goats are indigenous (99.86 percent and 99.98 percent, respectively).

Summary Table III.2 also discloses the numbers and percentages of sheep and goats raised for different purposes in the country. The percentages of both sheep and goats kept for mutton and meat are significantly higher for males. Moreover, the data reveals that female sheep and female goats are primarily kept for breeding purposes. Among the sheep flock two years and older (52% of the total sheep), 49.3 percent are kept for breeding; about two percent for mutton and less than one percent of the sheep were kept for wool production. Likewise, amid the goat population aged two years and older (49.95% of the total), goats kept for breeding accounted for about 43 percent while goats kept for meat accounted for about 3.1 percent. The number of goats kept for milk at country level is estimated to be about half a million, which is 3.4 percent of the total goats (see Figures III.4 and III.5).

FIGURE III.4 DISTRIBUTION OF SHEEP AGED 2 YEARS AND OLDER BY SEX, AND PURPOSE

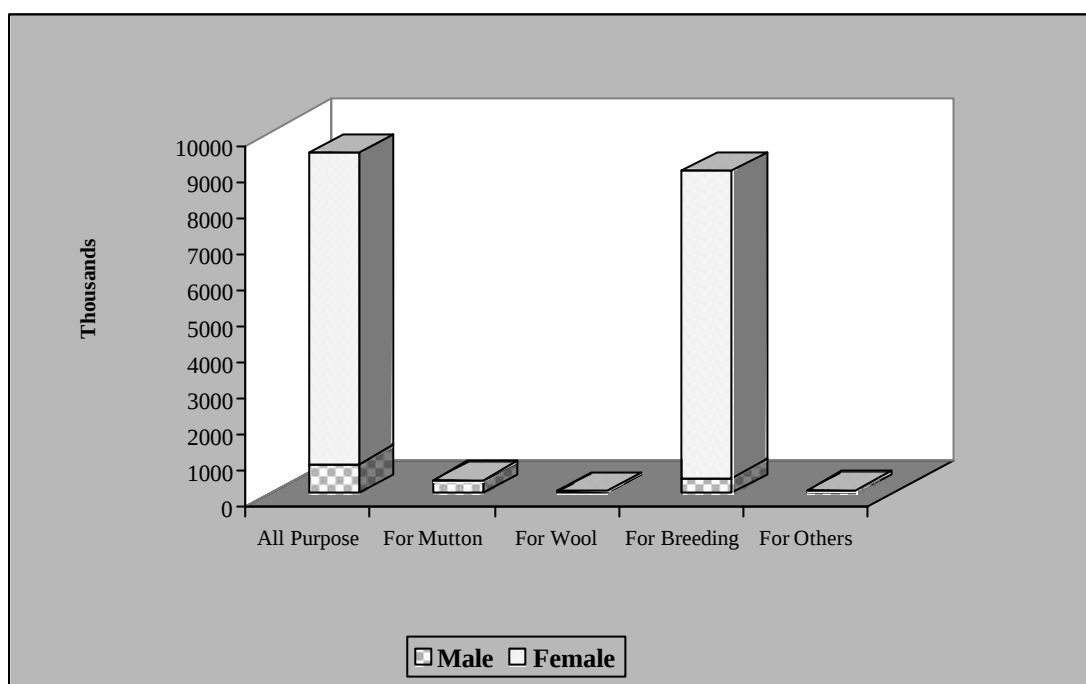
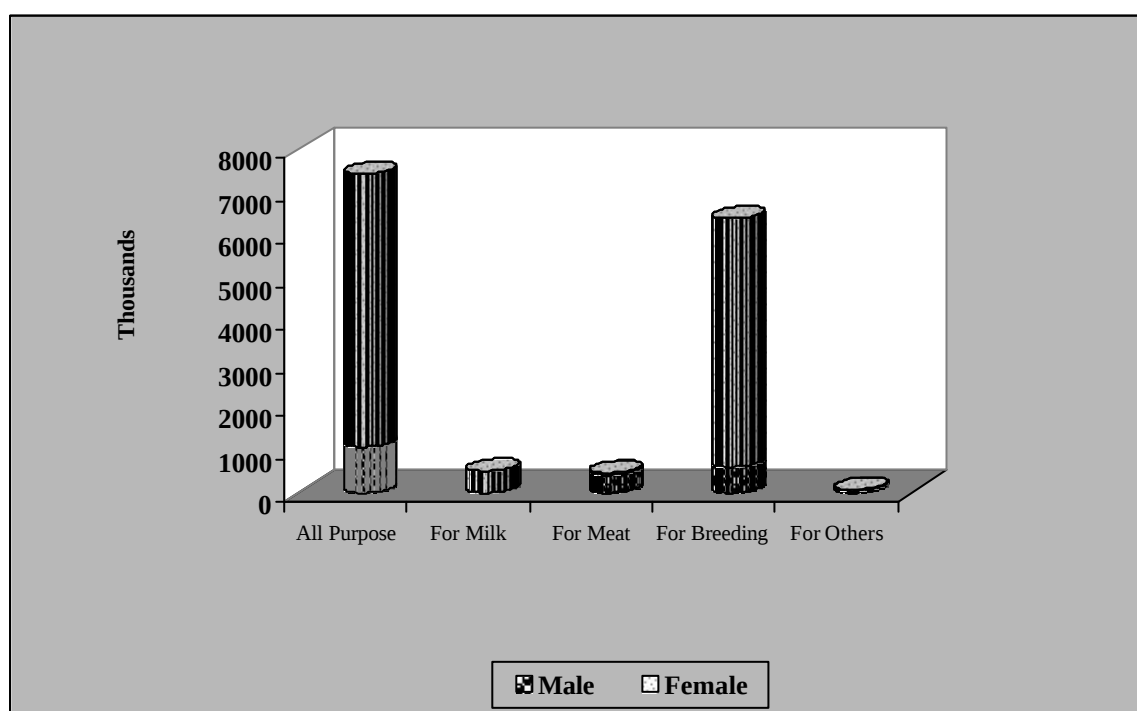


FIGURE III.5 DISTRIBUTION OF GOATS AGED 2 YEARS AND OLDER BY SEX, AND PURPOSE



The numbers and percentage distributions of sheep and goats at regional level are given in the *Statistical Tables* and look at also Figure III.9.

3.1.3 Horse, Ass, Mule And Camel Populations

Summary Table III.3 shows the estimates of horses, asses, mules, and camels for the rural sedentary areas of the country for private holdings. As per the survey results, there are about 1.52 million horses, 3.93 million asses, 0.31million mules, and 0.46 million camels in the sedentary areas of the country.

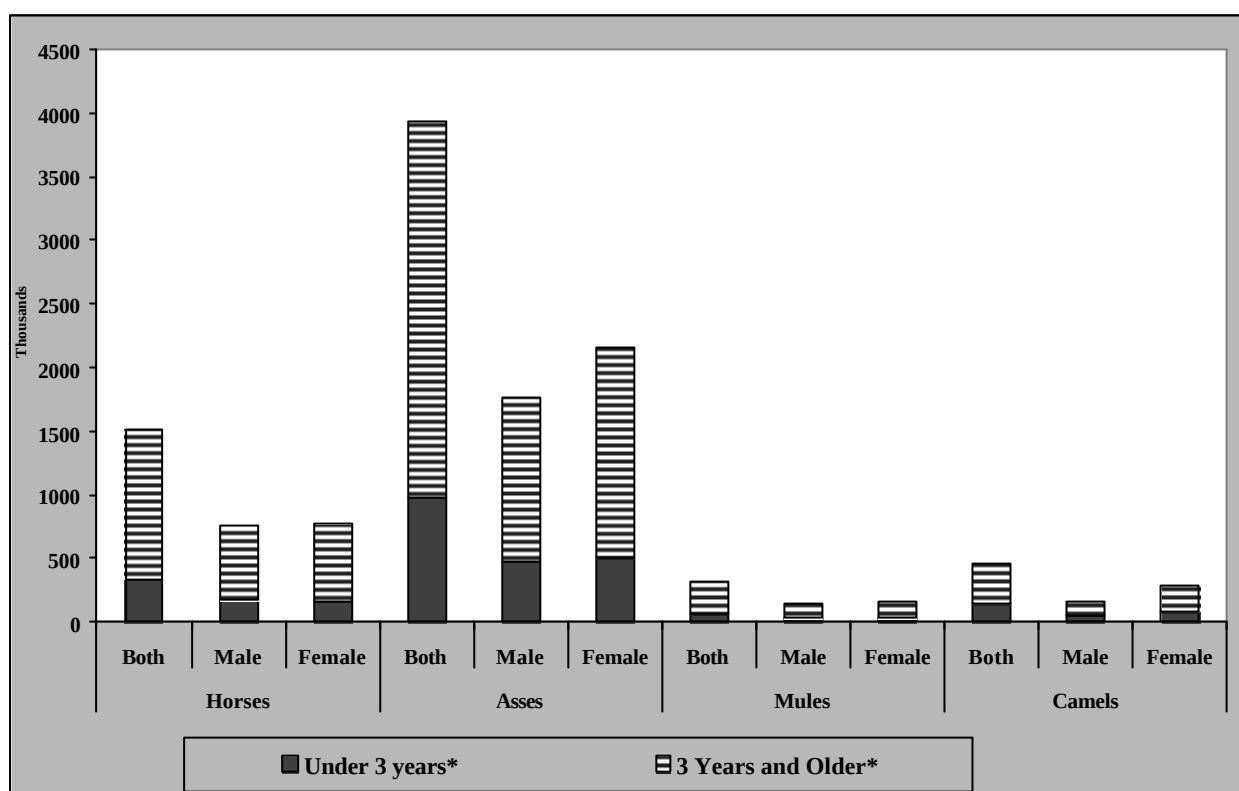
As indicated in the same table, asses are the overwhelming majority compared with the other draught animals. Out of the total ass population in the country, about 55 percent are females and the remaining 45 percent are males. With respect to age distribution, the majorities of the horses, asses and mules are of the age group 3 years and older. Furthermore, 70 percent of the camels are of the age group 4 years and older.

The estimates of these animals by purpose are also given in Summary Table III.3. Among the horses aged 3 years and older, about one million were used for transportation, 0.15 million were for draught, and the remaining 5.8 thousand were used for other purposes. With regard to asses, about 2 million were used for transportation whereas about 0.73 million and 0.16 million were used for draught and other purposes, respectively.

SUMMARY TABLE III.3: Estimated Number of Horses, Asses, Mules, and Camels by Sex, Age, and Purpose for the Country

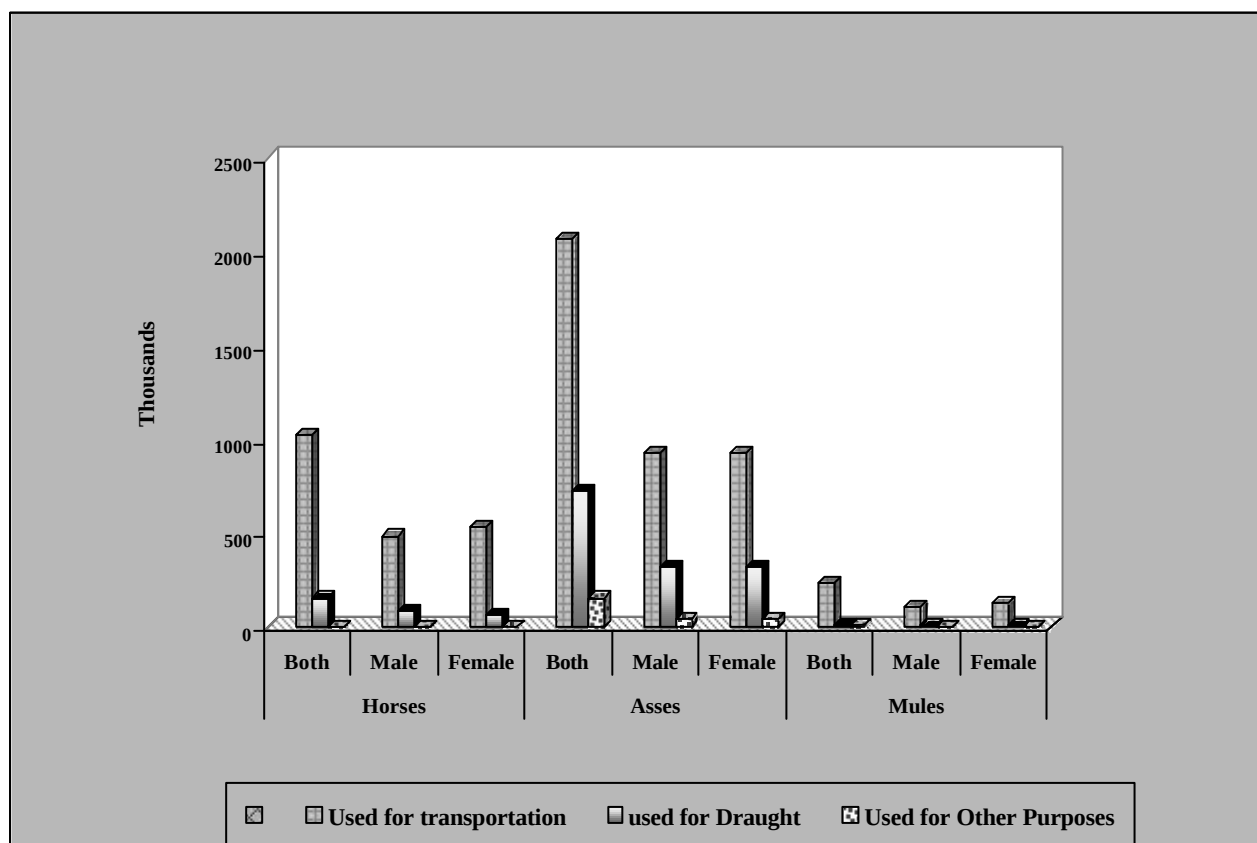
Age, Breed, and Purpose	Total		Male		Female	
	Number	%	Number	%	Number	%
Total Horses.....	1,517,585	100	750,870	49.48	766,715	50.52
Under 3 Years.....	334,115	22.02	170,707	11.25	163,408	10.77
3 years and older	1,183,470	77.98	580,163	38.23	603,308	39.75
Horses Aged 3 Years and Older by Purpose						
All Uses.....	1,183,470	77.98	580,163	38.23	603,308	39.75
Transportation.....	1,022,996	67.41	486,000	32.02	536,997	35.38
Draught.....	154,646	10.19	88,335	5.82	66,311	4.37
Other Uses.....	5,829	0.38	5,829	0.38	-	-
Total Asses.....	3,930,227	100	1,770,128	45.04	2,160,099	54.96
Under 3 Years...	975,815	24.83	474,177	12.06	501,638	12.76
3 years and older	2,954,412	75.17	1,295,951	32.97	1,658,461	42.2
Asses Aged 3 Years and Older by Purpose						
All Uses.....	2,954,412	75.17	1,295,951	32.97	1,658,461	42.20
Transportation.....	2,071,911	52.72	930,960	23.69	1,140,951	29.03
Draught.....	726,869	18.49	322,155	8.20	404,714	10.30
Other Uses.....	155,633	3.96	42,837	1.09	112,796	2.87
Total Mules	317,671	100	151,706	47.76	165,965	52.24
Under 3 Years.....	56,928	17.92	28,050	8.83	28,879	9.09
3 years and older	260,742	82.08	123,656	38.93	137,086	43.15
Mules Aged 3 Years and Older by Purpose						
All Uses.....	260,742	82.08	123,656	38.93	137,086	43.15
Transportation.....	238,028	74.93	111,132	34.98	126,896	39.95
Draught.....	14,122	4.45	7,286	2.29	6,837	2.15
Other Uses.....	8,592	2.70	5,238	1.65	3,353	1.06
Total Camels	458,576	100	166,597	36.33	291,980	63.67
Under 4 Years.....	137,548	29.99	56,326	12.28	81,222	17.71
4 years and older	321,029	70.01	110,270	24.05	210,758	45.96
Camels Aged 4 Years and Older by Purpose						
All Uses.....	321,029	70.01	110,270	24.05	210,758	45.96
Meat.....	7,516	1.64	7,255	1.58	261	0.06
Milk.....	137,830	30.06			137,830	30.06
Transportation.....	100,407	21.90	87,998	19.19	12,410	2.71
Draught.....	2,859	0.62	2,479	0.54	380	0.08
Other Uses.....	72,416	15.79	12,539	2.73	59,877	13.06

FIGURE III.6 DISTRIBUTION OF HORSES, ASSES, MULES, AND CAMELS BY AGE AND SEX



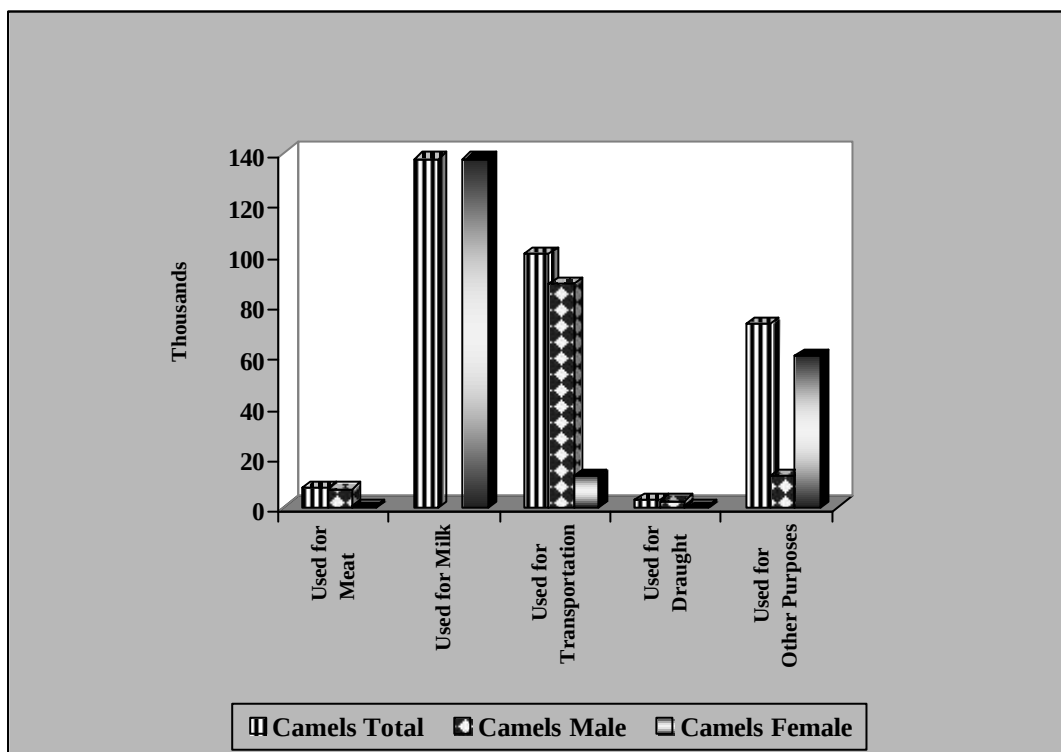
* Note that for camels the age Categories are under 4 years and 4 years & older

FIGURE III.7 DISTRIBUTION OF HORSES, ASSES, AND MULES BY PURPOSE AND SEX



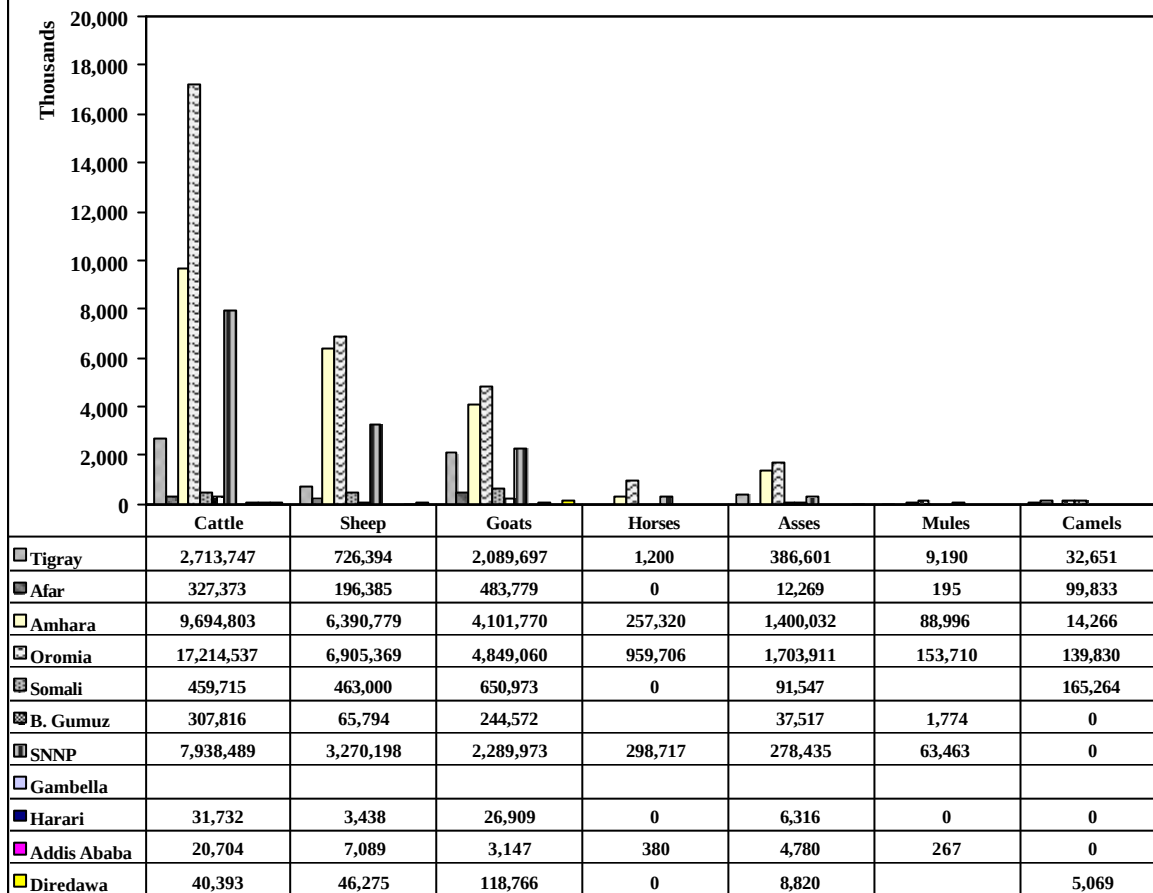
Considering the purpose of the mules, the data shows that the predominance was used for transportation and very few were intended for draught and other purposes. The survey result also indicates that 30 percent of the camels reported were kept for milk, 22 percent were for transportation, and only 0.62 were for draught purposes. On the other hand, the number of camels kept for meat was about 7.5 thousand heads (see also Figures III.6 to III.8).

FIGURE III.8 DISTRIBUTION OF CAMELS BY PURPOSE AND SEX



For the regional and zonal distributions of draught animals refer to the statistical tables presented at the end of this chapter (Tables 3-1) and Figure III.9.

FIGURE III.9 DISTRIBUTION OF LIVESTOCK BY REGION



Remark: Gambella Region was not covered due to security reasons and the other blank Cells in the data table represent unreliable figures.

3.1.4 Number of Newborn Livestock During the Reference Period

According to the survey result, about 22.6 million animals were born during the reference period in the rural sedentary areas of the country. Females accounted for the greater portion (51.7%). Pertaining to the distribution of new born animals by type, the majority are attributed to lambs followed by calves. Substantial number of goat-kids was also born within the reference period (see Summary Table III.4).

**SUMMARY TABLE III.4 Estimated Number of Newborn Livestock by
Type and Sex during the Reference Period for the Country**

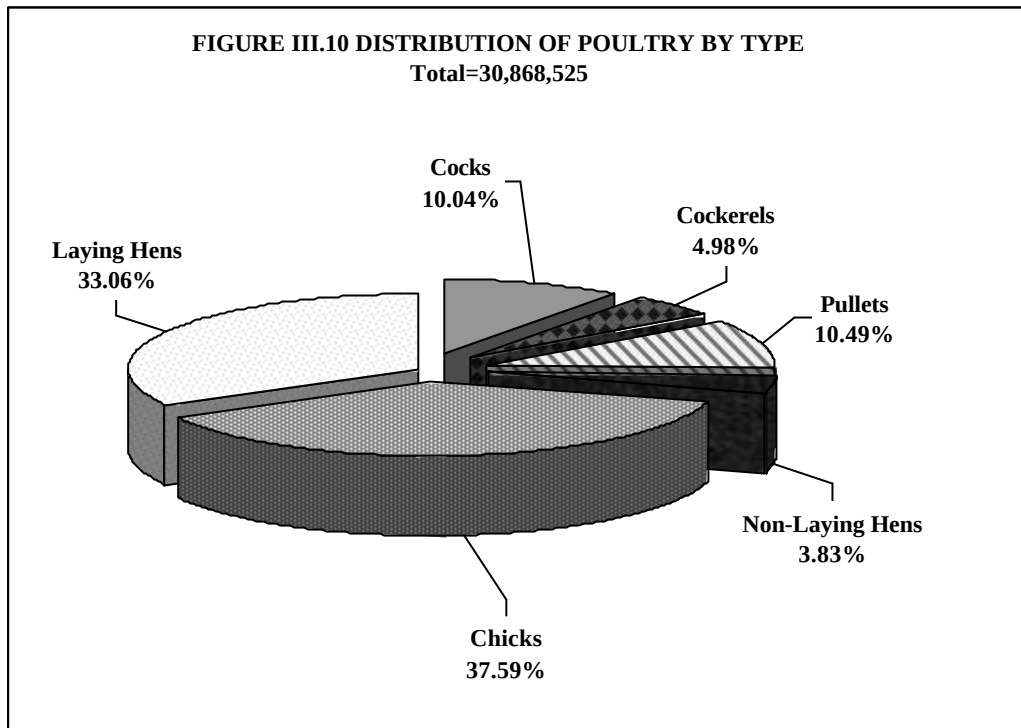
Type of Livestock	Total	%	Male	%	Female	%
Total.....	22,605,130	100	10,919,350	48.30	11,685,780	51.70
Cattle (Calves).....	7,342,082	32.48	3,605,710	15.95	3,736,372	16.53
Sheep (Lambs).....	8,191,263	36.24	3,940,428	17.43	4,250,835	18.80
Goat (Kids).....	6,393,726	28.28	3,023,924	13.38	3,369,802	14.91
Horse/Mule	163,144	0.72	86,121	0.38	77,023	0.34
Ass	435,552	1.93	230,436	1.02	205,116	0.91
Camel	79,363	0.35	32,731	0.14	46,632	0.21

3.1.5 Poultry Population

Data on poultry population are collected as part of the livestock survey, and the total poultry population at country level is estimated to be about 31 million. In this report, poultry includes cocks, cockerels, pullets, laying hens, non-laying hens and chicks. Consequently, as shown in Summary Table III.5 and Figure III.10, most of the poultry are chicks (37.59 percent), followed by laying hens (10.21 percent). Pullets are estimated to be 3.24 million in the country. Cocks and cockerels are also estimated separately, and are 3.1 million and 1.54 million, respectively. The others are non-laying hens that make up about 3.83 percent (1.18 million) of the total poultry population in the country. With regard to breed, 97.79 percent and 2.21 percent of the total poultry were reported to be indigenous and exotic, respectively. For the regional and zonal distributions of poultry refer to the statistical tables presented at the end of this chapter (Tables 3-1).

**SUMMARY TABLE III.5: Estimated Number of Poultry by Type and Breed
for the Country**

Type of Poultry	All		Indigenous		Exotic	
	Number	%	Number	%	Number	%
All Poultry	30,868,525	100	30,196,586	97.82	671,939	2.18
Cocks	3,099,246	10.04	3,023,695	9.8	75,551	0.24
Cockerels	1,538,496	4.98	1,521,937	4.93	16,559	0.05
Pullets	3,237,216	10.49	2,988,838	9.68	248,378	0.8
Non-Laying Hens	1,183,151	3.83	1,149,547	3.72	33,604	0.11
Chicks	11,604,879	37.59	11,542,934	37.39	61,945	0.2
Laying Hens	10,205,537	33.06	9,969,634	32.3	235,903	0.76



3.1.6 Beehive Population

Information on beehives was also collected during the livestock survey. As stated by the Ministry of Agriculture, there are three types of beehives, and these are traditional, intermediate, and modern.

Traditional [Fixed comb] Hive is a hollow structure made of cheap materials like clay, straw, bamboo, false banana leaves, logs, barks of tree, and animal dung. The bees fill all the available space with honeycombs from the top to down wards. The honeycombs cannot be removed since they are attached to the top and the sides of the hive. The honey can be removed only by removing one wall of the hive and breaking or cutting out the honeycomb (Reihard Fichtl and Admasu, 1994; Gezahegn Taddesse, 1993 E.C.).

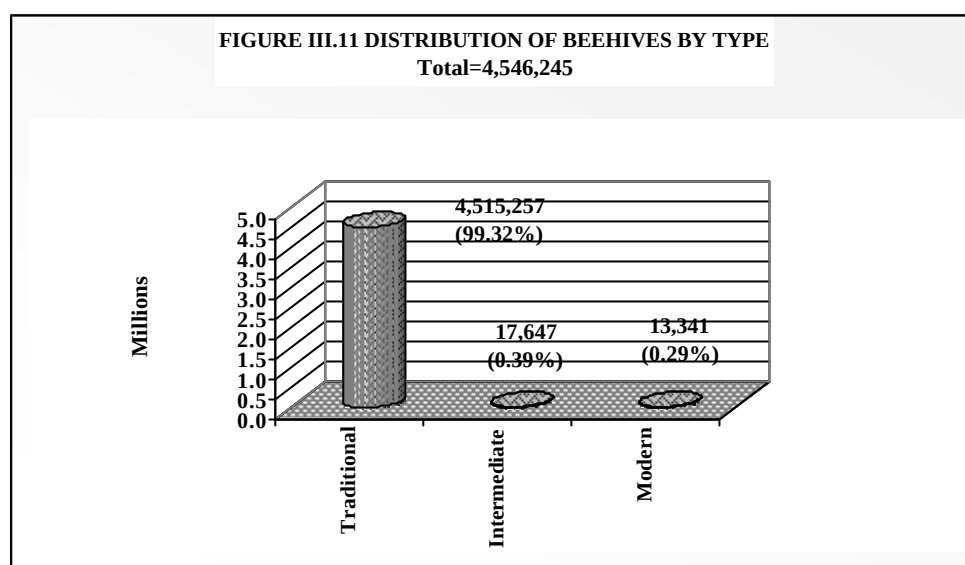
Intermediate [Transitional] Hive is a long trough-shaped box with sloping sidewalls covered with bars of a fixed width. The hive consists of a bottom board, two sidewalls and front and back walls. One opening is made in the front wall to serve as flight entrance. The cover of the hive can be made from any material, which gives adequate protection against light, sun, and rain (Gezahegn Tadesse, 1993 E.C.; P.Seegeren et al, 1997).

Modern Hive [Hive with Frames] is a brood (offspring) chamber (box) with a fixed bottom board and flight board. In the bottom board there is a ventilation hole of size (15cmx30cm), which can be covered with fine wire mesh or other suitable material. The brood chamber holds ten frames, which are kept separately at the right distance by means of side bar, or nails. Queen excluder (not necessary) placed horizontally on top of the brood chamber (Gezahegn Tadesse, 1993 E.C.; P.Seegeren et al, 1997).

Any type of the above beehives was enumerated if it produced honey at least once during the reference period (November 12, 2003 to November 10, 2004). Accordingly, the result of the survey revealed that a total of about 4.55 million hives is estimated to be found in the rural sedentary areas of the country. From this total hives, the greater part (99.32 percent) is reported to be traditional (see Summary Table III.6).

SUMMARY TABLE III.6: Estimated Number of Beehives by Type for the Country

Type of Beehive	Number	%
All Beehives.....	4,546,245	100
Traditional Beehives.....	4,515,257	99.32
Intermediate Beehives.....	17,647	0.39
Modern Beehives.....	13,341	0.29



For the regional and zonal distributions refer to the statistical tables presented at the end of this chapter (Table 3-1).

3.2 LIVESTOCK PRODUCTS

This section summarizes results on livestock products at country level. The various animal products include milk and milk products, eggs, wool, meat, hides and skins. Although data on such livestock products are not easily obtainable in the Ethiopian traditional agricultural sector, an endeavor was made to collect data on milk and honey productions. The data were collected subjectively from the holders in the sampled households and the results obtained are briefly discussed below.

3.2.1 Milk Production

Estimation of milk production entails three components, namely number of milking cows, number of months milking cows actually milked within the reference period and average milk production per cow per day. Hence, data on these components have been collected and the total milk production in the sedentary areas of the country is estimated by multiplying these three components. However, two basic concepts about milk production should be mentioned here. “Gross production”, which includes whole fresh milk actually milked and milk sucked by young animals and also milk fed to other animals. “Net

production” consists of whole milk actually milked and milk fed to other animals but excludes milk sucked by young animals. Therefore, in the case of this survey, milk production is estimated based on the concept of “net production”, and as indicated in Summary Table III.7, the estimate of total cow milk production for the rural sedentary areas of the country during the reference period, is about 2.14 billion liters. On the other hand, the estimate of camel milk for the same sedentary areas of the country is about 109.68 million liters.

Data on lactation period and average milk yield per cow per day were also collected. As a result, the average lactation period per cow during the reference period at country level is estimated to be about seven months, and average milk yield per cow per day is about 1.233 liters. With regard to camel, the average lactation period is about nine months whereas the average daily milk yield is about 3.537 liters in the sedentary areas of the country.

3.2.2 Honey Production

To estimate honey production, number of hives, frequency of honey production and honey production per harvest are required. Therefore, these data were collected from the holders within sampled households in the rural sedentary areas of the country. As a result, the estimate of total honey production is about 30.38 million kilograms of which the greater portion (98.9 percent) is harvested from traditional hives (see Summary Table III.7).

As can be seen from the survey data, honey was harvested on average 1.43, 1.66, and 1.37 times during the reference period from traditional, intermediate and modern hives, respectively (see Summary Table III.7).

3.2.3 Egg Production

To estimate egg production, the average number egg laying periods per hen per annum, length of a single egg-laying period per hen, and average number of eggs laid per hen per

egg-laying period are required. Therefore, these data were collected from the livestock holders within sampled livestock owned households. As a result, the estimate of total number of eggs produced during the year is about 97.46 million (Summary Table III.7). Average egg-laying period per hen and average number of eggs laid per hen during the reference period are also estimated for both local and exotic breeds. Consequently, the average number egg-laying period per hen per year is about *four* and *one* for the local and exotic breeds, respectively. The average length of a single egg-laying period per hen is estimated to be about 20 and 126 days for local and exotic breeds, in that order. The average number of eggs laid per hen per egg- laying period in the country is about 12 and 119 eggs, correspondingly (see Summary Table III.7)

SUMMARY TABLE III.7: Milk, Honey, and Egg Production for the Country

Item	Quantity Produced and Frequency	
Milk Production		
Cow Milk		
Average Daily Milk Production (Liters/Cow)...	1.233	
Average Lactation Period (Months).....	7	
Total Milk Production (Liters).....	2,138,979,647	
Camel Milk		
Average Daily Milk Production (Liters/Camel)..	3.537	
Average Lactation Period (Months).....	9	
Total Milk Production (Liters).....	109,684,978	
Honey Production		
All Types of Beehives (Number).....	4,546,244	
Production (Kilograms)	30,381,461	
Average Frequency (Harvests/Year)	1.44	
Traditional Beehives (Number).....	4,515,257	
Production (Kilograms)	30,059,240	
Average Frequency (Harvests/Year)	1.43	
Intermediate Beehives (Number).....	17,647	
Production (Kilograms)	88,647	
Average Frequency (Harvests/Year)	1.66	
Modern Beehives (Number).....	13,341	
Production (Kilograms)	233,574	
Average Frequency (Harvests/Year)	1.37	
Egg Production	Indigenous	Exotic
Average Number of Egg-laying Period/Year.....	4	1
Average Length of a Period (in days).....	20	126
Average Number of Eggs/Hen/Period.....	12	119
Total Egg Production (Number).....	97,458,301	5,325,790

3.3 LIVESTOCK VACCINATION, DISEASE, TREATMENT, AND DEATH

Diseases have numerous negative impacts on productivity of herds i.e. death of animals, loss of weights, slow down growth, poor fertility performance, decrease in physical power

and the likes. There have been many ways of fighting against diseases and among these, vaccinations (preventive measures) and treatments (curative measures) are the major ones. However, no efficient fight against disease or disease prevention is possible if descriptive data on prevalence of diseases, deaths, vaccinations, and treatments are not available. The availability of these data is also very important to set-up strategies that can assist in preventing and controlling diseases, by and large in improving veterinary services of the country. Hence, it was considered desirable to collect information on vaccinations, treatments, diseases, and deaths of animals during the survey.

SUMMARY TABLE III.8: Estimated Number of Livestock Vaccinated, Afflicted, Treated, and Died in the Country

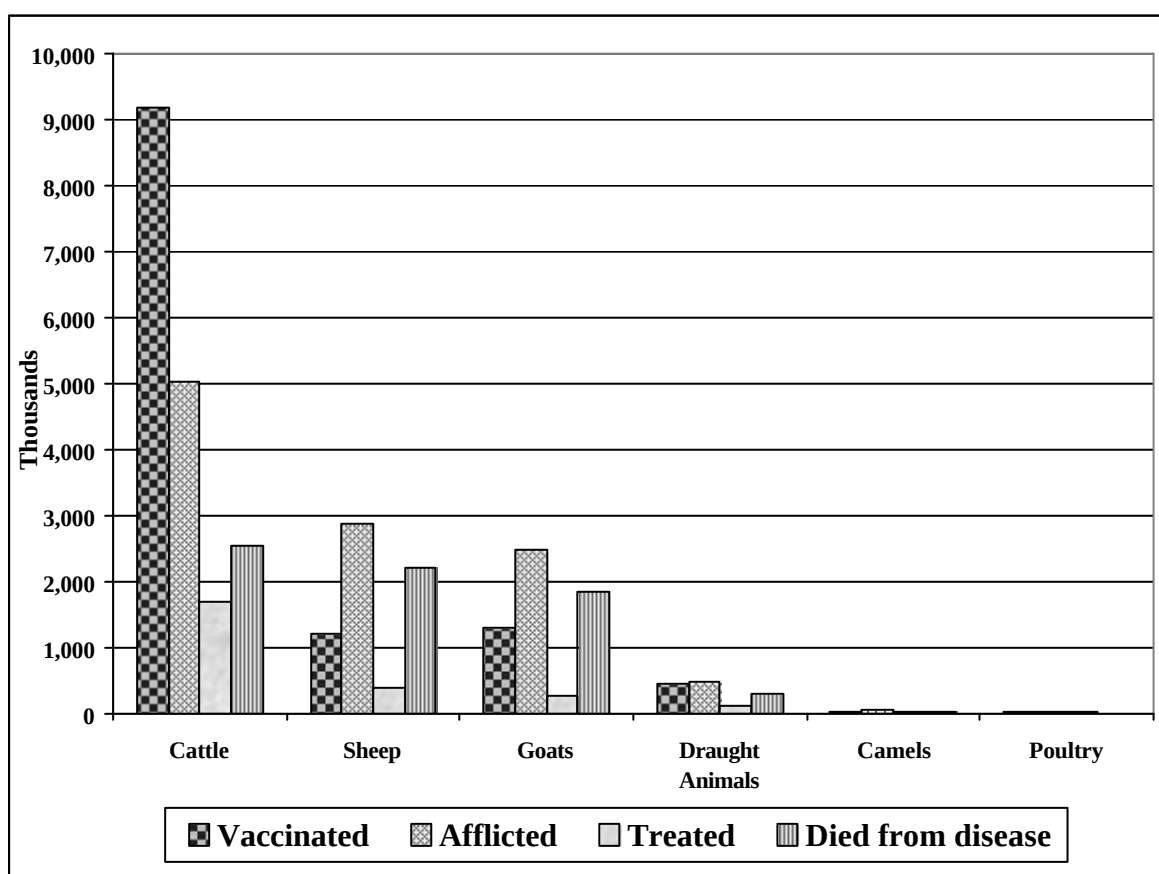
Item	Number	%
Total Vaccinated	12,142,444	100
Cattle	9,203,910	75.8
Sheep	1,188,213	9.79
Goats	1,286,347	10.59
Horses, Asses, and Mules	444,171	3.66
Camels	19,103	0.16
Poultry	*	*
Total Afflicted.....	10,894,721	100
Cattle	5,015,949	46.04
Sheep	2,862,193	26.27
Goats	2,491,327	22.87
Horses, Asses, and Mules	473,329	4.34
Camels	44,727	0.41
Poultry	7,197	0.07
Total Treated.....	2,459,734	100
Cattle	1,691,431	68.76
Sheep	388,854	15.81
Goats	247,472	10.06
Horses, Asses, and Mules	123,306	5.01
Camels	7,049	0.29
Poultry	*	*
Total Died from Disease	6,925,846	100
Cattle	2,551,492	36.84
Sheep	2,210,005	31.91
Goats	1,851,059	26.73
Horses, Asses, and Mules	286,668	4.14
Camels	24,248	0.35
Poultry	*	*
Total Died from other Reasons.....	2,472,153	100
Cattle	851,380	34.44
Sheep	724,949	29.32
Goats	766,667	31.01
Horses, Asses, and Mules	107,142	4.33
Camels	15,176	0.61
Poultry	*	*

Data on these parameters specifically on numbers of vaccinated, afflicted, treated and dead animals were therefore collected and the results are shown in Summary Table III.8. The estimated number of vaccinated animals within the reference period in the rural areas of

the country is about 12.14 million. Out of these animals, about 75.8 percent were cattle followed by goats, which took about 10.59 percent share. Sheep and draught animals (horses, asses, and mules) also accounted for about 9.79 percent, and 3.66 percent of the total vaccinated animals, respectively. The estimated number of vaccinated camels in the country is about 19.1 thousand, which is only 0.16 percent of the total vaccinated animals.

In the same table, it is indicated that about 10.89 million animals were diseased/afflicted by different types of diseases during the reference period and only 2.46 million of them were treated. The cattle constituted about 68.76 percent of the total treated animals in the country and substantial numbers of sheep and goats were treated as well (see Summary Table III.8).

FIGURE III.12 DISTRIBUTION OF ANIMALS VACCINATED, AFFLICTED, TREATED AND DIED BY TYPE



According to the survey data, greater number of animals died during the reference period in the country due to various diseases of which the majority (36.84 percent) were cattle. In addition, the estimated numbers of sheep, goats, and draught animals died from disease in

the country were about 2.21million; 1.85 million; and 0.29 million heads, respectively. The estimated number of animals died from other reasons during the reference period is given in the same table and totaled about 2.5 million (see Summary Table III.8).

For the regional and zonal distributions refer to the statistical tables presented at the end of this chapter (Tables 3.22 - 3.25).

3.4 NUMBER OF HOLDINGS BY SIZE OF LIVESTOCK*

Concerning the number of holdings by size of livestock, the summary results for cattle, sheep, goats, draught animals, and poultry are given in the following tables (Summary Table III.9a – d).

Most of the holdings, about 53%, reported one to four cattle and considerable portion (about 21%) of the holdings possess five to nine cattle. About 20.5% of the total holdings were also without cattle during the reference date (Summary Table III.9a).

Summary Table III.9a: Number of Holdings by Size of Cattle

Size	Number of Holdings	%
All Holdings.....	11,296,840	100
Holdings with no Cattle ...	2,317,120	20.51
1-2 Head.....	3,105,291	27.49
3-4 Head.....	2,902,997	25.70
5-9 Head.....	2,365,147	20.94
10-19 Head.....	517,581	4.58
20-49 Head.....	82,133	0.73
50-99 Head.....	5,673	0.05
100-199 Head.....	*	*
>=200 Head.....	-	-

The result of the survey also revealed that about 23% and 17% of the total holdings were with one to four head of sheep and goats, in that order. The majority of the holdings, about 74% and about 66% have reported no sheep and no goat, correspondingly (see Summary Table III.9b).

* The measures of size used for classification were adapted from FAO recommendation (2005).

Summary Table III.9b: Number of Holdings by Sizes of Sheep and Goats

Size	Sheep		Goats	
	Number Of Holdings	%	Number of Holdings	%
All Holdings.....	11,296,840	100	11,296,840	100
Holdings with no Sheep/Goats.	7,405,559	65.55	8,358,526	73.99
1-4 Head.....	2,547,255	22.55	1,887,913	16.71
5-9 Head.....	971,152	8.60	730,143	6.46
10-49 Head.....	367,814	3.26	309,350	2.74
50-99 Head.....	4,144	0.04	8,463	0.07
100-199 Head.....	*	*	2,042	0.02
200-499 Head.....	*	*	403	0.00
>=500 Head.....	-	-	-	-

With regard to draught animals, from the holdings that owned draught animals, most of them were with one to two head. About 99%, 97%, 91%, and 75% of the total holdings were with no camel, mule, horse, and ass, respectively (see Summary Table III.9c).

Summary Table III.9c: Number of Holdings by Size of Draught Animals

Size	Horses		Asses		Mules		Camels	
	Number of Holdings	%	Number of Holdings	%	Number of Holdings	%	Number of Holdings	%
All Holdings.....	11,296,840	100	11,296,840	100	11,296,840	100	11,296,840	100
Holdings with no Animals.	10,328,752	91.43	8,466,106	74.94	11,001,246	97.38	11,191,097	99.06
1-2 Head.....	844,528	7.48	2,659,013	23.54	295,014	2.61	61,546	0.54
3-4 Head.....	106,744	0.94	162,316	1.44	*	*	19,257	0.17
5-9 Head.....	15,844	0.14	8,737	0.08	-	-	13,074	0.12
>= 10 Head.....	*	*	*	*	-	-	11,866	0.11

The size of poultry that most holdings reported is the one to nine size group followed by the 10 to 49 size group. Sizeable (45.43%) holdings were also without poultry (see Summary Table III.9d).

Summary Table III.9d: Number of Holdings by size of Poultry

Size	Number of Holdings	%
All Holdings.....	11,296,840	100.00
Holdings with no Poultry...	5,131,684	45.43
1-9 Head.....	5,310,889	47.01
10-49 Head.....	853,964	7.56
50-99 Head.....	*	*
100-199 Head.....	*	*
200-499 Head.....	-	-

3.5 ANIMAL FEED

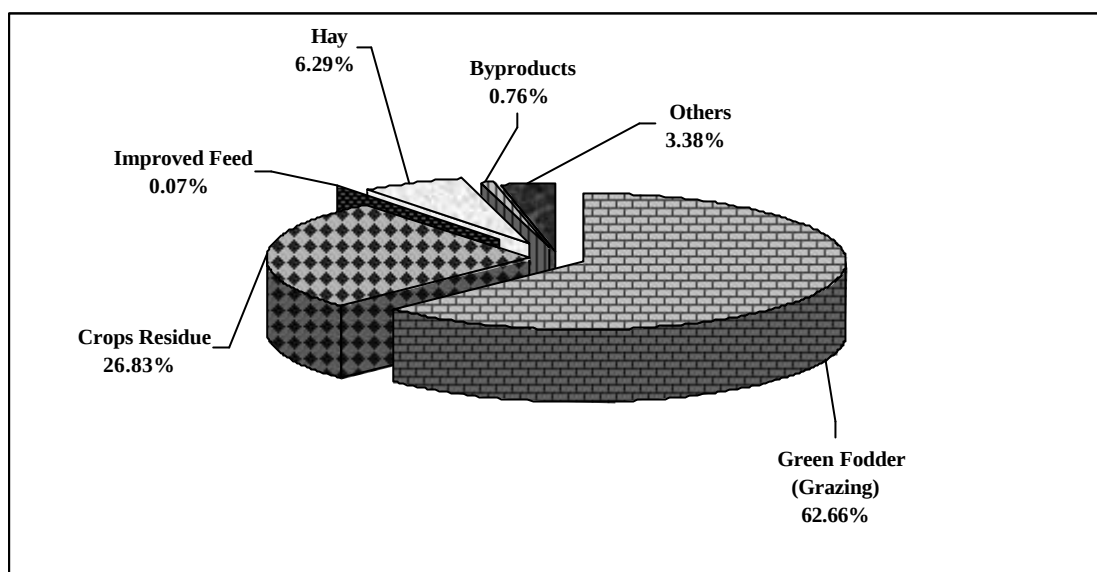
Data on animal feed practices of holders in the rural sedentary areas of the country were gathered to assess the feed utilization experience. For the purpose of this report, animal feeds are classified as green fodder (grazing), crop residue, improved feed, hay, industrial by-products, and other feeds. *Green fodder* is simply pasture grasses; *crop residue* includes harvested by-products (straw and chaff of cereals and pulses, etc.); *improved feed* is like alfalfa; *hay* includes any type of grass, clover etc. cut and dried as fodder; and finally industrial *by-products* are like oil cake (rapeseed cake, nugg cake, sunflower cake, etc.), bran, and brewery residue.

According to the information collected on feed usage experience of holders in the rural areas of the country, green fodder (grazing) is the major type of feed (about 62.66 percent) followed by crops residue that is 26.83 percent. Hay and by-products were also used as animal feeds that comprise about 6.29 and 0.76 percent of the total feeds, respectively. Moreover, as shown in Summary Table III.10 and Figure III.13, very small amount of improved feed (only 0.07 percent) was used as animal feed and other types of feed that accounted for about 3.38 percent were also used in the country.

SUMMARY TABLE III.10: Animal Feed Practices in the Country

Item	Number of Holders Reporting	Percentage That Use:
Total		100
Green Fodder/Grazing.....	9,789,364	62.66
Crops Residue.....	8,128,882	26.83
Improved Feed.....	37,297	0.07
Hay.....	2,874,880	6.29
By-products.....	663,408	0.76
Others.....	2,806,337	3.38

FIGURE III.13 ANIMAL FEED PRACTICES OF HOLDERS



Summary Table III.10 also highlights the number of holders reported each type of feed. According to the data, about 9.79 million holders have used green fodder to feed their animals. Significant number of holders (about 8.13 million) in the rural areas of the country also reported that they used to feed crops residue for their animals. Moreover, about 2.87 million, and 0.66 million holders have reported to use hay and by-products, respectively. Quite a number of holders (about 2.8 million) as well reported using other types of feeds while about 37 thousand holders reported to use the improved feed.

Sources of animal feeds were also assessed and most holders used their own holding as a source to all feeds except for grazing. According to the survey result, communal holdings were the major source of green fodder for the majority of the holders during the reference period. Considerable number of holders has also purchased different types of feed to nourish their animals (see Summary Table III.11).

SUMMARY TABLE III.11 Estimated Number of Holders Reporting Animal Feed by Source and Type of Feed for the Country

Source of Feed	Green fodder/ Grazing	Crops Residue	Improved Feed	Hay	By- products	Others
All Sources	9,789,364	8,128,882	37,296	2,874,879	663,408	2,806,338
Own Holding	3,396,590	7,410,416	27,421	1,962,515	368,050	1,942,168
Purchased	179,129	117,959	6,043	424,423	260,511	459,335
Communal Holdings/Government	3,530,821	99,783	1,502	110,557	5,218	100,899
From any Two or More Sources...	2,668,136	491,583	1,421	374,107	27,776	289,401
Other Sources	14,688	9,141	909	3,277	1,853	14,535

**STATISTICAL TABLES PRESENTING
RESULTS AT
ZONE AND REGIONAL LEVEL**

TABLES 3.1–3.28

TABLE 3-1: NUMBER OF LIVESTOCK BY TYPE OF ANIMAL, ZONE, AND REGION

Geographic Area	ALL LIVESTOCK								
	CATTLE	SHEEP	GOATS	HORSES	ASSES	MULES	CAMELS	POULTRY	BEEHIVES
Ethiopia	38,749,310	18,074,721	14,858,646	1,517,585	3,930,227	317,671	458,576	30,868,525	4,546,244
Tigray	2,713,747	726,394	2,089,697	1,200	386,601	9,190	32,651	3,180,235	204,803
North West Tigray	742,479	74,450	689,672	-	65,516	*	3,784	741,796	30,718
Central Tigray	600,741	143,106	718,001	-	94,810	*	7,067	920,315	57,427
Eastern Tigray	295,556	325,784	146,697	*	68,247	1,535	*	400,525	30,584
Southern Tigray	682,083	163,692	293,836	*	129,324	5,573	18,182	731,976	58,634
Western Tigray	392,887	19,363	241,492	*	28,705	697	*	385,623	27,439
Afar	327,373	196,385	483,779	-	12,269	195	99,833	38,315	8,104
Zone 1	149,169	91,819	196,725	-	2,008	-	*	504	*
Zone 3	178,204	104,566	287,055	-	10,261	195	60,347	37,812	637
Amhara	9,694,803	6,390,779	4,101,770	257,320	1,400,032	88,996	14,266	8,442,238	919,449
North Gonder	1,641,849	416,860	835,132	41,757	174,215	12,106	*	1,767,549	188,570
South Gonder	1,152,423	645,036	457,200	21,233	164,856	15,199	-	895,859	146,324
North Wolo	856,705	585,981	541,789	*	160,172	12,893	1,986	1,010,275	68,840
South Wolo	1,409,404	1,724,513	781,797	32,276	265,043	16,711	*	1,412,039	133,802
North Shewa	1,000,744	1,131,509	551,251	38,500	230,772	11,775	*	1,092,973	49,161
East Gojam	1,144,427	953,080	204,540	49,421	161,089	*	-	535,450	58,454
West Gojam	1,378,604	532,075	258,742	9,306	139,668	7,283	-	911,939	157,732
Waghamera	260,099	50,912	215,188	-	36,180	2,735	-	222,864	49,237
Awi	573,757	326,197	114,903	50,674	38,286	3,590	-	345,929	54,825
Oromia	276,791	24,616	141,228	-	29,750	*	8,382	247,362	12,506
Oromia	17,214,537	6,905,369	4,849,060	959,706	1,703,911	153,710	139,830	11,637,074	2,513,791
West Wellega	1,082,740	276,668	87,269	*	96,325	8,225	-	1,313,802	476,750
East Wellega	1,249,484	360,421	150,053	37,731	96,555	12,947	-	765,614	183,162
Illubabor	721,014	339,179	78,711	35,019	11,171	6,438	-	674,094	881,586
Jimma	1,741,665	731,248	216,789	86,949	62,002	30,951	*	1,193,801	365,506
West Shewa	1,514,981	793,969	239,662	134,728	102,493	6,675	-	926,698	88,673
North Shewa	1,116,573	873,097	117,976	72,130	146,436	4,841	-	527,863	37,705
East Shewa	1,281,328	313,670	548,239	14,501	274,372	8,687	*	1,047,214	25,585
Arsi	2,340,245	1,507,642	456,978	260,825	266,893	28,731	*	1,324,716	65,906
West Harerghe	756,401	168,955	634,424	*	133,968	2,406	*	811,975	53,911
East Harerghe	887,990	236,192	666,986	*	134,512	-	*	1,040,618	28,581
Bale	1,736,760	684,169	514,257	176,101	173,254	15,437	*	591,280	108,443
Borena	1,087,127	185,548	693,873	*	56,265	5,371	61,677	430,130	40,114
South West Shewa	688,892	164,961	176,243	22,238	100,370	9,254	-	504,175	37,793
Guji	1,009,336	269,649	267,600	110,777	49,294	13,747	*	485,095	120,076

TABLE 3-1 CONT'D

Geographic Area	ALL LIVESTOCK								
	CATTLE	SHEEP	GOATS	HORSES	ASSES	MULES	CAMELS	POULTRY	BEEHIVES
Somale	459,715	463,000	650,973	-	91,547	*	165,264	154,669	5,327
Shinele	18,150	34,345	75,943	-	3,286	18	4,274	6,336	39
Jijiga	297,181	308,000	284,772	-	64,961	-	38,673	109,598	5,225
Liben	144,384	120,656	290,257	-	23,301	*	122,317	38,735	*
Benshangul-Gumuz	307,816	65,794	244,572	*	37,517	1,774	-	732,273	166,130
Metekel	203,853	38,671	90,559	*	16,378	933	-	270,051	91,618
Asosa	63,213	12,670	105,197	-	16,717	*	-	351,713	57,179
Kemeshi	40,750	14,454	48,817	-	4,422	295	-	110,509	17,334
S.N.N.P.R	7,938,489	3,270,198	2,289,973	298,717	278,435	63,463	*	6,586,142	726,962
Gurage	848,998	280,058	113,414	53,884	35,858	5,373	-	462,184	36,943
Hadiya	629,063	215,764	112,689	17,619	41,648	11,263	-	674,286	32,658
Kembata Tembaro	294,679	101,032	44,552	6,132	18,090	2,008	-	272,045	20,487
Sidama	1,450,070	316,405	177,434	65,316	44,733	*	-	981,155	33,866
Gedio	110,010	152,836	13,001	22,983	1,630	3,790	-	262,507	17,823
Wolayita	790,215	157,519	139,401	*	27,491	1,963	-	887,974	18,780
South Omo	602,866	479,589	825,673	8,538	3,591	2,615	-	296,617	66,145
Shaka	74,313	49,641	8,124	3,540	976	270	-	118,327	76,940
Kaffa	536,602	307,463	79,443	43,969	*	8,963	-	510,848	211,835
Gamo Gofa	904,794	477,618	217,492	31,582	10,063	8,918	-	538,993	*
Bench Maji	331,725	160,422	34,450	7,816	-	568	-	482,656	44,775
Yem Sp. Wereda	50,050	23,426	16,174	491	2,460	164	-	25,926	6,065
Amaro Sp. Wereda	89,507	63,445	47,270	4,677	564	1,440	-	59,565	4,195
Burji Sp. Wereda	34,919	1,918	24,787	*	3,310	119	-	23,304	2,562
Konso Sp. Wereda	91,957	75,491	143,172	-	4,791	-	-	84,049	9,471
Derashe Sp. Wereda	66,946	12,542	54,347	*	7,581	310	-	72,567	4,500
Dawro	337,038	100,253	48,414	8,502	2,640	4,160	-	152,647	42,128
Basketo Sp. Wereda	23,055	10,832	3,872	439	*	435	-	33,182	1,435
Konta Sp. Wereda	60,958	17,252	8,347	692	*	707	-	57,573	7,286
Silte	492,878	232,259	118,600	20,176	53,568	6,237	*	462,240	17,516
Alaba Sp. Wereda	117,847	34,434	59,318	1,438	17,685	792	-	127,494	2,804
Harari	31,732	3,438	26,909	-	6,316	-	*	31,426	667
Hundene	31,732	3,438	26,909	-	6,316	-	*	31,426	667
Addis Ababa	20,704	7,089	3,147	380	4,780	267	-	21,417	173
Zone 3	14,528	5,181	2,171	275	2,689	174	-	14,874	105
Zone 6	6,176	1,908	976	105	2,090	93	-	6,544	68
Dire Dawa	40,393	46,275	118,766	-	8,820	*	5,069	44,736	839

TABLE 3-2: NUMBER OF CATTLE BY AGE AND SEX OF ANIMAL, ZONE, ZONE, AND REGION

Geographic Area	CATTLE										
	ALL CATTLE	MALE					FEMALE				
		< 6 Months	6 Mo < 1yr	1yr - <3 yrs	3 - <10 yrs	10 yrs &Over	< 6 Months	6 Mo < 1yr	1yr - <3 yrs	3 - <10 yrs	10 yrs &Over
Ethiopia	38,749,310	1,739,325	1,382,906	2,916,004	10,440,040	644,459	1,827,789	1,520,771	3,636,326	13,974,816	666,876
Tigray	2,713,747	128,769	80,100	188,433	828,380	79,178	137,269	90,444	217,906	906,160	57,107
North West Tigray	742,479	37,515	24,066	56,129	201,016	14,077	38,710	24,291	62,457	268,857	15,360
Central Tigray	600,741	26,123	15,960	39,558	225,000	27,946	23,046	18,222	42,026	170,824	12,037
Eastern Tigray	295,556	13,969	6,116	26,396	96,661	5,555	14,198	8,039	27,890	93,236	3,497
Southern Tigray	682,083	29,533	18,633	41,837	222,070	22,260	34,529	18,855	47,408	235,167	11,792
Western Tigray	392,887	21,629	15,324	24,514	83,633	9,341	26,786	21,038	38,125	138,076	14,421
Afar	327,373	21,730	10,857	10,296	20,555	1,085	42,407	25,758	32,884	157,791	4,010
Zone 1	149,169	8,959	5,147	3,639	6,433	119	19,700	13,108	14,584	76,518	960
Zone 3	178,204	12,771	5,710	6,657	14,122	966	22,707	12,650	18,300	81,273	3,050
Amhara	9,694,803	340,472	274,754	727,612	3,300,892	333,256	355,148	279,203	765,054	3,092,686	225,726
North Gonder	1,641,849	71,266	46,850	129,670	464,554	50,488	72,778	58,400	135,239	557,507	55,097
South Gonder	1,152,423	41,156	33,996	97,403	369,119	62,031	35,495	27,631	86,686	364,890	34,017
North Wolo	856,705	24,558	26,258	70,692	299,316	10,746	34,541	32,096	68,965	281,988	7,546
South Wolo	1,409,404	57,517	43,192	104,690	511,391	17,394	53,901	39,707	105,692	465,689	10,230
North Shewa	1,000,744	25,801	26,613	68,559	420,864	30,938	31,088	26,646	79,558	275,047	15,630
East Gojam	1,144,427	31,449	21,476	85,413	402,904	85,295	34,793	23,797	88,393	329,314	41,593
West Gojam	1,378,604	40,033	36,730	88,548	513,664	51,462	46,493	33,415	110,130	427,668	30,460
Waghamera	260,099	13,398	8,503	19,764	76,330	7,627	13,472	8,441	19,791	87,175	5,598
Awi	573,757	25,724	17,498	44,683	159,972	14,081	22,099	14,554	46,003	209,417	19,727
Oromia	276,791	9,570	13,640	18,190	82,778	3,194	10,489	14,515	24,596	93,992	5,829
Oromia	17,214,537	776,165	650,686	1,340,286	4,617,850	202,636	819,350	719,819	1,686,099	6,148,272	253,373
West Wellega	1,082,740	39,414	44,480	81,755	302,013	7,054	40,711	45,349	104,831	398,435	*
East Wellega	1,249,484	41,270	47,637	91,453	383,078	18,400	43,336	64,742	111,995	432,635	14,939
Illubabor	721,014	25,192	30,747	58,427	213,339	8,606	24,479	38,848	68,866	241,629	10,882
Jimma	1,741,665	61,432	73,644	142,638	517,191	4,675	61,674	66,515	194,951	608,435	10,510
West Shewa	1,514,981	48,004	57,156	131,485	453,671	39,893	57,681	54,881	148,676	496,596	26,937
North Shewa	1,116,573	37,917	40,181	91,029	348,540	16,632	40,874	44,230	113,310	366,273	17,588
East Shewa	1,281,328	60,893	51,197	95,463	391,357	16,624	65,675	50,923	108,878	429,431	10,888
Arsi	2,340,245	125,273	53,195	154,747	716,493	35,751	136,370	59,812	202,310	819,268	37,026
West Harerghe	756,401	51,828	32,105	62,060	184,354	2,697	49,215	31,624	76,032	259,125	7,360
East Harerghe	887,990	55,203	34,584	86,892	139,472	*	52,714	41,310	116,564	343,495	15,431
Bale	1,736,760	82,037	57,909	130,906	391,961	18,948	86,897	69,548	165,625	702,127	30,803
Borena	1,087,127	64,668	64,635	78,710	168,245	5,129	74,168	75,470	104,652	428,923	22,527
South West Shewa	688,892	16,662	20,111	63,178	236,226	22,544	18,123	25,211	60,750	209,895	16,191
Guji	1,009,336	66,372	43,108	71,543	171,911	3,360	67,433	51,356	108,658	412,006	13,589

TABLE 3-2 CONT'D

Geographic Area	CATTLE										
	ALL CATTLE	MALE					FEMALE				
		< 6 Months	6 Mo < 1yr	1yr - <3 yrs	3 - <10 yrs	10 yrs & Over	< 6 Months	6 Mo < 1yr	1yr - <3 yrs	3 - <10 yrs	10 yrs & Over
Somale	459,715	33,487	19,335	29,312	75,158	*	34,969	21,271	38,208	202,658	4,960
Shinele	18,150	1,539	437	1,511	2,120	-	1,681	581	1,817	8,179	284
Jijiga	297,181	24,403	11,034	18,553	57,696	*	23,944	11,946	22,271	124,971	*
Liben	144,384	7,544	7,864	9,247	15,341	*	9,343	8,744	14,120	69,507	2,410
Benshangul-Gumuz	307,816	15,774	13,911	25,536	80,729	1,822	17,684	15,791	26,803	107,600	2,166
Metekel	203,853	10,881	9,492	16,888	50,618	1,576	12,839	10,894	18,503	70,497	1,665
Asosa	63,213	2,880	2,281	5,756	20,780	*	2,952	2,194	4,205	21,873	*
Kemeshi	40,750	2,013	2,138	2,892	9,331	*	1,893	2,702	4,095	15,230	*
S.N.N.P.R	7,938,489	417,143	330,030	586,661	1,499,359	24,360	415,631	364,624	858,517	3,324,176	117,988
Gurage	848,998	37,054	32,096	61,232	111,964	4,589	35,741	34,685	97,848	403,367	30,422
Hadiya	629,063	27,864	19,498	50,874	158,899	1,942	21,888	20,348	61,202	260,288	6,261
Kembata Tembaro	294,679	14,375	12,123	23,831	59,458	2,176	10,598	13,169	29,848	119,718	9,384
Sidama	1,450,070	107,191	69,526	79,709	98,429	*	104,735	77,804	164,791	714,772	32,654
Gedio	110,010	4,358	3,920	12,389	24,115	-	5,751	4,914	9,815	43,097	*
Wolayita	790,215	39,815	27,107	72,994	170,527	*	37,535	36,503	91,204	308,511	4,826
South Omo	602,866	25,148	24,395	45,675	110,303	*	31,737	30,271	67,451	253,859	*
Shaka	74,313	4,088	4,232	5,918	13,309	*	3,220	4,423	7,815	30,751	524
Kaffa	536,602	31,790	25,390	36,982	137,809	*	28,076	26,997	60,110	186,168	2,123
Gamo Gofa	904,794	46,997	47,046	71,375	177,048	*	46,770	44,937	111,955	352,602	5,579
Bench Maji	331,725	20,202	15,137	25,954	64,043	*	20,200	15,024	34,793	134,953	*
Yem Sp. Wereda	50,050	1,232	1,562	3,387	16,874	738	1,463	1,477	3,591	19,134	593
Amaro Sp. Wereda	89,507	4,411	3,369	5,933	21,672	*	5,661	3,900	7,531	36,656	343
Burji Sp. Wereda	34,919	1,100	1,080	1,955	14,883	143	1,227	982	2,486	10,883	181
Konso Sp. Wereda	91,957	2,606	4,514	7,174	29,652	*	4,124	3,641	7,472	31,391	1,115
Derashe Sp. Wereda	66,946	2,687	2,217	4,224	25,892	632	3,235	2,601	4,884	20,132	*
Dawro	337,038	15,018	13,951	27,850	70,176	*	16,200	18,152	37,322	134,017	3,486
Basketo Sp. Wereda	23,055	1,210	1,255	2,131	4,866	*	1,175	1,225	2,174	8,739	146
Konta Sp. Wereda	60,958	2,921	2,857	4,356	15,698	*	3,164	3,359	6,235	21,854	*
Silte	492,878	20,797	14,504	34,766	140,097	5,177	26,604	16,196	41,053	187,682	6,001
Alaba Sp. Wereda	117,847	6,278	4,251	7,955	33,646	*	6,529	4,016	8,937	45,603	421
Harari	31,732	2,047	1,483	2,809	5,102	*	1,973	1,599	3,506	12,533	652
Hundene	31,732	2,047	1,483	2,809	5,102	*	1,973	1,599	3,506	12,533	652
Addis Ababa	20,704	494	507	1,362	7,795	1,734	568	548	1,421	5,908	368
Zone 3	14,528	347	449	1,087	5,344	652	430	392	1,127	4,442	258
Zone 6	6,176	147	58	275	2,451	1,083	137	155	294	1,465	110
Dire Dawa	40,393	3,244	1,241	3,698	4,220	-	2,790	1,715	5,928	17,031	526

TABLE 3-3: NUMBER OF SHEEP BY AGE AND SEX OF ANIMAL, ZONE, AND REGION

Geographic Area	SHEEP								
	ALL SHEEP	MALE				FEMALE			
		< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs & Over	< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs & Over
Ethiopia	18,074,721	2,436,782	725,657	522,437	807,314	2,488,819	1,043,427	1,435,074	8,615,212
Tigray	726,394	66,245	39,354	22,913	44,832	72,450	47,508	61,879	371,214
North West Tigray	74,450	4,634	4,509	4,242	4,671	4,528	5,554	9,872	36,440
Central Tigray	143,106	10,781	7,603	6,160	8,787	15,494	14,192	11,713	68,376
Eastern Tigray	325,784	34,982	14,946	8,256	11,482	35,807	18,413	25,876	176,023
Southern Tigray	163,692	13,753	10,640	3,547	19,105	15,480	7,413	12,639	81,115
Western Tigray	19,363	*	*	*	*	*	*	1,780	*
Afar	196,385	18,169	7,097	7,467	12,999	28,927	19,070	16,755	85,901
Zone 1	91,819	7,866	3,535	4,008	4,561	12,325	10,309	8,990	40,226
Zone 3	104,566	10,303	3,563	3,459	8,438	16,603	8,761	7,765	45,675
Amhara	6,390,779	783,446	227,263	193,806	344,830	770,520	343,455	481,594	3,245,867
North Gondar	416,860	48,649	8,393	5,147	24,274	60,825	25,210	30,010	214,353
South Gondar	645,036	94,839	26,187	13,081	19,647	80,104	29,045	30,454	351,679
North Wolo	585,981	42,949	22,765	18,910	40,803	44,126	35,481	70,802	310,144
South Wolo	1,724,513	190,092	66,558	74,011	143,801	176,085	77,861	126,312	869,793
North Shewa	1,131,509	136,905	49,402	39,084	78,588	153,122	60,518	67,257	546,634
East Gojam	953,080	137,709	17,092	17,478	17,317	130,738	59,927	79,768	493,050
West Gojam	532,075	76,743	21,136	15,860	8,824	71,484	29,462	45,350	263,216
Waghamera	50,912	3,512	2,449	1,964	6,185	3,984	2,883	3,668	26,267
Awi	326,197	47,974	10,159	4,634	3,701	47,797	22,469	27,000	162,463
Oromia	24,616	4,073	3,121	3,636	1,691	2,257	600	972	8,267
Oromia	6,905,369	1,099,320	276,774	158,687	214,295	1,109,708	378,524	508,427	3,159,634
West Wellega	276,668	42,773	9,992	3,323	8,365	43,686	18,193	24,317	126,019
East Wellega	360,421	60,034	15,603	4,765	8,208	55,253	21,447	19,017	176,094
Illubabor	339,179	55,501	12,827	9,543	6,707	49,751	18,608	30,603	155,638
Jimma	731,248	102,004	35,816	20,828	9,845	113,832	35,480	51,770	361,673
West Shewa	793,969	143,189	19,880	8,137	17,000	143,536	34,618	67,081	360,529
North Shewa	873,097	150,572	22,298	26,032	18,631	148,856	31,745	44,094	430,868
East Shewa	313,670	49,828	13,998	9,609	8,861	44,738	18,636	24,440	143,560
Arsi	1,507,642	253,279	63,448	23,441	54,255	258,329	80,276	89,084	685,530
West Harerghe	168,955	18,457	10,299	6,463	10,587	26,353	15,768	14,842	66,186
East Harerghe	236,192	32,752	10,857	11,843	14,165	27,006	15,666	24,158	99,745
Bale	684,169	102,717	29,937	13,590	*	107,141	47,895	70,547	284,573
Borena	185,548	18,800	8,650	7,945	15,226	25,373	12,128	16,162	81,264
South West Shewa	164,961	30,057	11,708	5,926	3,438	25,162	11,776	13,246	63,649
Guji	269,649	39,357	11,463	7,242	11,239	40,690	16,288	19,064	124,306

TABLE 3-3 CONT'D

Geographic Area	SHEEP								
	ALL SHEEP	MALE				FEMALE			
		< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs & Over	< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs & Over
Somale	463,000	42,724	20,486	22,024	48,673	50,201	32,421	39,405	207,066
Shinele	34,345	3,584	1,073	1,861	2,181	4,040	2,020	3,651	15,935
Jijiga	308,000	30,526	13,992	13,172	34,629	33,944	21,537	20,449	139,752
Liben	120,656	8,615	5,421	*	11,863	12,217	8,864	*	51,379
Benshangul-Gumuz	65,794	10,285	3,398	3,005	3,633	10,151	3,707	5,663	25,952
Metekel	38,671	6,460	1,596	1,853	2,488	5,726	2,503	3,232	14,813
Asosa	12,670	1,561	775	*	*	2,546	449	1,044	5,855
Kemeshi	14,454	2,263	1,027	949	910	1,879	755	1,386	5,284
S.N.N.P.R	3,270,198	410,237	147,773	111,684	134,976	439,306	214,490	315,807	1,495,926
Gurage	280,058	41,398	10,483	5,516	3,628	45,656	14,808	30,310	128,259
Hadiya	215,764	27,438	10,888	4,921	4,404	28,078	14,091	19,573	106,371
Kembata Tembaro	101,032	12,090	6,418	6,179	4,288	12,538	8,392	11,730	39,397
Sidama	316,405	49,663	7,728	9,165	7,490	49,313	19,120	30,475	143,451
Gedio	152,836	24,121	7,105	5,363	5,015	20,712	11,410	12,794	66,317
Wolayita	157,519	20,654	15,998	9,074	6,398	18,093	13,703	19,413	54,185
South Omo	479,589	37,033	30,510	33,822	43,291	40,800	42,542	58,822	192,771
Shaka	49,641	8,113	1,752	1,661	*	7,633	2,735	3,615	22,659
Kaffa	307,463	45,223	8,199	4,433	3,194	50,048	17,046	18,415	160,905
Gamo Gofa	477,618	46,753	14,261	9,773	18,258	56,956	27,224	59,780	244,613
Bench Maji	160,422	21,624	4,634	1,929	1,979	22,852	11,883	10,987	84,534
Yem Sp. Wereda	23,426	3,202	819	447	295	3,657	1,348	1,594	12,063
Amaro Sp. Wereda	63,445	6,648	1,644	2,047	4,930	7,899	3,913	6,521	29,843
Burji Sp. Wereda	1,918	188	70	90	181	132	145	161	952
Konso Sp. Wereda	75,491	5,282	3,469	4,486	15,626	5,945	4,557	5,963	30,164
Derashe Sp. Wereda	12,542	942	545	615	1,964	1,168	*	1,066	5,434
Dawro	100,253	14,883	5,439	4,185	5,354	13,945	6,889	7,561	41,999
Basketo Sp. Wereda	10,832	1,124	322	218	215	1,688	597	1,061	5,607
Konta Sp. Wereda	17,252	2,775	1,778	1,133	1,033	2,111	875	1,152	6,394
Silte	232,259	36,260	14,029	6,019	4,990	43,850	9,769	12,906	104,436
Alaba Sp. Wereda	34,434	4,824	1,683	609	969	6,234	2,637	1,907	15,572
Harari	3,438	307	160	329	385	398	163	319	1,378
Hundene	3,438	307	160	329	385	398	163	319	1,378
Addis Ababa	7,089	1,195	346	253	263	1,161	298	440	3,134
Zone 3	5,181	797	285	214	194	778	227	381	2,305
Zone 6	1,908	398	61	*	69	383	71	59	828
Dire Dawa	46,275	4,855	3,006	2,269	2,428	5,996	3,793	4,786	19,141

TABLE 3-4: NUMBER OF GOATS BY AGE AND SEX OF ANIMAL, ZONE, AND REGION

Geographic Area	GOATS								
	ALL GOATS	MALE				FEMALE			
		< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs &Over	< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs &Over
Ethiopia	14,858,646	1,800,037	778,109	670,043	1,068,407	1,907,139	1,056,291	1,225,013	6,353,608
Tigray	2,089,697	167,870	116,654	96,384	171,346	186,822	160,034	204,114	986,473
North West Tigray	689,672	49,396	31,947	31,306	53,769	62,380	56,671	78,681	325,522
Central Tigray	718,001	50,248	49,938	40,653	65,138	48,656	57,020	67,153	339,196
Eastern Tigray	146,697	12,886	8,734	5,996	11,153	11,304	9,063	9,216	78,344
Southern Tigray	293,836	25,327	12,856	8,834	24,897	33,051	14,492	28,364	146,016
Western Tigray	241,492	30,014	13,179	9,594	16,390	31,431	22,788	20,700	97,395
Afar	483,779	38,191	19,394	15,306	27,000	70,858	45,851	54,642	212,536
Zone 1	196,725	13,791	6,636	4,197	8,119	27,374	22,655	24,289	89,665
Zone 3	287,055	24,401	12,759	11,109	18,881	43,484	23,197	30,353	122,872
Amhara	4,101,770	509,572	204,204	203,309	337,129	515,888	254,581	296,841	1,780,244
North Gonder	835,132	113,157	40,640	38,917	36,440	127,915	62,153	63,871	352,039
South Gonder	457,200	55,410	21,359	21,710	28,193	49,320	27,171	32,794	221,242
North Wolo	541,789	53,325	29,986	24,418	38,983	72,481	33,504	37,353	251,740
South Wolo	781,797	82,936	38,445	41,508	98,345	73,451	36,812	48,449	361,852
North Shewa	551,251	65,163	29,583	42,945	81,251	64,297	34,115	36,934	196,963
East Gojam	204,540	31,129	10,339	8,377	11,946	25,966	17,462	16,904	82,418
West Gojam	258,742	47,109	10,346	6,210	12,649	46,245	12,499	19,512	104,174
Waghamera	215,188	16,517	12,193	8,536	19,476	17,224	16,504	19,750	104,988
Awi	114,903	22,398	4,270	4,064	4,324	17,890	4,264	8,562	49,130
Oromia	141,228	22,429	7,043	6,625	5,522	21,100	10,097	12,712	55,699
Oromia	4,849,060	725,680	260,989	194,692	251,226	724,309	341,570	337,349	2,013,245
West Wellega	87,269	15,876	4,636	2,755	2,309	16,208	7,056	7,568	30,862
East Wellega	150,053	27,590	8,131	3,503	6,740	26,127	11,392	8,965	57,605
Illubabor	78,711	15,748	2,742	3,413	3,119	12,141	4,209	5,077	32,260
Jimma	216,789	37,679	8,519	9,024	8,842	34,863	9,619	13,330	94,911
West Shewa	239,662	37,354	15,882	9,299	9,935	36,744	15,865	19,141	95,442
North Shewa	117,976	19,955	5,661	3,928	5,807	15,462	10,635	5,025	51,503
East Shewa	548,239	93,448	29,484	14,196	20,135	97,568	34,885	29,959	228,564
Arsi	456,978	81,024	20,645	18,465	19,775	71,801	25,250	24,884	195,135
West Harerghe	634,424	93,425	30,422	29,913	29,654	88,696	59,199	45,139	257,975
East Harerghe	666,986	77,035	46,900	34,893	47,908	78,515	47,015	48,828	285,892
Bale	514,257	74,957	31,970	16,164	11,415	76,142	33,216	44,002	226,390
Borena	693,873	83,018	34,217	29,273	49,929	98,874	54,318	56,522	287,722
South West Shewa	176,243	33,325	10,442	7,749	10,531	29,451	10,880	11,044	62,821
Guji	267,600	35,245	11,339	12,117	25,125	41,716	18,030	17,864	106,163

TABLE 3-4 CONT'D

Geographic Area	GOATS								
	ALL GOATS	MALE				FEMALE			
		< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs & Over	< 6 Months	6 Mo < 1yr	1yr - <2 yrs	2 yrs & Over
Somale	650,973	52,382	27,627	35,394	60,463	74,495	48,300	67,772	284,540
Shinele	75,943	8,532	2,970	3,190	3,924	10,803	5,268	7,409	33,848
Jijiga	284,772	28,386	13,699	13,468	25,236	34,760	19,687	21,292	128,244
Liben	290,257	15,464	10,958	*	*	28,932	23,346	*	122,447
Benshangul-Gumuz	244,572	37,905	13,577	10,364	11,386	39,146	16,998	24,626	90,570
Metekel	90,559	16,036	5,441	4,004	3,027	16,208	5,549	7,820	32,475
Asosa	105,197	14,969	5,405	4,023	5,557	15,159	6,970	12,427	40,687
Kemeshi	48,817	6,900	2,732	2,337	2,802	7,780	4,479	4,379	17,408
S.N.N.P.R	2,289,973	251,088	126,574	107,860	203,451	277,312	177,031	223,235	923,421
Gurage	113,414	17,967	6,399	3,073	3,394	18,551	7,292	12,367	44,370
Hadiya	112,689	15,683	3,896	4,491	3,083	18,691	8,848	6,804	51,193
Kembata Tembaro	44,552	5,251	3,045	1,229	*	5,103	3,692	6,059	18,939
Sidama	177,434	23,922	9,880	6,685	11,468	25,501	9,911	13,716	76,351
Gedio	13,001	*	*	*	1,535	1,280	*	*	5,513
Wolayita	139,401	19,707	7,406	4,266	*	20,751	9,064	14,387	60,182
South Omo	825,673	54,026	53,185	56,193	116,990	69,371	74,014	101,990	299,904
Shaka	8,124	1,451	590	321	*	1,267	512	629	3,097
Kaffa	79,443	13,425	1,481	1,025	*	15,939	4,234	6,477	34,938
Gamo Gofa	217,492	26,559	9,530	7,335	17,017	31,296	18,935	16,456	90,363
Bench Maji	34,450	4,938	1,198	1,148	*	4,599	2,637	2,809	16,089
Yem Sp. Wereda	16,174	2,626	779	237	324	2,229	974	1,319	7,687
Amaro Sp. Wereda	47,270	5,626	2,038	1,607	2,654	6,910	2,987	3,541	21,908
Burji Sp. Wereda	24,787	2,948	1,275	851	2,541	2,784	1,586	1,772	11,030
Konso Sp. Wereda	143,172	10,925	8,542	7,876	20,846	11,376	10,931	13,681	58,995
Derashe Sp. Wereda	54,347	5,267	3,195	3,334	6,854	5,405	3,810	3,854	22,628
Dawro	48,414	8,136	3,054	2,209	2,837	5,902	3,961	5,345	16,971
Basketo Sp. Wereda	3,872	429	87	200	336	569	122	*	1,957
Konta Sp. Wereda	8,347	1,562	591	461	*	1,431	359	681	3,126
Silte	118,600	19,709	6,111	2,355	3,687	20,110	8,686	6,792	51,150
Alaba Sp. Wereda	59,318	9,781	3,757	1,162	1,666	8,246	4,097	3,577	27,031
Harari	26,909	3,296	1,739	1,688	1,379	3,370	2,039	2,696	10,701
Hundene	26,909	3,296	1,739	1,688	1,379	3,370	2,039	2,696	10,701
Addis Ababa	3,147	526	184	97	148	630	112	293	1,157
Zone 3	2,171	328	125	88	109	447	68	241	764
Zone 6	976	198	*	*	*	183	*	*	393
Dire Dawa	118,766	13,526	7,166	4,948	4,878	14,310	9,774	13,446	50,720

TABLE 3-5: NUMBER OF HORSES AND ASSES BY AGE AND SEX OF ANIMAL, ZONE, AND REGION

Geographic Area	HORSES AND ASSES									
	ALL HORSES	HORSES				ALL ASSES	ASSES			
		MALE		FEMALE			MALE		FEMALE	
		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more
Ethiopia	1,517,585	170,707	580,163	163,408	603,308	3,930,227	474,177	1,295,951	501,638	1,658,461
Tigray	1,200	-	1,200	-	-	386,601	36,276	169,495	36,636	144,194
North West Tigray	-	-	-	-	-	65,516	7,217	21,542	7,861	28,896
Central Tigray	-	-	-	-	-	94,810	7,218	38,112	9,054	40,426
Eastern Tigray	*	-	*	-	-	68,247	6,528	29,707	6,610	25,401
Southern Tigray	*	-	*	-	-	129,324	14,223	58,152	11,413	45,536
Western Tigray	*	-	*	-	-	28,705	1,090	21,982	1,698	3,935
Afar	-	-	-	-	-	12,269	1,231	3,307	1,448	6,283
Zone 1	-	-	-	-	-	2,008	310	376	240	1,081
Zone 3	-	-	-	-	-	10,261	921	2,930	1,208	5,202
Amhara	257,320	24,728	94,403	25,558	112,632	1,400,032	198,056	347,793	217,901	636,283
North Gonder	41,757	3,330	19,085	5,641	13,701	174,215	23,999	48,652	25,701	75,864
South Gonder	21,233	*	5,791	*	11,416	164,856	24,271	31,019	25,696	83,869
North Wolo	*	*	*	*	*	160,172	21,662	39,080	26,679	72,750
South Wolo	32,276	*	8,187	4,020	17,506	265,043	39,520	72,011	38,095	115,417
North Shewa	38,500	4,991	*	4,147	24,519	230,772	29,414	69,533	35,141	96,683
East Gojam	49,421	7,608	18,850	4,868	18,096	161,089	25,198	33,976	24,704	77,213
West Gojam	9,306	*	4,561	*	*	139,668	19,776	25,647	26,760	67,484
Waghamera	-	-	-	-	-	36,180	3,857	12,383	3,218	16,722
Awi	50,674	3,278	27,165	2,928	17,303	38,286	6,612	8,834	7,210	15,631
Oromia	-	-	-	-	-	29,750	3,746	6,658	4,698	14,649
Oromia	959,706	118,266	370,173	106,227	365,039	1,703,911	196,344	602,012	209,835	695,721
West Wellega	*	*	*	*	*	96,325	15,003	30,642	10,324	40,356
East Wellega	37,731	4,512	*	3,193	16,132	96,555	10,587	33,706	14,831	37,432
Illubabor	35,019	5,345	8,954	2,970	17,750	11,171	*	3,704	1,567	4,769
Jimma	86,949	14,259	20,858	10,532	41,299	62,002	10,245	22,278	7,101	22,378
West Shewa	134,728	21,582	56,959	14,148	42,039	102,493	14,849	28,027	15,602	44,015
North Shewa	72,130	11,987	18,861	9,775	31,507	146,436	19,971	37,497	23,355	65,613
East Shewa	14,501	*	11,033	*	2,003	274,372	33,290	93,388	30,405	117,289
Arsi	260,825	24,602	102,205	30,766	103,251	266,893	29,187	88,480	33,506	115,720
West Harerghe	*	*	-	-	*	133,968	6,834	51,277	19,562	56,296
East Harerghe	*	-	-	-	*	134,512	12,453	73,520	11,731	36,808
Bale	176,101	20,388	74,913	21,858	58,942	173,254	21,729	60,603	17,478	73,443
Borena	*	*	*	-	*	56,265	4,969	20,687	5,537	25,072
South West Shewa	22,238	2,545	13,716	1,578	4,399	100,370	10,423	37,435	14,260	38,251
Guji	110,777	11,041	46,350	10,426	42,960	49,294	5,670	20,770	4,575	18,279

TABLE 3-5 CONT'D

Geographic Area	HORSES AND ASSES									
	ALL HORSES	HORSES				ALL ASSES	ASSES			
		MALE		FEMALE			MALE		FEMALE	
		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more		< 3 Years	3 Yrs & more	< 3 Years	3 Yrs & more
Somale	-	-	-	-	-	91,547	12,246	36,427	6,987	35,888
Shinele	-	-	-	-	-	3,286	526	1,023	379	1,358
Jijiga	-	-	-	-	-	64,961	8,989	26,227	4,411	25,334
Liben	-	-	-	-	-	23,301	2,730	9,178	2,198	9,195
Benshangul-Gumuz	*	*	-	-	*	37,517	3,324	22,492	3,180	8,521
Metekel	*	*	-	-	*	16,378	676	13,141	760	1,801
Asosa	-	-	-	-	-	16,717	2,379	6,135	2,187	6,016
Kemeshi	-	-	-	-	-	4,422	269	3,216	233	705
S.N.N.P.R	298,717	27,599	114,083	31,601	125,435	278,435	25,028	104,921	23,708	124,777
Gurage	53,884	4,950	11,092	6,924	30,919	35,858	2,945	16,894	2,813	13,205
Hadiya	17,619	1,840	7,293	*	7,082	41,648	5,061	7,044	4,747	24796
Kembata Tembaro	6,132	*	3,178	*	1,882	18,090	1,638	13,108	*	2,943
Sidama	65,316	6,023	27,161	6,402	25,731	44,733	*	20,899	*	19,306
Gedio	22,983	986	15,438	1,072	5,488	1,630	-	1,630	-	-
Wolayita	*	-	*	-	-	27,491	4,009	14,452	**	-
South Omo	8,538	979	3,096	836	3,627	3,591	620	1,117	*	1,504
Shaka	3,540	*	2,299	*	565	976	-	976	-	-
Kaffa	43,969	4,972	18,355	4,721	15,921	*	-	*	-	*
Gamo Gofa	31,582	2,358	10,519	4,970	13,735	10,063	*	4,746	*	4130
Bench Maji	7,816	1,305	1,872	*	4,362	-	-	-	-	-
Yem Sp. Wereda	491	*	*	*	311	2,460	359	690	346	1,066
Amaro Sp. Wereda	4,677	384	1,698	597	1,999	564	*	299	*	*
Burji Sp. Wereda	*	-	-	-	*	3,310	272	1,349	449	1,240
Konso Sp. Wereda	-	-	-	-	-	4,791	805	1,679	420	1,887
Derashe Sp. Wereda	*	-	*	-	-	7,581	296	4,961	369	1,956
Dawro	8,502	*	2,624	1,129	4,374	2,640	*	1,593	*	*
Basketo Sp. Wereda	439	*	297	*	*	*	-	*	-	-
Konta Sp. Wereda	692	*	359	*	225	*	-	*	-	-
Silte	20,176	2,330	7,413	2,159	8,275	53,568	4,696	11,088	5,917	31,868
Alaba Sp. Wereda	1,438	*	416	*	862	17,685	1,880	980	2,480	12,345
Harari	-	-	-	-	-	6,316	484	3,040	393	2,399
Hundene	-	-	-	-	-	6,316	484	3,040	393	2,399
Addis Ababa	380	*	304	22	27	4,780	244	3,645	166	724
Zone 3	275	*	200	22	27	2,689	43	2,516	39	91
Zone 6	105	-	105	-	-	2,090	201	1,130	127	633
Dire Dawa	-	-	-	-	-	8,820	943	2,821	1,384	3,671

TABLE 3-6: NUMBER OF MULES AND CAMELS BY AGE AND SEX OF ANIMAL, ZONE, AND REGION

Geographic Area	MULES					CAMELS				
	All Mules	MALE		FEMALE		All Camels	MALE		FEMALE	
		< 3 Years	3 Years and Older	< 3 Years	3 Years and Older		< 4 Years	4 Years and Older	< 4 Years	4 Years and Older
Ethiopia	317,671	28,050	123,656	28,879	137,086	458,576	56,326	110,270	81,222	210,758
Tigray	9,190	*	2,035	-	6,706	32,651	*	27,238	*	-
North West Tigray	*	-	-	-	*	3,784	*	3,440	-	-
Central Tigray	*	-	*	-	*	7,067	-	7,067	-	-
Eastern Tigray	1,535	*	*	-	1,103	*	-	*	-	-
Southern Tigray	5,573	*	989	-	4,364	18,182	*	13,113	*	-
Western Tigray	697	*	508	-	*	*	-	*	-	-
Afar	195	-	*	-	90	99,833	8,978	14,061	18,508	58,286
Zone 1	-	-	-	-	-	*	*	6,878	*	*
Zone 3	195	-	*	-	90	60,347	5,635	7,183	11,455	36,075
Amhara	88,996	9,837	31,606	13,135	34,418	14,266	3,485	10,578	-	*
North Gonder	12,106	*	6,666	*	4,590	*	-	*	-	-
South Gonder	15,199	*	5,776	1,465	6,474	-	-	-	-	-
North Wolo	12,893	*	3,768	2,567	5,919	1,986	*	*	-	-
South Wolo	16,711	1,649	3,358	3,718	7,984	*	*	*	-	-
North Shewa	11,775	3,641	2,972	1,904	3,259	*	-	*	-	-
East Gojam	*	*	*	*	*	-	-	-	-	-
West Gojam	7,283	*	2,437	2,146	1,999	-	-	-	-	-
Waghamera	2,735	*	1,075	-	1,549	-	-	-	-	-
Awi	3,590	*	2,261	*	*	-	-	-	-	-
Oromia	*	-	*	-	*	8,382	2,797	5,382	-	*
Oromia	153,710	12,988	57,679	12,126	70,917	139,830	23,918	18,048	30,779	67,085
West Wellega	8,225	-	3,205	*	4,411	-	-	-	-	-
East Wellega	12,947	1,462	4,939	*	5,986	-	-	-	-	-
Illubabor	6,438	*	2,808	*	2,967	-	-	-	-	-
Jimma	30,951	*	6,810	4,110	17,092	*	*	*	-	-
West Shewa	6,675	*	3,038	*	1,897	-	-	-	-	-
North Shewa	4,841	*	*	*	3,208	-	-	-	-	-
East Shewa	8,687	*	6,495	*	*	*	*	-	*	*
Arsi	28,731	3,631	12,630	2,168	10,302	*	*	-	*	*
West Harerghe	2,406	*	-	*	1,571	*	*	*	*	*
East Harerghe	-	-	-	-	-	*	-	*	*	*
Bale	15,437	*	7,234	*	7,566	*	*	2,395	2,659	*
Borena	5,371	-	2,366	-	3,005	61,677	11,916	9,801	12,055	27,905
South West Shewa	9,254	741	2,929	*	4,984	-	-	-	-	-
Guji	13,747	*	4,684	1,082	6,987	*	*	*	*	*

TABLE 3-6 CONT'D

Geographic Area	MULES					CAMELS				
	All Mules	MALE		FEMALE		All Camels	MALE		FEMALE	
		< 3 Years	3 Years and Older	< 3 Years	3 Years and Older		< 4 Years	4 Years and Older	< 4 Years	4 Years and Older
Somale	*	-	*	-	*	165,264	17,024	38,113	27,472	82,655
Shinele	18	-	9	-	*	4,274	546	1,574	422	1,733
Jijiga	-	-	-	-	-	38,673	4,585	14,945	3,663	15,480
Liben	*	-	*	-	-	122,317	11,893	21,594	*	65,442
Benshangul-Gumuz	1,774	*	435	*	1,176	-	-	-	-	-
Metekel	933	*	*	-	616	-	-	-	-	-
Asosa	*	-	*	-	*	-	-	-	-	-
Kemeshi	295	-	114	*	*	-	-	-	-	-
S.N.N.P.R	63,463	4,630	31,537	3,586	23,710	*	*	-	-	-
Gurage	5,373	*	*	*	2,649	-	-	-	-	-
Hadiya	11,263	*	6,857	*	3,183	-	-	-	-	-
Kembata Tembaro	2,008	-	916	-	1,092	-	-	-	-	-
Sidama	*	*	*	-	*	-	-	-	-	-
Gedio	3,790	*	2,017	*	1,464	-	-	-	-	-
Wolayita	1,963	-	1,128	*	*	-	-	-	-	-
South Omo	2,615	-	1,311	*	1,163	-	-	-	-	-
Shaka	270	-	*	-	*	-	-	-	-	-
Kaffa	8,963	*	5,575	*	2,815	-	-	-	-	-
Gamo Gofa	8,918	*	3,933	*	3,523	-	-	-	-	-
Bench Maji	568	-	*	-	*	-	-	-	-	-
Yem Sp. Wereda	164	-	*	*	114	-	-	-	-	-
Amaro Sp. Wereda	1,440	*	772	185	336	-	-	-	-	-
Burji Sp. Wereda	119	-	*	-	*	-	-	-	-	-
Konso Sp. Wereda	-	-	-	-	-	-	-	-	-	-
Derashe Sp. Wereda	310	-	*	-	*	-	-	-	-	-
Dawro	4,160	773	1,782	*	1,399	-	-	-	-	-
Basketo Sp. Wereda	435	-	255	-	180	-	-	-	-	-
Konta Sp. Wereda	707	107	449	-	*	-	-	-	-	-
Silte	6,237	818	2,970	*	2,065	*	*	-	-	-
Alaba Sp. Wereda	792	-	*	*	486	-	-	-	-	-
Harari	-	-	-	-	-	*	*	*	*	*
Hundene	-	-	-	-	-	*	*	*	*	*
Addis Ababa	267	*	192	-	61	-	-	-	-	-
Zone 3	174	*	99	-	61	-	-	-	-	-
Zone 6	93	-	93	-	-	-	-	-	-	-
Dire Dawa	*	-	*	-	-	5,069	816	2,027	501	1,727

TABLE 3-7: CATTLE AGED 3 – 10 YEARS BY SEX, PURPOSE, ZONE, AND REGION

Geographic Area	CATTLE AGED 3 – 10 YEARS									
	Total	MALE				FEMALE				
		Draught	Beef	Breeding	Other	Milk	Draught	Beef	Breeding	Other
Ethiopia	24,414,856	9,584,461	211,203	303,102	341,274	5,896,408	114,158	56,369	6,972,799	935,082
Tigray	1,734,540	793,749	2,250	24,108	8,273	73,119	6,636	2,594	807,079	16,732
North West Tigray	469,873	192,558	*	7,142	*	*	-	*	250,026	*
Central Tigray	395,824	217,381	*	3,844	3,546	*	2,228	*	156,200	*
Eastern Tigray	189,897	93,249	*	2,503	*	11,359	1,183	*	79,298	*
Southern Tigray	457,237	212,302	-	*	3,211	13,168	2,097	-	211,740	8,161
Western Tigray	221,709	78,260	*	4,061	*	25,913	*	622	109,815	*
Afar	178,346	9,124	622	9,912	898	87,592	616	*	67,110	1,807
Zone 1	82,952	2,801	*	3,522	*	44,771	*	-	30,266	1,453
Zone 3	95,394	6,323	528	6,389	881	42,821	588	*	36,843	354
Amhara	6,393,578	3,161,060	31,395	36,664	71,774	527,545	64,135	12,487	2,284,324	204,196
North Gonder	1,022,061	435,988	5,124	10,316	13,126	131,526	*	3,068	387,063	34,040
South Gonder	734,010	357,684	*	6,414	4,299	126,355	11,951	-	213,817	12,767
North Wolo	581,304	297,515	-	1,496	*	71,086	9,356	*	186,917	13,424
South Wolo	977,080	502,093	*	5,189	3,372	81,926	14,990	-	352,720	16,052
North Shewa	695,911	393,927	*	3,285	15,915	24,676	*	*	215,820	31,268
East Gojam	732,218	384,319	7,605	3,020	7,960	21,930	7,451	1,847	272,359	25,726
West Gojam	941,332	489,603	4,477	4,169	15,415	31,979	11,048	3,133	336,863	44,644
Waghamera	163,504	74,462	*	1,514	*	6,075	1,265	-	76,590	3,245
Awi	369,389	145,990	2,737	1,262	9,984	5,737	5,054	*	178,867	18,856
Oromia	176,770	79,480	2,073	-	1,226	26,256	*	*	63,307	4,173
Oromia	10,766,123	4,194,115	122,917	144,852	155,965	2,610,491	37,154	24,638	3,098,423	377,567
West Wellega	700,447	280,490	*	10,139	10,059	124,151	3,786	*	247,839	22,340
East Wellega	815,713	366,212	*	7,690	8,024	119,046	6,648	-	291,344	15,597
Illubabor	454,968	203,154	*	3,165	5,789	92,590	*	-	136,238	12,363
Jimma	1,125,626	501,288	5,323	*	8,022	118,919	*	*	444,962	42,108
West Shewa	950,266	417,532	13,520	9,572	13,047	232,772	*	*	239,654	21,796
North Shewa	714,813	323,397	7,578	*	13,464	136,061	*	*	210,896	14,346
East Shewa	820,788	378,444	2,972	3,949	*	201,533	*	-	198,318	27,651
Arsi	1,535,761	642,996	23,403	10,744	39,350	372,770	13,313	6,121	353,231	73,833
West Harerghe	443,480	160,821	16,296	*	3,996	109,835	*	*	128,349	19,642
East Harerghe	482,966	114,233	16,166	6,245	2,827	178,640	*	3,295	148,617	11,478
Bale	1,094,088	339,828	12,008	8,390	31,735	478,709	*	2,368	130,201	90,531
Borena	597,168	117,174	7,955	39,810	3,306	101,680	*	2,609	314,918	*
South West Shewa	446,121	220,716	3,899	3,198	8,413	121,462	*	*	76,224	11,674
Guji	583,917	127,830	10,091	32,050	1,940	222,322	*	4,847	177,631	*

TABLE 3-7 CONT'D

Geographic Area	CATTLE AGED 3 – 10 YEARS									
	Total	MALE				FEMALE				
		Draught	Beef	Breeding	Other	Milk	Draught	Beef	Breeding	Other
Somale	277,816	60,859	1,828	11,747	*	84,588	*	*	115,446	2,036
Shinele	10,299	1,277	480	354	*	4,949	17	18	2,272	924
Jijiga	182,668	54,029	1,019	2,649	-	58,992	-	-	65,483	*
Liben	84,849	5,553	*	8,745	*	20,648	*	*	47,692	*
Benshangul-Gumuz	188,329	72,261	*	*	3,173	35,996	1,876	368	65,493	3,866
Metekel	121,115	46,341	*	955	3,029	17,861	*	*	48,686	3,442
Asosa	42,652	17,956	-	*	-	9,845	1,370	*	10,500	*
Kemeshi	24,562	7,963	*	*	*	8,290	*	*	6,306	*
S.N.N.P.R	4,823,535	1,278,086	50,572	70,767	99,934	2,455,341	3,429	15,119	525,888	324,400
Gurage	515,331	90,308	1,424	2,497	17,735	270,796	-	1,931	41,600	89,040
Hadiya	419,187	138,249	*	*	18,028	164,477	*	*	45,897	48,978
Kembata Tembaro	179,176	52,813	*	802	5,182	85,010	*	*	*	28,684
Sidama	813,201	73,405	10,608	9,543	4,873	597,193	*	*	84,117	31,239
Gedio	67,212	2,231	18,682	3,202	-	21,924	-	5,697	15,376	*
Wolayita	479,037	147,945	*	5,385	15,273	264,609	-	1,660	10,664	31,578
South Omo	364,162	69,509	*	*	6,200	144,123	*	-	103,151	*
Shaka	44,060	12,442	*	*	*	23,205	*	*	5,567	*
Kaffa	323,978	135,745	1,683	*	*	141,284	*	*	42,702	1,599
Gamo Gofa	529,651	163,721	*	6,547	4,831	274,905	*	*	53,324	22,901
Bench Maji	198,996	63,613	*	*	*	106,387	*	-	25,164	3,309
Yem Sp. Wereda	36,008	15,224	*	*	969	8,681	116	*	7,747	2,546
Amaro Sp. Wereda	58,328	20,653	367	471	*	14,286	*	*	21,584	606
Burji Sp. Wereda	25,766	13,670	161	976	75	5,795	*	-	4,926	*
Konso Sp. Wereda	61,042	23,132	2,566	3,120	*	18,706	*	*	11,368	*
Derashe Sp. Wereda	46,024	22,206	589	1,379	1,718	12,689	*	-	6,096	1,309
Dawro	204,193	59,387	*	2,990	6,568	107,179	-	998	14,889	10,952
Basketo Sp. Wereda	13,605	4,197	*	196	423	6,840	*	*	947	858
Konta Sp. Wereda	37,551	15,168	*	198	222	19,518	-	-	1,089	1,247
Silte	327,779	124,031	*	*	13,917	135,114	*	*	20,468	31,150
Alaba Sp. Wereda	79,249	30,436	-	824	2,386	32,619	*	-	4,142	8,744
Harari	17,635	4,298	593	*	*	6,703	-	-	4,654	1,176
Hundene	17,635	4,298	593	*	*	6,703	-	-	4,654	1,176
Addis Ababa	13,703	7,284	164	*	317	1,072	*	*	3,893	855
Zone 3	9,786	4,996	118	*	199	522	*	*	3,176	655
Zone 6	3,916	2,287	46	-	118	549	-	-	716	200
Dire Dawa	21,251	3,626	310	*	*	13,962	*	*	490	2,447

TABLE 3-8: SHEEP AGED 2 YEARS AND OLDER BY SEX, PURPOSE, ZONE, AND REGION

Geographic Area	SHEEP AGED 2 YEARS AND OLDER								
	Total	MALE				FEMALE			
		Mutton/Meat	Wool	Breeding	Other	Mutton/Meat	Wool	Breeding	Other
Ethiopia	9,422,526	334,695	2,821	421,578	48,220	36,499	44,937	8,487,728	46,049
Tigray	416,045	6,299	*	36,652	*	1,748	3,109	364,489	1,869
North West Tigray	41,111	*	-	4,305	-	-	144	35,375	921
Central Tigray	77,163	*	*	6,842	-	714	2,262	65,400	-
Eastern Tigray	187,505	*	-	10,472	*	799	143	174,322	758
Southern Tigray	100,221	3,457	-	14,724	*	-	559	80,367	190
Western Tigray	*	*	-	*	-	234	-	9,026	-
Afar	98,900	1,936	*	10,661	191	1,778	917	82,198	1,009
Zone 1	44,787	654	-	3,772	135	178	383	39,426	238
Zone 3	54,113	1,282	*	6,890	*	1,600	533	42,771	771
Amhara	3,590,697	152,720	*	162,436	29,237	11,704	17,994	3,191,282	24,886
North Gondar	238,627	8,621	-	13,923	1,730	449	1,157	211,212	1,535
South Gondar	371,326	5,958	-	10,838	2,851	369	2,351	347,774	1,185
North Wolo	350,947	5,202	-	33,515	*	3,638	918	293,894	11,693
South Wolo	1,013,594	74,795	-	60,683	8,323	2,252	2,763	860,589	4,189
North Shewa	625,222	39,917	*	26,276	12,069	3,565	8,168	533,277	1,625
East Gojam	510,367	9,466	-	7,851	-	1,013	648	491,389	-
West Gojam	272,040	5,279	-	3,196	*	-	724	259,664	2,829
Waghamera	32,451	1,137	*	4,567	371	52	204	25,914	97
Awi	166,164	1,888	-	*	*	365	1,061	159,474	1,563
Oromia	9,958	*	-	698	535	-	-	8,096	172
Oromia	3,373,929	102,114	*	103,636	7,886	11,977	18,362	3,118,630	10,666
West Wellega	134,384	*	-	7,390	*	-	1,754	123,287	978
East Wellega	184,302	3,736	-	4,196	*	-	1,388	174,706	-
Illubabor	162,345	3,694	-	2,593	*	219	1,432	153,987	-
Jimma	371,518	*	-	7,119	*	1,944	499	356,587	2,643
West Shewa	377,528	11,362	-	5,638	-	404	2,398	357,400	326
North Shewa	449,499	12,705	-	4,600	*	288	3,708	424,962	1,910
East Shewa	152,421	*	-	7,960	-	-	572	142,651	337
Arsi	739,785	27,579	-	*	*	8,118	2,389	674,559	465
West Harerghe	76,774	4,394	-	*	*	279	-	65,908	-
East Harerghe	113,910	8,900	*	4,328	*	-	1,513	97,865	366
Bale	312,342	*	-	7,527	*	-	1,264	282,065	1,244
Borena	96,490	3,444	*	11,263	*	351	285	79,600	1,028
South West Shewa	67,086	1,619	-	1,819	-	173	-	62,529	947
Guji	135,545	1,697	*	9,152	*	201	1,160	122,523	423

TABLE 3-8 CONT'D

Geographic Area	SHEEP AGED 2 YEARS AND OLDER								
	Total	MALE				FEMALE			
		Mutton/Meat	Wool	Breeding	Other	Mutton/Meat	Wool	Breeding	Other
Somale	255,739	17,503	*	30,115	*	1,741	446	203,558	1,322
Shinele	18,116	1,048	13	1,120	-	235	24	15,676	-
Jijiga	174,381	15,194	*	19,275	-	-	145	139,498	109
Liben	63,243	*	*	9,720	*	1,506	276	48,384	1,213
Benshangul-Gumuz	29,585	942	-	2,006	*	-	-	25,841	111
Metekel	17,301	638	-	1,165	*	-	-	14,702	111
Asosa	6,091	-	-	*	-	-	-	5,855	-
Kemeshi	6,194	*	-	606	-	-	-	5,284	-
S.N.N.P.R	1,630,901	51,971	*	74,391	8,237	7,489	4,085	1,478,165	6,187
Gurage	131,887	1,353	-	*	*	249	-	128,011	-
Hadiya	110,775	*	-	2,316	*	426	-	105,268	677
Kembata Tembaro	43,686	3,624	-	664	-	420	-	38,977	-
Sidama	150,941	3,652	-	3,839	-	-	902	142,549	-
Gedio	71,331	3,047	-	1,968	-	867	463	64,800	187
Wolayita	60,583	4,060	-	2,338	-	1,655	-	52,530	-
South Omo	236,061	10,781	*	31,935	*	576	892	191,303	-
Shaka	24,133	*	-	*	*	-	-	22,255	404
Kaffa	164,099	2,599	-	*	-	196	173	159,949	588
Gamo Gofa	262,871	3,513	-	11,985	2,760	2,199	570	240,171	1,674
Bench Maji	86,514	*	-	1,708	-	-	-	84,192	342
Yem Sp. Wereda	12,358	*	-	271	-	-	54	12,009	-
Amaro Sp. Wereda	34,773	2,482	-	2,406	*	223	197	29,422	-
Burji Sp. Wereda	1,133	*	-	162	-	-	-	952	-
Konso Sp. Wereda	45,790	7,631	*	7,403	*	183	488	29,492	-
Derashe Sp. Wereda	7,398	658	-	1,272	*	-	29	5,405	-
Dawro	47,353	3,163	-	1,804	*	309	174	41,516	-
Basketo Sp. Wereda	5,822	125	-	*	*	-	-	5,607	-
Konta Sp. Wereda	7,428	*	-	558	*	-	24	6,343	27
Silte	109,426	2,253	-	*	*	187	-	102,016	2,233
Alaba Sp. Wereda	16,540	719	-	*	*	-	119	15,398	55
Harari	1,763	153	*	*	*	-	-	1,378	-
Hundene	1,763	153	*	*	*	-	-	1,378	-
Addis Ababa	3,396	185	-	68	*	63	-	3,071	-
Zone 3	2,499	141	-	43	*	63	-	2,243	-
Zone 6	897	*	-	*	-	-	-	828	-
Dire Dawa	21,569	872	-	*	*	-	25	19,116	-

TABLE 3-9: GOATS AGED 2 YEARS AND OLDER BY SEX, PURPOSE, ZONE, AND REGION

Geographic Area	GOATS AGED 2 YEARS AND OLDER							
	Total	MALE			FEMALE			
		Meat	Breeding	Other	Meat	Milk	Breeding	Other
Ethiopia	7,422,015	417,126	603,347	47,934	508,937	42,654	5,776,223	25,794
Tigray	1,157,819	27,987	135,625	7,735	3,974	2,224	973,635	*
North West Tigray	379,291	12,183	39,878	1,707	*	1,385	317,476	*
Central Tigray	404,334	6,366	54,795	*	*	*	337,917	*
Eastern Tigray	89,497	*	8,350	*	*	-	76,925	*
Southern Tigray	170,912	3,666	21,231	-	*	*	145,277	*
Western Tigray	113,785	4,676	11,371	*	*	*	96,040	*
Afar	239,536	5,663	20,920	417	82,988	2,492	127,024	*
Zone 1	97,783	549	7,451	*	35,910	*	53,669	*
Zone 3	141,753	5,114	13,469	298	47,078	2,439	73,355	-
Amhara	2,117,374	181,178	133,428	22,524	*	17,998	1,733,634	9,477
North Gondar	388,479	14,202	19,128	*	*	*	329,237	*
South Gondar	249,436	16,898	8,199	*	*	*	219,260	-
North Wolo	290,723	23,126	14,921	*	*	*	247,239	*
South Wolo	460,197	36,179	54,309	7,857	*	-	356,023	*
North Shewa	278,213	59,427	15,721	*	-	*	193,930	*
East Gojam	94,364	*	*	-	-	*	81,431	-
West Gojam	116,823	10,032	*	*	*	*	100,553	-
Waghamera	124,464	4,386	14,708	382	*	*	102,934	*
Awi	53,454	2,449	1,680	*	-	*	47,756	-
Oromia	61,221	3,700	1,332	*	*	*	55,271	*
Oromia	2,264,471	112,723	130,203	8,300	229,018	11,715	1,767,014	5,498
West Wellega	33,171	-	2,309	-	-	-	30,040	*
East Wellega	64,345	4,432	2,308	-	*	-	56,450	-
Illubabor	35,380	*	*	*	-	-	32,260	-
Jimma	103,754	2,979	*	-	-	*	94,439	-
West Shewa	105,377	6,919	*	*	*	*	92,726	*
North Shewa	57,310	5,033	*	-	-	-	51,503	-
East Shewa	248,699	*	15,111	*	*	*	196,614	-
Arsi	214,910	11,658	5,198	*	8,246	*	184,554	*
West Harerghe	287,629	17,369	10,764	*	26,294	*	230,996	-
East Harerghe	333,800	26,833	*	*	10,737	2,334	272,452	*
Bale	237,805	4,690	*	-	117,483	*	106,866	*
Borena	337,651	12,189	36,750	*	19,179	*	264,069	*
South West Shewa	73,352	7,480	2,866	*	-	-	62,821	-
Guji	131,288	*	17,053	*	14,939	-	91,224	-

TABLE 3-9 CONT'D

Geographic Area	GOATS AGED 2 YEARS AND OLDER							
	Total	MALE			FEMALE			
		Meat	Breeding	Other	Meat	Milk	Breeding	Other
Somale	345,002	18,657	40,088	*	39,261	*	241,096	*
Shinele	37,772	1,874	2,050	-	5,095	140	28,612	-
Jijiga	153,481	8,662	16,574	-	*	*	120,327	-
Liben	153,750	*	21,463	*	26,482	*	92,158	*
Benshangul-Gumuz	101,956	3,493	6,890	*	*	*	88,742	936
Metekel	35,502	*	1,741	477	*	-	32,026	*
Asosa	46,244	*	3,241	*	*	*	39,532	*
Kemeshi	20,209	866	1,909	*	-	*	17,184	*
S.N.N.P.R	1,126,872	63,678	133,580	6,193	129,466	3,456	787,387	3,111
Gurage	47,764	1,953	*	*	*	-	39,387	-
Hadiya	54,276	*	*	*	6,163	-	44,546	*
Kembata Tembaro	20,173	*	*	-	2,291	*	16,383	*
Sidama	87,819	3,786	7,683	-	20,686	-	55,665	-
Gedio	7,047	1,341	*	-	*	*	4,971	-
Wolayita	63,821	-	*	-	*	-	58,147	-
South Omo	416,894	*	82,244	*	73,645	*	224,539	-
Shaka	3,353	*	*	*	-	-	3,053	*
Kaffa	36,862	*	*	*	*	*	34,373	-
Gamo Gofa	107,380	4,552	*	*	*	*	83,512	*
Bench Maji	17,121	*	*	*	-	-	15,993	*
Yem Sp. Wereda	8,010	*	234	-	120	*	7,517	-
Amaro Sp. Wereda	24,562	876	1,680	*	686	*	21,101	-
Burji Sp. Wereda	13,570	227	2,314	-	*	-	10,949	*
Konso Sp. Wereda	79,841	10,992	9,460	*	*	*	56,595	-
Derashe Sp. Wereda	29,482	1,576	5,278	-	*	*	22,321	-
Dawro	19,807	776	2,060	-	*	*	16,609	*
Basketo Sp. Wereda	2,293	*	*	*	-	-	1,939	*
Konta Sp. Wereda	3,262	*	*	-	*	*	3,017	*
Silte	54,837	*	1,460	-	8,046	*	42,096	*
Alaba Sp. Wereda	28,697	759	907	-	1,991	*	24,676	*
Harari	12,081	905	432	*	1,947	187	8,567	-
Hundene	12,081	905	432	*	1,947	187	8,567	-
Addis Ababa	1,305	101	*	-	-	*	1,130	-
Zone 3	873	62	*	-	-	*	737	-
Zone 6	432	*	-	-	-	-	393	-
Dire Dawa	55,598	2,743	*	-	2,491	238	47,992	-

TABLE 3-10: HORSES AGED 3 YEARS AND OLDER BY SEX, PURPOSE, ZONE, AND REGION

Geographic Area	HORSES AGED 3 YEARS AND OLDER						
	Total	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
Ethiopia	1,183,470	486,000	88,335	5,829	536,997	66,311	
Tigray	1,200	1,012	*	-	-	-	-
North West Tigray	-	-	-	-	-	-	-
Central Tigray	-	-	-	-	-	-	-
Eastern Tigray	*	*	-	-	-	-	-
Southern Tigray	*	*	*	-	-	-	-
Western Tigray	*	*	-	-	-	-	-
Afar	-	-	-	-	-	-	-
Zone 1	-	-	-	-	-	-	-
Zone 3	-	-	-	-	-	-	-
Amhara	207,034	33,204	60,044	*	72,836	39,796	
North Gonder	32,786	6,493	*	-	9,755	*	-
South Gonder	17,207	*	*	-	7,075	*	-
North Wolo	*	*	*	-	*	*	-
South Wolo	25,692	6,174	*	-	16,297	*	-
North Shewa	29,362	*	*	-	21,736	*	-
East Gojam	36,946	9,735	*	*	12,953	*	-
West Gojam	8,250	3,255	*	-	*	*	-
Waghamera	-	-	-	-	-	-	-
Awi	44,468	2,677	24,488	-	2,644	14,659	-
Oromia	-	-	-	-	-	-	-
Oromia	735,212	348,098	20,039	2,037	349,259	15,780	
West Wellega	*	*	-	-	*	-	-
East Wellega	30,026	11,021	*	*	14,489	*	-
Illubabor	26,704	8,954	-	-	17,537	*	-
Jimma	62,158	20,045	*	*	41,299	-	-
West Shewa	98,997	46,653	10,305	-	37,729	*	-
North Shewa	50,368	18,456	-	*	31,218	*	-
East Shewa	13,036	11,033	-	-	2,003	-	-
Arsi	205,457	101,028	*	*	101,284	*	-
West Harerghe	*	-	-	-	*	*	-
East Harerghe	*	-	-	-	*	*	-
Bale	133,855	72,832	*	-	57,693	*	-
Borena	*	*	-	-	*	-	-
South West Shewa	18,116	13,532	-	*	4,025	*	-
Guji	89,310	42,114	4,236	-	37,887	5,074	-

TABLE 3-10 CONT'D

Geographic Area	HORSES AGED 3 YEARS AND OLDER						
	Total	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
Somale							
Shinele	-	-	-	-	-	-	-
Jijiga	-	-	-	-	-	-	-
Liben	-	-	-	-	-	-	-
Benshangul-Gumuz	*	-	-	-	*	*	-
Metekel	*	-	-	-	*	*	-
Asosa	-	-	-	-	-	-	-
Kemeshi	-	-	-	-	-	-	-
S.N.N.P.R	239,517	103,382	8,063	2,637	114,787	10,648	-
Gurage	42,011	10,840	-	*	30,919	-	-
Hadiya	14,374	6,335	*	-	6,589	*	-
Kembata Tembaro	5,059	2,522	*	*	1,487	*	-
Sidama	52,891	25,231	*	-	23,313	*	-
Gedio	20,925	14,985	*	*	5,333	*	-
Wolayita	*	*	*	-	-	-	-
South Omo	6,723	*	*	-	2,503	*	-
Shaka	2,864	2,197	*	-	565	-	-
Kaffa	34,276	17,009	*	*	15,921	-	-
Gamo Gofa	24,254	7,064	*	*	8,302	5,432	-
Bench Maji	6,234	1,872	-	-	4,362	-	-
Yem Sp. Wereda	379	*	-	-	268	*	-
Amaro Sp. Wereda	3,696	1,615	*	-	1,999	-	-
Burji Sp. Wereda	*	-	-	-	*	-	-
Konso Sp. Wereda	-	-	-	-	-	-	-
Derashe Sp. Wereda	*	*	-	-	-	-	-
Dawro	6,999	2,624	-	-	4,374	-	-
Basketo Sp. Wereda	359	99	116	*	*	*	-
Konta Sp. Wereda	584	359	-	-	225	-	-
Silte	15,687	6,871	-	*	7,729	*	-
Alaba Sp. Wereda	1,278	416	-	-	862	-	-
Harari	-	-	-	-	-	-	-
Hundene	-	-	-	-	-	-	-
Addis Ababa	331	304	-	-	27	-	-
Zone 3	227	200	-	-	27	-	-
Zone 6	105	105	-	-	-	-	-
Dire Dawa	-	-	-	-	-	-	-

TABLE 3-11: ASSES AGED 3 YEARS AND OLDER BY SEX, PURPOSE, ZONE, AND REGION

Geographic Area	ASSES AGED 3 YEARS AND OLDER						
	TOTAL	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
Ethiopia	2,954,412	930,960	322,155	42,837	1,140,951	404,714	112,796
Tigray	313,688	124,759	34,104	10,631	101,571	35,877	6,746
North West Tigray	50,438	19,035	2,507	-	24,434	*	*
Central Tigray	78,538	27,751	*	*	30,350	9,444	*
Eastern Tigray	55,108	22,198	6,922	*	13,712	10,073	*
Southern Tigray	103,688	36,459	15,673	*	29,431	12,308	3,798
Western Tigray	25,917	19,316	2,229	*	3,643	*	*
Afar	9,590	3,173	96	*	5,659	179	*
Zone 1	1,457	376	-	-	1,022	*	*
Zone 3	8,133	2,796	96	*	4,637	*	*
Amhara	984,075	204,185	136,359	7,248	324,431	237,785	74,066
North Gondar	124,516	34,446	*	*	46,727	19,684	9,454
South Gondar	114,888	13,924	15,213	*	46,470	24,036	13,363
North Wolo	111,831	27,829	11,252	-	42,415	26,661	*
South Wolo	187,428	34,678	36,481	*	44,787	43,574	27,057
North Shewa	166,216	45,020	22,309	*	61,567	31,847	3,269
East Gojam	111,188	14,981	18,638	*	20,108	46,618	10,487
West Gojam	93,132	14,383	10,917	*	30,916	33,526	3,043
Waghamera	29,105	7,635	4,447	*	10,524	4,205	1,993
Awi	24,464	4,827	3,829	*	7,780	6,642	1,210
Oromia	21,306	6,463	*	-	13,139	994	516
Oromia	1,297,733	462,750	126,855	12,406	549,730	118,817	27,175
West Wellega	70,998	29,645	*	-	33,387	5,962	*
East Wellega	71,137	23,282	*	*	27,802	1,135	8,494
Illubabor	8,472	3,704	-	-	4,099	-	*
Jimma	44,656	18,200	*	*	16,298	*	*
West Shewa	72,042	15,723	8,249	*	26,355	11,019	*
North Shewa	103,110	21,598	15,611	*	41,987	22,667	*
East Shewa	210,677	73,871	19,517	-	99,119	18,170	-
Arsi	204,200	68,274	19,725	*	96,448	16,858	*
West Harerghe	107,573	45,457	4,532	*	53,253	3,043	-
East Harerghe	110,328	49,676	23,117	*	26,038	10,333	*
Bale	134,047	58,511	*	*	72,437	*	*
Borena	45,758	19,534	*	*	21,333	*	3,461
South West Shewa	75,686	17,419	19,042	*	17,091	21,160	-
Guji	39,049	17,857	*	*	14,082	*	*

TABLE 3-11 CONT'D

Geographic Area	ASSES AGED 3 YEARS AND OLDER						
	TOTAL	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
Somale	72,315	33,639	*	*	33,442	*	1,144
Shinele	2,381	970	18	35	1,184	*	165
Jijiga	51,561	24,348	*	-	24,896	*	*
Liben	18,373	8,322	*	*	7,362	*	*
Benshangul-Gumuz	31,013	10,607	8,291	3,594	5,667	1,196	*
Metekel	14,942	3,478	6,605	3,059	*	870	*
Asosa	12,151	5,184	*	*	4,247	*	*
Kemeshi	3,920	1,945	1,270	-	659	-	*
S.N.N.P.R	229,699	85,735	10,815	8,371	114,758	8,489	1,530
Gurage	30,099	15,670	*	-	13,205	-	-
Hadiya	31,840	6,815	*	-	23,077	*	*
Kembata Tembaro	16,051	12,978	*	-	2,806	*	-
Sidama	40,204	17,327	*	*	18,379	*	-
Gedio	1,630	1,461	*	-	-	-	-
Wolayita	21,739	9,343	-	5,109	*	*	*
South Omo	2,621	698	*	-	*	*	*
Shaka	976	713	*	*	-	-	-
Kaffa	*	*	-	*	-	-	*
Gamo Gofa	8,875	4,463	*	-	*	*	-
Bench Maji	-	-	-	-	-	-	-
Yem Sp. Wereda	1,755	575	*	-	830	236	-
Amaro Sp. Wereda	447	*	*	-	*	-	-
Burji Sp. Wereda	2,588	1,161	187	-	1,084	*	*
Konso Sp. Wereda	3,566	1,094	*	-	1,095	792	-
Derashe Sp. Wereda	6,917	*	4,775	-	*	1,832	*
Dawro	2,354	575	-	1,019	*	-	*
Basketo Sp. Wereda	*	*	-	-	-	-	-
Konta Sp. Wereda	*	*	-	-	-	-	-
Silte	42,956	11,088	-	-	31,487	*	-
Alaba Sp. Wereda	13,325	980	-	-	12,345	-	-
Harari	5,439	2,262	748	*	2,016	383	-
Hundene	5,439	2,262	748	*	2,016	383	-
Addis Ababa	4,369	1,403	2,243	-	142	577	*
Zone 3	2,607	1,324	1,192	-	*	81	-
Zone 6	1,763	79	1,051	-	132	496	*
Dire Dawa	6,492	2,446	*	*	3,536	*	*

TABLE 3-12: MULES AGED 3 YEARS AND OLDER BY SEX, PURPOSE, ZONE, AND REGION

Geographic Area	MULES AGED 3 YEARS AND OLDER						
	TOTAL	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
Ethiopia	260,742	111,132	7,286	5,238	126,896	6,837	3,353
Tigray	8,741	1,071	*	*	5,237	*	-
North West Tigray	*	-	-	-	-	*	-
Central Tigray	*	-	-	*	*	*	-
Eastern Tigray	1,375	*	*	-	974	*	-
Southern Tigray	5,353	*	-	*	3,704	*	-
Western Tigray	628	*	*	-	*	-	-
Afar	195	*	-	-	90	-	-
Zone 1	-	-	-	-	-	-	-
Zone 3	195	*	-	-	90	-	-
Amhara	66,024	24,273	5,161	*	30,298	2,004	*
North Gonder	11,256	6,077	-	*	4,215	-	*
South Gonder	12,249	3,548	*	*	4,662	*	*
North Wolo	9,688	3,768	-	-	5,542	*	-
South Wolo	11,343	2,524	*	-	7,984	-	-
North Shewa	6,230	2,972	-	-	3,259	-	-
East Gojam	*	*	*	*	*	*	*
West Gojam	4,436	*	*	-	1,674	*	-
Waghamera	2,625	983	*	-	1,361	*	-
Awi	2,590	1,914	*	-	*	-	-
Oromia	*	*	-	-	*	-	-
Oromia	128,596	55,700	*	*	68,948	*	*
West Wellega	7,615	3,205	-	-	4,411	-	-
East Wellega	10,925	4,688	*	-	5,986	-	-
Illubabor	5,774	2,808	-	-	2,967	-	-
Jimma	23,902	6,426	-	*	16,688	*	-
West Shewa	4,935	3,038	-	-	1,897	-	-
North Shewa	3,750	*	-	-	3,208	-	-
East Shewa	7,436	6,495	-	-	*	-	-
Arsi	22,932	11,668	-	*	9,340	-	*
West Harerghe	1,571	-	-	-	1,571	-	-
East Harerghe	-	-	-	-	-	-	-
Bale	14,800	7,234	-	-	7,566	-	-
Borena	5,371	2,366	-	-	3,005	-	-
South West Shewa	7,913	2,929	-	-	4,984	-	-
Guji	11,671	4,302	*	*	6,385	*	-

TABLE 3-12 CONT'D

Geographic Area	MULES AGED 3 YEARS AND OLDER						
	TOTAL	MALE			FEMALE		
		Transportation	Draught	Other	Transportation	Draught	Other
Somale	*	*	-	-	*	-	-
Shinele	18	9	-	-	*	-	-
Jijiga	-	-	-	-	-	-	-
Liben	*	*	-	-	-	-	-
Benshangul-Gumuz	1,611	435	-	-	1,098	*	-
Metekel	801	*	-	-	538	*	-
Asosa	*	*	-	-	*	-	-
Kemeshi	263	114	-	-	*	-	-
S.N.N.P.R	55,247	29,295	1,467	*	21,156	*	*
Gurage	4,397	*	-	-	2,649	-	-
Hadiya	10,040	6,857	-	-	2,687	*	-
Kembata Tembaro	2,008	916	-	-	1,092	-	-
Sidama	*	*	-	-	*	-	-
Gedio	3,481	2,017	-	-	1,464	-	-
Wolayita	1,668	1,128	-	-	*	-	-
South Omo	2,473	1,092	*	-	848	*	-
Shaka	270	*	-	-	*	-	-
Kaffa	8,390	5,032	-	*	2,634	-	*
Gamo Gofa	7,456	3,048	*	-	2,140	*	-
Bench Maji	568	*	-	-	*	-	-
Yem Sp. Wereda	141	*	-	-	114	-	-
Amaro Sp. Wereda	1,108	648	*	-	336	-	-
Burji Sp. Wereda	119	*	-	-	*	-	-
Konso Sp. Wereda	-	-	-	-	-	-	-
Derashe Sp. Wereda	310	*	*	-	*	*	-
Dawro	3,181	1,589	*	*	1,399	-	-
Basketo Sp. Wereda	435	*	65	136	88	*	*
Konta Sp. Wereda	600	449	-	-	*	-	-
Silte	5,036	2,970	-	-	2,065	-	-
Alaba Sp. Wereda	752	*	-	-	434	-	*
Harari	-	-	-	-	-	-	-
Hundene	-	-	-	-	-	-	-
Addis Ababa	252	186	-	*	61	-	-
Zone 3	159	93	-	*	61	-	-
Zone 6	93	93	-	-	-	-	-
Dire Dawa	*	*	-	-	-	-	-

TABLE 3-13: CAMELS AGED 4 YEARS AND OLDER BY SEX, PURPOSE, ZONE, AND REGION

Geographic Area	CAMELS AGED 4 YEARS AND OLDER									
	TOTAL	MALE				FEMALE				
		Transportation	Meat	Draught	Other	Transportation	Meat	Draught	Milk	Others
Ethiopia	321,029	87,998	*	2,479	12,539	12,410	*	*	137,830	59,877
Tigray	27,238	25,473	-	*	*	-	-	-	-	-
North West Tigray	3,440	2,331	-	*	*	-	-	-	-	-
Central Tigray	7,067	7,067	-	-	-	-	-	-	-	-
Eastern Tigray	*	*	-	-	*	-	-	-	-	-
Southern Tigray	13,113	13,113	-	-	-	-	-	-	-	-
Western Tigray	*	*	-	*	*	-	-	-	-	-
Afar	72,347	11,540	*	*	1,867	5,203	*	*	40,293	12,549
Zone 1	*	6,144	-	-	*	*	*	*	13,681	*
Zone 3	43,258	5,396	*	*	1,133	3,217	*	*	26,612	*
Amhara	10,781	10,036	-	*	*	*	-	-	-	-
North Gonder	*	-	-	-	*	-	-	-	-	-
South Gonder	-	-	-	-	-	-	-	-	-	-
North Wolo	*	*	-	-	-	-	-	-	-	-
South Wolo	*	*	-	-	-	-	-	-	-	-
North Shewa	*	*	-	-	-	-	-	-	-	-
East Gojam	-	-	-	-	-	-	-	-	-	-
West Gojam	-	-	-	-	-	-	-	-	-	-
Waghamera	-	-	-	-	-	-	-	-	-	-
Awi	-	-	-	-	-	-	-	-	-	-
Oromia	5,585	5,190	-	*	*	*	-	-	-	-
Oromia	85,133	10,637	*	*	*	*	-	-	42,809	22,944
West Wellega	-	-	-	-	-	-	-	-	-	-
East Wellega	-	-	-	-	-	-	-	-	-	-
Illubabor	-	-	-	-	-	-	-	-	-	-
Jimma	*	-	-	-	*	-	-	-	-	-
West Shewa	-	-	-	-	-	-	-	-	-	-
North Shewa	-	-	-	-	-	-	-	-	-	-
East Shewa	*	-	-	-	-	-	-	-	*	-
Arsi	*	-	-	-	-	-	-	-	*	*
West Harerghe	*	*	*	-	-	*	-	-	*	*
East Harerghe	*	*	*	-	-	-	-	-	*	-
Bale	*	2,395	-	-	-	-	-	-	*	-
Borena	37,706	4,751	-	*	*	*	-	-	6,038	21,345
South West Shewa	-	-	-	-	-	-	-	-	-	-
Guji	*	*	-	-	-	*	-	-	*	-

TABLE 3-13 CONT'D

Geographic Area	CAMELS AGED 4 YEARS AND OLDER									
	TOTAL	MALE				FEMALE				
		Transportation	Meat	Draught	Other	Transportation	Meat	Draught	Milk	Others
Somale	120,767	28,210	*	939	*	*	*	*	52,773	24,229
Shinele	3,306	1,558	9	-	7	202	-	-	1,424	107
Jijiga	30,425	13,251	*	939	*	*	*	-	5,209	5,174
Liben	87,037	13,401	*	-	*	*	-	*	46,140	18,949
Benshangul-Gumuz	-	-	-	-	-	-	-	-	-	-
Metekel	-	-	-	-	-	-	-	-	-	-
Asosa	-	-	-	-	-	-	-	-	-	-
Kemeshi	-	-	-	-	-	-	-	-	-	-
S.N.N.P.R	-	-	-	-	-	-	-	-	-	-
Gurage	-	-	-	-	-	-	-	-	-	-
Hadiya	-	-	-	-	-	-	-	-	-	-
Kembata Tembaro	-	-	-	-	-	-	-	-	-	-
Sidama	-	-	-	-	-	-	-	-	-	-
Gedio	-	-	-	-	-	-	-	-	-	-
Wolayita	-	-	-	-	-	-	-	-	-	-
South Omo	-	-	-	-	-	-	-	-	-	-
Shaka	-	-	-	-	-	-	-	-	-	-
Kaffa	-	-	-	-	-	-	-	-	-	-
Gamo Gofa	-	-	-	-	-	-	-	-	-	-
Bench Maji	-	-	-	-	-	-	-	-	-	-
Yem Sp. Wereda	-	-	-	-	-	-	-	-	-	-
Amaro Sp. Wereda	-	-	-	-	-	-	-	-	-	-
Burji Sp. Wereda	-	-	-	-	-	-	-	-	-	-
Konso Sp. Wereda	-	-	-	-	-	-	-	-	-	-
Derashe Sp. Wereda	-	-	-	-	-	-	-	-	-	-
Dawro	-	-	-	-	-	-	-	-	-	-
Basketo Sp. Wereda	-	-	-	-	-	-	-	-	-	-
Konta Sp. Wereda	-	-	-	-	-	-	-	-	-	-
Silte	-	-	-	-	-	-	-	-	-	-
Alaba Sp. Wereda	-	-	-	-	-	-	-	-	-	-
Harari	*	*	*	-	-	-	-	*	*	-
Hundene	*	*	*	-	-	-	-	*	*	-
Addis Ababa	-	-	-	-	-	-	-	-	-	-
Zone 3	-	-	-	-	-	-	-	-	-	-
Zone 6	-	-	-	-	-	-	-	-	-	-
Dire Dawa	3,753	2,027	-	-	-	244	-	-	1,328	*

TABLE 3-14: NUMBER OF CATTLE BY SEX, BREED, ZONE, AND REGION

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Ethiopia	38,749,310	17,050,269	63,932	8,533	21,486,301	123,430	16,846
Tigray	2,713,747	1,301,373	3,324	*	1,400,610	7,238	1,040
North West Tigray	742,479	332,618	*	-	409,676	-	-
Central Tigray	600,741	333,901	*	-	265,656	*	*
Eastern Tigray	295,556	147,569	*	*	143,958	*	538
Southern Tigray	682,083	333,882	*	-	344,799	2,716	*
Western Tigray	392,887	153,404	*	-	236,521	*	-
Afar	327,373	64,506	*	-	262,753	*	-
Zone 1	149,169	24,298	-	-	124,871	-	-
Zone 3	178,204	40,208	*	-	137,883	*	-
Amhara	9,694,803	4,969,891	6,033	*	4,698,598	17,318	*
North Gonder	1,641,849	762,442	*	-	878,667	-	*
South Gonder	1,152,423	602,171	*	*	546,322	2,396	-
North Wolo	856,705	431,570	-	-	425,136	-	-
South Wolo	1,409,404	731,250	*	*	670,128	*	-
North Shewa	1,000,744	570,532	*	*	420,980	*	*
East Gojam	1,144,427	626,537	-	-	515,527	*	*
West Gojam	1,378,604	730,438	-	-	646,313	*	-
Waghamera	260,099	125,622	-	-	134,477	-	-
Awi	573,757	261,958	-	-	311,628	*	-
Oromia	276,791	127,371	-	-	149,420	-	-
Oromia	17,214,537	7,536,563	45,237	5,825	9,549,920	68,369	8,624
West Wellega	1,082,740	474,715	-	-	608,025	-	-
East Wellega	1,249,484	581,558	*	-	667,647	-	-
Illubabor	721,014	336,310	-	-	384,704	-	-
Jimma	1,741,665	799,579	-	-	941,599	*	-
West Shewa	1,514,981	727,017	*	-	781,410	*	*
North Shewa	1,116,573	515,106	17,450	1,742	548,155	29,907	4,213
East Shewa	1,281,328	614,948	-	*	664,915	*	-
Arsi	2,340,245	1,060,476	21,487	3,496	1,218,757	32,180	3,849
West Harerghe	756,401	333,045	-	-	423,356	-	-
East Harerghe	887,990	318,110	*	-	569,148	*	-
Bale	1,736,760	679,859	1,901	-	1,053,990	*	*
Borena	1,087,127	381,387	-	-	705,740	-	-
South West Shewa	688,892	358,159	*	-	329,430	*	-
Guji	1,009,336	356,294	-	-	653,042	-	-

TABLE 3-14 CONT'D

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Somale	459,715	157,649	-	-	301,909	*	-
Shinele	18,150	5,607	-	-	12,543	-	-
Jijiga	297,181	111,782	-	-	185,399	-	-
Liben	144,384	40,259	-	-	103,967	*	-
Benshangul-Gumuz	307,816	137,772	-	-	170,009	*	-
Metekel	203,853	89,455	-	-	114,398	-	-
Asosa	63,213	31,770	-	-	31,443	-	-
Kemeshi	40,750	16,547	-	-	24,168	*	-
S.N.N.P.R	7,938,489	2,847,045	9,114	*	5,046,178	29,679	*
Gurage	848,998	246,670	*	-	601,799	*	-
Hadiya	629,063	257,650	*	-	368,287	1,700	-
Kembata Tembaro	294,679	106,833	4,594	536	163,834	17,297	1,585
Sidama	1,450,070	355,313	-	-	1,090,462	*	*
Gedio	110,010	44,782	-	-	65,048	*	-
Wolayita	790,215	309,084	*	*	473,066	*	*
South Omo	602,866	208,777	*	-	391,805	*	-
Shaka	74,313	27,579	-	-	46,734	-	-
Kaffa	536,602	233,128	-	-	302,882	*	-
Gamo Gofa	904,794	342,395	*	-	560,897	*	-
Bench Maji	331,725	125,505	*	-	206,097	-	-
Yem Sp. Wereda	50,050	23,792	-	-	26,258	-	-
Amaro Sp. Wereda	89,507	35,418	-	-	54,090	-	-
Burji Sp. Wereda	34,919	19,161	-	-	15,758	-	-
Konso Sp. Wereda	91,957	44,213	-	-	47,743	-	-
Derashe Sp. Wereda	66,946	35,652	-	-	31,294	-	-
Dawro	337,038	127,861	-	-	209,177	-	-
Basketo Sp. Wereda	23,055	9,596	-	-	13,459	-	-
Konta Sp. Wereda	60,958	26,005	-	-	34,953	-	-
Silte	492,878	215,341	-	-	277,189	*	-
Alaba Sp. Wereda	117,847	52,290	*	-	65,349	*	-
Harari	31,732	11,298	*	*	19,942	*	*
Hundene	31,732	11,298	*	*	19,942	*	*
Addis Ababa	20,704	11,769	123	-	8,391	329	*
Zone 3	14,528	7,772	106	-	6,338	287	24
Zone 6	6,176	3,997	*	-	2,053	42	*
Dire Dawa	40,393	12,403	-	-	27,991	-	-

TABLE 3-15 NUMBER OF SHEEP BY SEX, BREED, ZONE, AND REGION

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Ethiopia	18,074,721	4,486,593	-	5,596	13,563,345	*	18,817
Tigray	726,394	173,210	-	*	552,916	-	*
North West Tigray	74,450	18,055	-	-	56,394	-	-
Central Tigray	143,106	33,331	-	-	109,775	-	-
Eastern Tigray	325,784	69,531	-	*	255,985	-	*
Southern Tigray	163,692	47,044	-	-	116,648	-	-
Western Tigray	19,363	*	-	-	14,115	-	-
Afar	196,385	45,732	-	-	150,653	-	-
Zone 1	91,819	19,970	-	-	71,849	-	-
Zone 3	104,566	25,762	-	-	78,804	-	-
Amhara	6,390,779	1,548,370	-	*	4,837,770	*	*
North Gonder	416,860	86,463	-	-	330,397	-	-
South Gonder	645,036	153,395	-	*	489,465	*	*
North Wolo	585,981	125,129	-	*	460,553	-	-
South Wolo	1,724,513	474,461	-	-	1,250,051	-	-
North Shewa	1,131,509	303,663	-	*	827,216	-	*
East Gojam	953,080	189,597	-	-	761,950	-	*
West Gojam	532,075	122,563	-	-	409,512	-	-
Waghamera	50,912	14,110	-	-	36,802	-	-
Awi	326,197	66,469	-	-	259,728	-	-
Oromia	24,616	12,520	-	-	12,096	-	-
Oromia	6,905,369	1,744,653	-	*	5,141,872	-	*
West Wellega	276,668	64,452	-	-	212,216	-	-
East Wellega	360,421	88,610	-	-	271,811	-	-
Illubabor	339,179	84,579	-	-	254,600	-	-
Jimma	731,248	168,493	-	-	562,755	-	-
West Shewa	793,969	188,206	-	-	605,763	-	-
North Shewa	873,097	217,533	-	-	654,792	-	*
East Shewa	313,670	82,296	-	-	231,374	-	-
Arsi	1,507,642	389,999	-	*	1,099,570	-	*
West Harerghe	168,955	45,806	-	-	123,149	-	-
East Harerghe	236,192	69,617	-	-	166,575	-	-
Bale	684,169	174,013	-	-	510,156	-	-
Borena	185,548	50,620	-	-	134,928	-	-
South West Shewa	164,961	51,128	-	-	113,833	-	-
Guji	269,649	69,301	-	-	200,348	-	-

TABLE 3-15 CONT'D

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Somale	463,000	133,907	-	-	329,093	-	-
Shinele	34,345	8,698	-	-	25,647	-	-
Jijiga	308,000	92,318	-	-	215,682	-	-
Liben	120,656	32,891	-	-	87,765	-	-
Benshangul-Gumuz	65,794	20,257	-	*	45,344	-	*
Metekel	38,671	12,333	-	*	26,145	-	*
Asosa	12,670	2,774	-	-	9,895	-	-
Kemeshi	14,454	5,149	-	-	9,304	-	-
S.N.N.P.R	3,270,198	804,669	-	-	2,464,692	-	*
Gurage	280,058	61,025	-	-	219,033	-	-
Hadiya	215,764	47,650	-	-	168,113	-	-
Kembata Tembaro	101,032	28,975	-	-	72,057	-	-
Sidama	316,405	74,046	-	-	242,359	-	-
Gedio	152,836	41,603	-	-	111,233	-	-
Wolayita	157,519	52,125	-	-	105,394	-	-
South Omo	479,589	144,655	-	-	334,934	-	-
Shaka	49,641	13,000	-	-	36,641	-	-
Kaffa	307,463	61,049	-	-	246,414	-	-
Gamo Gofa	477,618	89,045	-	-	387,737	-	*
Bench Maji	160,422	30,166	-	-	130,255	-	-
Yem Sp. Wereda	23,426	4,764	-	-	18,662	-	-
Amaro Sp. Wereda	63,445	15,269	-	-	48,176	-	-
Burji Sp. Wereda	1,918	529	-	-	1,389	-	-
Konso Sp. Wereda	75,491	28,863	-	-	46,628	-	-
Derashe Sp. Wereda	12,542	4,066	-	-	8,476	-	-
Dawro	100,253	29,860	-	-	70,393	-	-
Basketo Sp. Wereda	10,832	1,879	-	-	8,954	-	-
Konta Sp. Wereda	17,252	6,720	-	-	10,533	-	-
Silte	232,259	61,298	-	-	170,961	-	-
Alaba Sp. Wereda	34,434	8,085	-	-	26,349	-	-
Harari	3,438	1,181	-	-	2,257	-	-
Hundene	3,438	1,181	-	-	2,257	-	-
Addis Ababa	7,089	2,057	-	-	5,032	-	-
Zone 3	5,181	1,490	-	-	3,691	-	-
Zone 6	1,908	566	-	-	1,341	-	-
Dire Dawa	46,275	12,558	-	-	33,716	-	-

TABLE 3-16: NUMBER OF GOATS BY SEX, BREED, ZONE, AND REGION

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Ethiopia	14,858,646	4,316,463	*		10,539,587	*	*
Tigray	2,089,697	552,254			1,537,443		
North West Tigray	689,672	166,417			523,254		
Central Tigray	718,001	205,976			512,025		
Eastern Tigray	146,697	38,769			107,928		
Southern Tigray	293,836	71,914			221,922		
Western Tigray	241,492	69,177			172,314		
Afar	483,779	99,892			383,887		
Zone 1	196,725	32,742			163,982		
Zone 3	287,055	67,150			219,905		
Amhara	4,101,770	1,254,215			2,847,555		
North Gonder	835,132	229,154			605,978		
South Gonder	457,200	126,673			330,528		
North Wolo	541,789	146,713			395,077		
South Wolo	781,797	261,233			520,564		
North Shewa	551,251	218,942			332,309		
East Gojam	204,540	61,790			142,750		
West Gojam	258,742	76,313			182,429		
Waghamera	215,188	56,722			158,466		
Awi	114,903	35,056			79,846		
Oromia	141,228	41,619			99,609		
Oromia	4,849,060	1,432,588			3,415,367	*	
West Wellega	87,269	25,575			61,694		
East Wellega	150,053	45,964			104,090		
Illubabor	78,711	25,023			53,688		
Jimma	216,789	64,066			152,723		
West Shewa	239,662	72,470			167,192		
North Shewa	117,976	35,351			82,626		
East Shewa	548,239	157,262			390,976		
Arsi	456,978	139,909			317,069		
West Harerghe	634,424	183,415			451,009		
East Harerghe	666,986	206,737			459,144	*	
Bale	514,257	134,507			379,750		
Borena	693,873	196,436			497,437		
South West Shewa	176,243	62,048			114,196		
Guji	267,600	83,826			183,774		

TABLE 3-16 CONT'D

Geographic Area	Total	MALE			FEMALE		
		Indigenous	Hybrid	Exotic	Indigenous	Hybrid	Exotic
Somale	650,973	175,866	-	-	475,107	-	-
Shinele	75,943	18,616	-	-	57,327	-	-
Jijiga	284,772	80,788	-	-	203,984	-	-
Liben	290,257	76,461	-	-	213,796	-	-
Benshangul-Gumuz	244,572	73,232	-	-	171,341	-	-
Metekel	90,559	28,507	-	-	62,051	-	-
Asosa	105,197	29,954	-	-	75,243	-	-
Kemeshi	48,817	14,770	-	-	34,047	-	-
S.N.N.P.R	2,289,973	688,841	*	-	1,599,641	*	*
Gurage	113,414	30,834	-	-	82,038	*	-
Hadiya	112,689	27,153	-	-	85,535	-	-
Kembata Tembaro	44,552	10,626	*	-	32,977	*	*
Sidama	177,434	51,955	-	-	125,479	-	-
Gedio	13,001	5,018	-	-	7,982	-	-
Wolayita	139,401	35,017	-	-	104,384	-	-
South Omo	825,673	280,394	-	-	545,279	-	-
Shaka	8,124	2,619	-	-	5,505	-	-
Kaffa	79,443	17,855	-	-	61,588	-	-
Gamo Gofa	217,492	60,442	-	-	157,051	-	-
Bench Maji	34,450	8,316	-	-	26,134	-	-
Yem Sp. Wereda	16,174	3,966	-	-	12,209	-	-
Amaro Sp. Wereda	47,270	11,925	-	-	35,345	-	-
Burji Sp. Wereda	24,787	7,615	-	-	17,172	-	-
Konso Sp. Wereda	143,172	48,189	-	-	94,983	-	-
Derashe Sp. Wereda	54,347	18,651	-	-	35,696	-	-
Dawro	48,414	16,236	-	-	32,178	-	-
Basketo Sp. Wereda	3,872	1,052	-	-	2,820	-	-
Konta Sp. Wereda	8,347	2,750	-	-	5,597	-	-
Silte	118,600	31,862	-	-	86,738	-	-
Alaba Sp. Wereda	59,318	16,367	-	-	42,951	-	-
Harari	26,909	8,103	-	-	18,806	-	-
Hundene	26,909	8,103	-	-	18,806	-	-
Addis Ababa	3,147	955	-	-	2,192	-	-
Zone 3	2,171	650	-	-	1,521	-	-
Zone 6	976	305	-	-	671	-	-
Dire Dawa	118,766	30,517	-	-	88,249	-	-

TABLE 3-17 ESTIMATED NUMBER OF NEWBORN LIVESTOCK DURING THE REFERENCE PERIOD BY TYPE, ZONE AND REGION

a. Total

Geographic Area	Calves	Lambs	Goat-Kids	Horses/Mules	Asses	Camels
Ethiopia	7,342,082	8,191,263	6,393,726	163,144	435,552	79,363
Tigray	493,750	279,616	720,674	*	27,270	-
North West Tigray	137,776	23,365	220,090	*	5,516	-
Central Tigray	99,469	60,852	253,459	-	7,336	-
Eastern Tigray	53,327	138,220	50,036	-	5,687	-
Southern Tigray	117,235	47,381	104,316	*	7,474	-
Western Tigray	85,943	9,798	92,774	*	1,256	-
Afar	110,797	85,404	192,621	*	1,424	24,332
Zone 1	53,791	39,940	83,496	-	465	*
Zone 3	57,005	45,464	109,125	*	958	13,678
Amhara	1,429,616	2,796,507	1,860,697	33,840	191,806	*
North Gonder	281,508	180,188	384,868	4,103	27,590	-
South Gonder	146,765	289,019	191,002	3,824	24,151	-
North Wolo	142,053	197,700	221,405	*	16,775	-
South Wolo	230,966	766,647	387,055	5,794	33,000	-
North Shewa	128,926	460,945	226,460	7,688	31,870	*
East Gojam	125,876	432,175	94,031	*	28,040	*
West Gojam	182,402	270,072	142,452	*	19,617	-
Waghamera	48,046	16,714	75,835	*	2,640	-
Awi	89,399	174,510	65,439	3,991	3,680	-
Oromia	53,675	8,537	72,149	*	4,445	-
Oromia	3,349,403	3,470,243	2,305,245	107,390	184,310	28,952
West Wellega	180,711	123,186	46,815	*	8,819	-
East Wellega	223,026	208,541	87,481	7,223	18,557	-
Illubabor	142,568	162,360	37,069	4,861	*	-
Jimma	315,849	314,240	93,237	10,179	4,817	*
West Shewa	265,608	433,887	123,652	15,032	11,593	-
North Shewa	193,163	490,078	67,911	8,159	18,634	*
East Shewa	244,422	136,773	296,312	*	33,411	*
Arsi	412,147	792,892	211,931	27,442	30,714	*
West Harerghe	167,946	69,250	285,729	-	10,253	*
East Harerghe	203,154	99,942	255,273	*	4,568	*
Bale	350,218	340,801	275,543	19,254	19,858	*
Borena	313,327	81,977	311,456	*	5,251	11,597
South West Shewa	93,750	100,624	93,821	*	10,218	*
Guji	243,512	115,692	119,014	6,691	5,074	*

TABLE 3-17 - a CONT'D

Geographic Area	Calves	Lambs	Goat-Kids	Horses/Mules	Asses	Camels
Somale	117,692	154,020	212,826	859	7,697	24,297
Shinele	4,789	13,502	32,572	295	328	589
Jijiga	73,512	105,794	98,647	*	4,784	3,720
Liben	39,392	34,724	81,608	*	2,584	19,988
Benshangul-Gumuz	68,068	33,404	146,506	*	3,343	-
Metekel	47,540	18,342	48,120	*	*	-
Asosa	11,184	8,536	72,045	*	2,800	-
Kemeshi	9,344	6,527	26,340	*	215	-
S.N.N.P.R	1,752,835	1,347,337	890,737	18,522	18,386	*
Gurage	156,857	120,074	50,145	2,492	1,687	-
Hadiya	108,617	101,489	51,454	*	2,299	-
Kembata Tembaro	63,035	42,274	19,328	*	921	-
Sidama	388,564	116,253	59,321	*	3,338	-
Gedio	21,692	71,451	3,201	*	-	-
Wolayita	167,341	69,237	65,897	-	*	-
South Omo	125,765	169,195	268,781	1,063	432	*
Shaka	18,685	24,387	4,774	*	-	-
Kaffa	136,603	168,491	41,033	5,131	*	-
Gamo Gofa	213,752	148,669	94,427	3,361	*	-
Bench Maji	85,973	70,185	16,842	497	*	-
Yem Sp. Wereda	6,868	9,718	7,030	*	187	-
Amaro Sp. Wereda	17,615	20,041	17,127	*	*	-
Burji Sp. Wereda	4,710	697	8,967	-	387	-
Konso Sp. Wereda	17,214	23,681	46,823	*	568	-
Derashe Sp. Wereda	13,754	3,846	20,068	-	378	-
Dawro	70,241	47,142	20,558	796	-	-
Basketo Sp. Wereda	5,309	3,905	1,156	*	-	-
Konta Sp. Wereda	14,205	7,014	3,985	-	-	-
Silte	91,097	112,763	60,491	*	4,553	-
Alaba Sp. Wereda	24,939	16,824	29,329	*	1,370	*
Harari	7,742	1,115	11,457	*	402	*
Hundene	7,742	1,115	11,457	*	402	*
Addis Ababa	2,487	3,357	1,613	*	163	-
Zone 3	1,884	2,377	997	*	*	-
Zone 6	603	980	617	-	130	-
Dire Dawa	9,694	20,260	51,350	*	750	599

b. Male

Geographic Area	Calves	Lambs	Goat-Kids	Horses/Mules	Asses	Camels
Ethiopia	3,605,710	3,940,428	3,023,924	86,121	230,436	32,731
Tigray	238,564	127,406	332,259	*	15,768	-
North West Tigray	67,075	11,371	90,021	*	2,913	-
Central Tigray	51,446	24,586	125,866	-	4,255	-
Eastern Tigray	26,218	63,568	26,830	-	3,261	-
Southern Tigray	56,326	22,637	48,771	*	4,907	-
Western Tigray	37,498	*	40,770	-	433	-
Afar	38,045	31,175	68,193	*	758	8,068
Zone 1	16,931	14,078	26,962	-	278	*
Zone 3	21,114	17,097	41,230	*	479	4,852
Amhara	718,423	1,351,741	906,096	16,598	99,002	*
North Gonder	133,731	81,313	175,753	*	16,759	-
South Gonder	83,155	149,150	98,546	*	12,532	-
North Wolo	65,304	93,346	97,384	*	7,269	-
South Wolo	126,144	371,975	192,776	2,497	17,802	-
North Shewa	61,472	211,103	111,938	3,935	13,815	*
East Gojam	60,821	210,591	49,346	*	14,734	*
West Gojam	89,778	138,616	71,539	*	10,426	-
Waghamera	24,557	7,979	36,000	*	1,317	-
Awi	48,026	83,193	36,655	1,680	1,887	-
Oromia	25,435	4,475	36,159	*	2,460	-
Oromia	1,641,729	1,702,064	1,124,128	58,966	97,358	12,498
West Wellega	93,271	58,761	22,419	*	5,690	-
East Wellega	101,634	101,659	42,687	3,982	7,991	-
Illubabor	68,894	79,743	18,806	2,988	*	-
Jimma	160,200	145,326	46,567	5,106	3,624	*
West Shewa	128,354	211,958	62,464	10,094	6,868	-
North Shewa	95,799	251,869	33,280	4,271	9,030	-
East Shewa	120,517	67,580	148,370	*	17,578	*
Arsi	201,526	402,008	112,149	15,929	14,848	1,719
West Harerghe	87,815	27,842	131,477	-	4,203	*
East Harerghe	99,666	51,091	129,242	-	3,059	-
Bale	170,973	157,955	134,903	9,235	12,229	*
Borena	148,567	36,190	139,722	*	3,482	5,674
South West Shewa	45,198	53,993	49,635	712	4,825	*
Guji	119,314	56,089	52,408	3,862	2,539	*

TABLE 3-17 – b CONT'D

Geographic Area	Calves	Lambs	Goat-Kids	Horses/Mules	Asses	Camels
Somale	57,001	66,705	87,321	208	4,656	11,057
Shinele	1,995	5,891	13,836	70	200	305
Jijiga	36,751	46,574	43,884	*	3,215	1,888
Liben	18,255	14,239	29,602	-	1,241	8,865
Benshangul-Gumuz	33,411	17,218	69,651	*	1,916	-
Metekel	22,496	9,537	23,700	*	*	-
Asosa	6,408	4,074	33,638	*	1,630	-
Kemeshi	4,507	3,606	12,312	*	110	-
S.N.N.P.R	868,385	632,413	406,807	9,598	10,420	-
Gurage	78,693	57,880	24,044	*	*	-
Hadiya	56,006	53,839	21,393	*	1,425	-
Kembata Tembaro	33,965	18,851	8,774	*	*	-
Sidama	189,510	56,260	28,796	*	*	-
Gedio	10,480	34,116	1,728	-	-	-
Wolayita	84,214	35,914	34,413	-	*	-
South Omo	55,903	76,016	114,275	466	*	-
Shaka	9,097	12,179	2,646	*	-	-
Kaffa	70,259	78,429	18,287	3,716	-	-
Gamo Gofa	109,626	60,675	40,739	*	-	-
Bench Maji	44,761	31,526	7,624	497	*	-
Yem Sp. Wereda	3,507	4,321	3,711	*	*	-
Amaro Sp. Wereda	8,107	8,264	7,314	*	*	-
Burji Sp. Wereda	2,398	367	4,403	-	144	-
Konso Sp. Wereda	8,318	10,304	22,058	*	282	-
Derashe Sp. Wereda	6,214	1,787	9,591	-	191	-
Dawro	32,920	22,500	10,537	*	-	-
Basketo Sp. Wereda	2,640	1,583	555	-	-	-
Konta Sp. Wereda	6,863	4,088	2,408	-	-	-
Silte	42,723	55,854	28,289	*	2,650	-
Alaba Sp. Wereda	12,182	7,663	15,221	*	529	-
Harari	3,857	489	5,481	-	*	*
Hundene	3,857	489	5,481	-	*	*
Addis Ababa	1,203	1,781	789	*	103	-
Zone 3	960	1,275	484	*	*	-
Zone 6	243	507	305	-	87	-
Dire Dawa	5,093	9,436	23,200	*	302	328

c. Female

Geographic Area	Calves	Lambs	Goat-Kids	Horses/Mules	Asses	Camels
Ethiopia	3,736,372	4,250,835	3,369,802	77,023	205,116	46,632
Tigray	255,186	152,210	388,415	*	11,501	-
North West Tigray	70,701	11,994	130,068	*	2,603	-
Central Tigray	48,023	36,266	127,593	-	3,081	-
Eastern Tigray	27,109	74,653	23,206	-	2,427	-
Southern Tigray	60,908	24,744	55,545	*	*	-
Western Tigray	48,445	4,554	52,004	*	824	-
Afar	72,752	54,229	124,428	-	666	16,265
Zone 1	36,861	25,862	56,533	-	187	*
Zone 3	35,891	28,368	67,895	-	479	8,826
Amhara	711,192	1,444,765	954,600	17,242	92,805	-
North Gonder	147,777	98,875	209,115	*	10,831	-
South Gonder	63,609	139,869	92,456	2,259	11,619	-
North Wolo	76,749	104,354	124,021	*	9,505	-
South Wolo	104,822	394,672	194,280	3,297	15,198	-
North Shewa	67,455	249,841	114,522	3,753	18,054	-
East Gojam	65,055	221,584	44,685	*	13,306	-
West Gojam	92,624	131,456	70,912	*	9,191	-
Waghamera	23,489	8,735	39,836	-	1,322	-
Awi	41,373	91,317	28,784	*	1,793	-
Oromia	28,240	4,062	35,990	*	1,985	-
Oromia	1,707,674	1,768,179	1,181,118	48,424	86,953	16,454
West Wellega	87,440	64,425	24,396	-	3,129	-
East Wellega	121,392	106,882	44,795	3,242	10,566	-
Illubabor	73,673	82,617	18,263	1,873	*	-
Jimma	155,648	168,914	46,670	5,073	*	-
West Shewa	137,253	221,929	61,188	4,938	4,725	-
North Shewa	97,365	238,209	34,631	3,887	9,604	*
East Shewa	123,905	69,193	147,942	*	15,834	*
Arsi	210,621	390,885	99,782	11,514	15,867	*
West Harerghe	80,132	41,408	154,252	-	6,049	*
East Harerghe	103,488	48,851	126,031	*	1,509	*
Bale	179,246	182,847	140,641	10,019	7,629	*
Borena	164,760	45,786	171,734	*	1,768	5,923
South West Shewa	48,552	46,632	44,187	*	5,392	-
Guji	124,198	59,603	66,606	2,829	2,535	*

TABLE 3-17 – c CONT'D

Geographic Area	Calves	Lambs	Goat-Kids	Horses/Mules	Asses	Camels
Somale	60,691	87,315	125,505	650	3,041	13,239
Shinele	2,794	7,611	18,736	225	129	284
Jijiga	36,761	59,220	54,764	*	1,569	1,832
Liben	21,137	20,485	52,006	*	1,343	11,123
Benshangul-Gumuz	34,657	16,187	76,855	*	1,427	-
Metekel	25,044	8,804	24,421	-	*	-
Asosa	4,776	4,462	38,406	*	1,170	-
Kemeshi	4,837	2,921	14,028	-	106	-
S.N.N.P.R	884,450	714,924	483,930	8,924	7,966	*
Gurage	78,165	62,194	26,101	1,603	*	-
Hadiya	52,611	47,650	30,061	*	*	-
Kembata Tembaro	29,070	23,423	10,554	*	*	-
Sidama	199,054	59,994	30,525	*	*	-
Gedio	11,212	37,336	1,473	*	-	-
Wolayita	83,126	33,324	31,484	-	*	-
South Omo	69,862	93,179	154,506	597	*	*
Shaka	9,587	12,208	2,127	*	-	-
Kaffa	66,343	90,062	22,746	1,416	*	-
Gamo Gofa	104,126	87,994	53,687	1,832	*	-
Bench Maji	41,213	38,659	9,219	-	-	-
Yem Sp. Wereda	3,361	5,397	3,319	*	88	-
Amaro Sp. Wereda	9,508	11,777	9,813	260	*	-
Burji Sp. Wereda	2,312	331	4,564	-	243	-
Konso Sp. Wereda	8,897	13,377	24,765	-	286	-
Derashe Sp. Wereda	7,541	2,059	10,477	-	*	-
Dawro	37,321	24,642	10,021	*	-	-
Basketo Sp. Wereda	2,669	2,322	601	*	-	-
Konta Sp. Wereda	7,342	2,927	1,578	-	-	-
Silte	48,374	56,909	32,201	*	1,904	-
Alaba Sp. Wereda	12,757	9,161	14,107	*	841	*
Harari	3,884	626	5,976	*	249	*
Hundene	3,884	626	5,976	*	249	*
Addis Ababa	1,284	1,576	824	*	61	-
Zone 3	924	1,103	512	*	*	-
Zone 6	360	473	312	-	43	-
Dire Dawa	4,602	10,824	28,150	-	448	271

TABLE 3-18: POULTRY INVENTORY BY TYPE, ZONE, AND REGION
a. Both Indigenous and Exotic Breeds

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens
Ethiopia	30,868,525	3,099,246	1,538,496	3,237,216	1,183,151	11,604,879	10,205,537
Tigray	3,180,235	280,458	231,157	357,240	206,126	1,225,187	880,067
North West Tigray	741,796	52,012	59,107	91,767	66,553	330,371	141,986
Central Tigray	920,315	84,220	79,414	102,734	41,300	329,623	283,022
Eastern Tigray	400,525	40,926	26,194	51,039	21,259	85,051	176,058
Southern Tigray	731,976	80,736	36,335	74,141	58,750	286,877	195,137
Western Tigray	385,623	22,564	30,107	37,560	18,264	193,264	83,864
Afar	38,315	2,957	2,172	4,231	1,379	15,300	12,276
Zone 1	504	163	*	*	*	*	130
Zone 3	37,812	2,794	2,128	4,161	1,367	15,215	12,146
Amhara	8,442,238	899,483	367,978	790,077	300,549	3,192,642	2,891,509
North Gonder	1,767,549	115,202	116,285	174,143	51,643	825,164	485,112
South Gonder	895,859	54,339	26,547	73,701	24,468	390,162	326,642
North Wolo	1,010,275	188,452	35,173	93,238	41,550	392,215	259,647
South Wolo	1,412,039	268,759	43,268	108,078	54,389	337,359	600,187
North Shewa	1,092,973	112,114	48,868	92,807	39,468	347,473	452,243
East Gojam	535,450	44,069	10,611	53,650	29,598	151,679	245,844
West Gojam	911,939	51,520	31,574	93,755	30,607	399,600	304,884
Waghamera	222,864	17,080	14,740	29,983	11,224	99,882	49,954
Awi	345,929	21,827	23,336	40,965	12,737	137,225	109,839
Oromia	247,362	26,121	17,578	29,757	4,865	111,884	57,158
Oromia	11,637,074	1,224,477	548,093	1,330,149	442,328	4,077,350	4,014,677
West Wellega	1,313,802	139,545	53,553	102,235	42,260	614,662	361,548
East Wellega	765,614	84,948	29,085	72,597	47,501	331,822	199,662
Illubabor	674,094	78,554	18,828	42,825	22,547	290,140	221,198
Jimma	1,193,801	122,350	43,448	78,679	31,595	491,204	426,526
West Shewa	926,698	104,710	32,409	109,415	40,674	296,651	342,838
North Shewa	527,863	46,868	11,169	90,891	19,303	116,585	243,048
East Shewa	1,047,214	92,044	67,924	150,364	35,105	344,090	357,685
Arsi	1,324,716	143,474	74,507	159,127	55,309	350,992	541,308
West Harerghe	811,975	79,041	45,829	135,762	20,614	263,786	266,943
East Harerghe	1,040,618	108,759	63,573	142,773	44,161	303,338	378,014
Bale	591,280	69,589	45,953	59,880	18,865	177,055	219,937
Borena	430,130	48,312	22,496	50,201	17,526	159,750	131,845
South West Shewa	504,175	41,477	15,300	65,483	25,132	177,023	179,759
Guji	485,095	64,806	24,018	69,915	21,737	160,253	144,366

TABLE 3-18 – a CONT'D

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens
Somale	154,669	21,374	9,182	18,668	8,033	36,402	61,009
Shinele	6,336	834	412	807	156	1,830	2,295
Jijiga	109,598	16,824	6,693	13,505	5,580	23,388	43,608
Liben	38,735	3,715	2,078	4,356	2,297	11,184	15,106
Benshangul-Gumuz	732,273	58,238	44,467	78,263	19,429	361,710	170,168
Metekel	270,051	19,677	18,253	29,482	7,314	130,340	64,985
Asosa	351,713	28,733	18,141	34,435	8,960	179,153	82,291
Kemeshi	110,509	9,828	8,073	14,345	3,155	52,217	22,891
S.N.N.P.R	6,586,142	600,555	330,061	646,799	201,399	2,672,827	2,134,500
Gurage	462,184	43,104	13,685	45,844	10,101	167,954	181,497
Hadiya	674,286	57,024	19,853	62,565	6,949	336,166	191,729
Kembata Tembaro	272,045	13,446	7,558	29,609	6,719	117,644	97,069
Sidama	981,155	76,128	31,393	86,401	23,358	383,717	380,158
Gedio	262,507	30,551	14,356	27,143	6,248	100,124	84,085
Wolayita	887,974	71,530	70,264	111,021	41,715	371,358	222,085
South Omo	296,617	32,864	18,652	32,085	7,504	113,043	92,470
Shaka	118,327	7,390	6,276	9,796	1,325	55,989	37,551
Kaffa	510,848	54,203	30,912	40,351	20,999	203,475	160,908
Gamo Gofa	538,993	63,259	36,285	61,667	27,134	175,069	175,578
Bench Maji	482,656	40,208	30,678	44,688	19,707	219,342	128,033
Yem Sp. Wereda	25,926	2,192	664	1,442	675	9,920	11,034
Amaro Sp. Wereda	59,565	6,968	3,152	6,961	811	23,030	18,642
Burji Sp. Wereda	23,304	2,529	1,505	2,281	544	9,078	7,367
Konso Sp. Wereda	84,049	9,224	5,866	8,314	6,417	29,443	24,785
Derashe Sp. Wereda	72,567	11,073	3,819	6,645	3,173	27,413	20,444
Dawro	152,647	18,124	10,652	10,948	3,472	53,852	55,599
Basketo Sp. Wereda	33,182	4,439	1,908	3,340	1,063	12,276	10,157
Konta Sp. Wereda	57,573	6,529	3,655	5,485	2,440	23,262	16,202
Silte	462,240	38,738	13,832	36,442	7,594	181,409	184,225
Alaba Sp. Wereda	127,494	11,031	5,097	13,770	3,452	59,263	34,880
Harari	31,426	3,704	2,351	4,011	1,517	9,235	10,609
Hundene	31,426	3,704	2,351	4,011	1,517	9,235	10,609
Addis Ababa	21,417	2,361	949	3,138	283	4,876	9,810
Zone 3	14,874	1,854	521	2,388	234	3,068	6,809
Zone 6	6,544	507	428	750	50	1,808	3,001
Dire Dawa	44,736	5,640	2,086	4,641	2,106	9,351	20,912

b. Indigenous Breeds

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens
Ethiopia	30,196,586	3,023,695	1,521,937	2,988,838	1,149,547	11,542,934	9,969,634
Tigray	3,103,579	266,144	228,212	346,909	198,838	1,218,153	845,322
North West Tigray	733,006	51,156	57,851	90,163	65,082	328,209	140,544
Central Tigray	892,486	78,621	79,162	99,708	40,038	326,118	268,838
Eastern Tigray	382,447	37,631	25,282	48,340	20,849	84,051	166,293
Southern Tigray	710,317	76,238	35,810	71,139	54,760	286,512	185,860
Western Tigray	385,324	22,498	30,107	37,560	18,109	193,264	83,787
Afar	38,095	2,957	2,172	4,231	1,286	15,266	12,183
Zone 1	504	163	*	*	*	*	130
Zone 3	37,591	2,794	2,128	4,161	1,274	15,182	12,052
Amhara	8,329,377	876,499	364,220	774,230	297,709	3,177,233	2,839,487
North Gonder	1,744,967	112,837	113,622	171,840	51,643	820,615	474,410
South Gonder	887,272	52,774	26,146	72,898	24,468	387,449	323,537
North Wolo	1,005,884	187,911	35,173	93,238	40,992	392,215	256,355
South Wolo	1,373,379	258,776	43,268	100,736	53,586	336,540	580,473
North Shewa	1,085,300	109,911	48,868	91,491	39,468	346,527	449,035
East Gojam	525,248	40,904	10,269	53,650	28,511	151,679	240,236
West Gojam	896,939	50,106	31,220	90,478	30,215	394,507	300,414
Waghamera	219,812	16,039	14,740	29,519	11,224	98,592	49,698
Awi	343,951	21,303	23,336	40,623	12,737	137,225	108,727
Oromia	246,625	25,938	17,578	29,757	4,865	111,884	56,603
Oromia	11,204,140	1,197,528	540,249	1,115,644	420,488	4,045,025	3,885,205
West Wellega	1,311,848	138,566	52,931	102,235	42,260	614,662	361,194
East Wellega	760,153	83,725	28,718	72,597	47,172	329,654	198,289
Illubabor	667,688	77,479	18,554	41,120	21,999	290,140	218,396
Jimma	1,190,483	121,359	43,448	78,679	31,595	491,204	424,199
West Shewa	873,221	102,497	32,071	75,758	38,056	293,352	331,487
North Shewa	432,127	42,349	10,918	29,045	14,026	110,481	225,308
East Shewa	975,121	90,175	63,569	102,350	33,050	341,083	344,893
Arsi	1,285,657	137,705	74,507	153,943	53,094	349,651	516,758
West Harerghe	786,633	78,079	45,829	120,308	16,802	263,786	261,829
East Harerghe	1,000,971	106,247	63,573	122,079	42,410	302,590	364,072
Bale	561,618	67,305	45,225	58,106	17,274	173,370	200,338
Borena	419,373	47,203	22,496	47,338	17,526	159,750	125,059
South West Shewa	458,977	40,034	14,392	43,388	24,751	165,050	171,362
Guji	480,270	64,806	24,018	68,700	20,473	160,253	142,020

TABLE 3-18 – b CONT'D

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens
Somale	154,059	21,365	9,182	18,136	8,033	36,402	60,941
Shinele	6,300	826	412	807	156	1,830	2,269
Jijiga	109,598	16,824	6,693	13,505	5,580	23,388	43,608
Liben	38,160	3,715	2,078	3,823	2,297	11,184	15,064
Benshangul-Gumuz	729,501	57,833	44,246	77,945	19,322	361,018	169,138
Metekel	268,475	19,375	18,032	29,294	7,235	130,340	64,200
Asosa	351,641	28,733	18,141	34,435	8,960	179,153	82,220
Kemeshi	109,384	9,725	8,073	14,216	3,126	51,525	22,718
S.N.N.P.R	6,543,614	589,906	328,294	640,990	199,994	2,666,375	2,118,056
Gurage	454,984	40,728	13,685	45,844	9,813	167,954	176,961
Hadiya	672,098	56,300	19,604	62,316	6,949	336,166	190,763
Kembata Tembaro	266,705	13,180	7,430	28,166	6,591	115,721	95,617
Sidama	977,672	76,128	31,393	86,401	22,910	382,361	378,478
Gedio	259,277	30,200	14,000	26,651	6,061	100,124	82,240
Wolayita	886,281	71,004	70,264	111,021	41,715	370,760	221,516
South Omo	295,419	32,428	18,652	32,002	7,386	113,043	91,908
Shaka	117,561	7,266	6,165	9,685	1,325	55,989	37,130
Kaffa	506,898	52,807	30,516	39,111	20,999	203,475	159,990
Gamo Gofa	533,126	61,694	36,285	61,033	27,134	172,779	174,200
Bench Maji	481,792	39,938	30,678	44,390	19,707	219,194	127,885
Yem Sp. Wereda	25,710	2,145	664	1,442	675	9,800	10,984
Amaro Sp. Wereda	59,480	6,926	3,152	6,961	811	23,030	18,600
Burji Sp. Wereda	23,273	2,514	1,505	2,281	544	9,078	7,352
Konso Sp. Wereda	83,828	9,169	5,866	8,204	6,417	29,443	24,730
Derashe Sp. Wereda	72,260	10,898	3,819	6,645	3,173	27,413	20,312
Dawro	152,355	18,029	10,554	10,849	3,472	53,852	55,599
Basketo Sp. Wereda	32,894	4,329	1,854	3,304	1,046	12,258	10,104
Konta Sp. Wereda	57,469	6,502	3,655	5,485	2,416	23,262	16,150
Silte	459,933	37,475	13,832	36,269	7,594	181,409	183,355
Alaba Sp. Wereda	124,599	10,247	4,721	12,931	*	59,263	34,180
Harari	31,112	3,600	2,328	3,988	1,517	9,235	10,443
Hundene	31,112	3,600	2,328	3,988	1,517	9,235	10,443
Addis Ababa	19,070	2,316	949	2,124	254	4,876	8,550
Zone 3	12,555	1,809	521	1,374	210	3,068	5,573
Zone 6	6,515	507	428	750	*	1,808	2,977
Dire Dawa	44,040	5,547	2,086	4,641	2,106	9,351	20,309

c. Exotic Breeds

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens
Ethiopia	671,939	75,551	16,559	248,378	33,604	61,945	235,903
Tigray	76,656	14,313	2,945	10,331	7,288	7,033	34,745
North West Tigray	*	*	*	*	*	*	1,442
Central Tigray	27,829	5,599	*	3,026	*	*	14,184
Eastern Tigray	18,079	*	*	2,698	*	*	9,764
Southern Tigray	21,659	4,498	*	3,002	*	*	9,277
Western Tigray	*	*	-	-	*	-	*
Afar	*	-	-	-	*	*	*
Zone 1	-	-	-	-	-	-	-
Zone 3	*	-	-	-	*	*	*
Amhara	112,861	22,984	*	15,847	2,840	15,410	52,022
North Gonder	22,582	2,365	*	*	-	*	10,703
South Gonder	8,587	1,565	*	*	-	*	3,106
North Wolo	4,390	*	-	-	*	-	3,292
South Wolo	38,660	9,983	-	*	*	*	19,713
North Shewa	7,673	2,203	-	*	-	*	*
East Gojam	10,201	3,164	*	-	*	-	5,608
West Gojam	15,000	*	*	*	*	*	*
Waghamera	3,051	1,042	-	*	-	*	*
Awi	*	*	-	*	-	-	*
Oromia	*	*	-	-	-	-	*
Oromia	432,934	26,949	7,844	214,504	21,840	32,325	129,472
West Wellega	*	*	*	-	-	-	*
East Wellega	*	*	*	-	*	*	*
Illubabor	6,405	*	*	*	*	-	2,802
Jimma	*	*	-	-	-	-	*
West Shewa	53,476	*	*	33,657	*	*	11,351
North Shewa	95,737	4,520	*	61,846	*	*	17,740
East Shewa	72,092	*	*	48,014	*	*	12,792
Arsi	39,059	5,769	-	*	*	*	24,550
West Harerghe	25,342	*	-	15,454	*	-	5,114
East Harerghe	39,648	2,512	-	20,695	*	*	13,942
Bale	29,662	2,284	*	*	*	*	19,598
Borena	10,757	*	-	2,863	-	-	6,786
South West Shewa	45,198	1,443	*	22,096	*	*	8,397
Guji	4,825	-	-	*	*	-	2,346

TABLE 3 -18 – c CONT'D

Geographic Area	Total Poultry	Cocks	Cockerels	Pullets	Non-Laying Hens	Chicks	Laying Hens
Somale	*	9		*			*
Shinele	35	9					26
Jijiga	-	-					-
Liben	*	-		*			*
Benshangul-Gumuz	2,772	405	*	*	*	*	*
Metekel	*	*	*	*	*	-	*
Asosa	*	-	-	-	-	-	*
Kemeshi	*	*		*	*	*	*
S.N.N.P.R	42,528	10,649	1,768	5,809	1,406	*	16,444
Gurage	7,200	2,377			*	-	4,536
Hadiya	*	*	*	*		-	*
Kembata Tembaro	*	*	*	*	*	*	1,453
Sidama	*	-			*	*	1,680
Gedio	3,230	*	*	*	*	-	*
Wolayita	*	*				*	*
South Omo	1,198	436		*	*	-	*
Shaka	766	*	*	*		-	421
Kaffa	3,950	1,396	*	*		-	917
Gamo Gofa	*	*		*		*	1,378
Bench Maji	*	*		*		*	*
Yem Sp. Wereda	*	*				*	*
Amaro Sp. Wereda	*	*				-	*
Burji Sp. Wereda	*	*				-	*
Konso Sp. Wereda	*	*		*		-	*
Derashe Sp. Wereda	307	175				-	*
Dawro	*	*	*	*		-	-
Basketo Sp. Wereda	288	110	*	*	*	*	*
Konta Sp. Wereda	*	*			*	-	*
Silte	2,307	1,264		*		-	870
Alaba Sp. Wereda	2,895	784	376	840	*	-	700
Harari	314	*	*	*		-	*
Hundene	314	*	*	*		-	*
Addis Ababa	*	*		*	*	-	*
Zone 3	*	*		*	*	-	*
Zone 6	*	-			*	-	*
Dire Dawa	697	*				-	603

TABLE 3-19: BEEHIVE INVENTORY AND PRODUCTION OF HONEY BY TYPE, ZONE, AND REGION

Geographic Area	All Beehives		Traditional Beehives			Intermediate Beehives			Modern Beehives		
	Number of hives	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production
Ethiopia	4,546,244	30,381,461	4,515,257	1.43	30,059,240	17,647	1.66	88,647	13,341	1.37	233,574
Tigray	204,803	1,658,712	198,054	1.4	1,574,796	*	*	*	5,942	1.23	77,520
North West Tigray	30,718	278,251	30,059	1.5	255,454	-	-	-	*	*	*
Central Tigray	57,427	574,639	56,765	1.24	568,018	-	-	-	*	*	*
Eastern Tigray	30,584	271,854	27,942	1.55	237,977	-	-	-	2,643	1.11	*
Southern Tigray	58,634	267,560	55,850	1.24	246,938	*	*	*	1,977	1.1	14,225
Western Tigray	27,439	266,409	27,439	1.73	266,409	-	-	-	-	-	-
Afar	8,104	2,894	8,104	1.62	2,894	-	-	-	-	-	-
Zone 1	*	NR	*	NR	NR	-	-	-	-	-	-
Zone 3	637	2,894	637	1.62	2,894	-	-	-	-	-	-
Amhara	919,449	6,342,244	917,039	1.38	6,306,478	*	*	*	*	*	*
North Gonder	188,570	1,197,496	188,570	1.39	1,197,496	-	-	-	-	-	-
South Gonder	146,324	577,267	145,541	1.19	576,875	*	*	*	-	-	-
North Wolo	68,840	453,029	68,840	1.39	453,029	-	-	-	-	-	-
South Wolo	133,802	770,370	133,802	1.45	770,370	-	-	-	-	-	-
North Shewa	49,161	350,419	49,161	1.33	350,419	-	-	-	-	-	-
East Gojam	58,454	540,077	58,454	1.74	540,077	-	-	-	-	-	-
West Gojam	157,732	1,638,651	157,732	1.31	1,638,651	-	-	-	-	-	-
Waghamera	49,237	294,763	48,428	1.12	292,902	*	*	*	*	*	*
Awi	54,825	455,844	54,005	1.46	422,332	-	-	-	*	*	*
Oromia	12,506	64,326	12,506	1.53	64,326	-	-	-	-	-	-
Oromia	2,513,791	16,213,246	2,494,946	1.39	16,058,018	*	1.44	53,386	*	*	*
West Wellega	476,750	2,419,454	476,750	1.21	2,419,454	-	-	-	-	-	-
East Wellega	183,162	599,897	182,857	1.1	597,458	*	*	*	-	-	-
Illubabor	881,586	8,000,441	881,160	1.39	7,991,064	-	-	-	*	*	*
Jimma	365,506	1,376,762	350,714	1.38	1,256,852	*	*	*	*	*	*
West Shewa	88,673	729,779	88,673	1.41	729,779	-	-	-	-	-	-
North Shewa	37,705	265,240	37,229	1.44	253,324	*	*	*	-	-	-
East Shewa	25,585	137,253	25,585	1.62	137,253	-	-	-	-	-	-
Arsi	65,906	374,901	65,906	1.42	374,901	-	-	-	-	-	-
West Harerghe	53,911	442,491	53,911	1.72	442,491	-	-	-	-	-	-
East Harerghe	28,581	163,849	25,737	1.45	152,264	*	*	*	-	-	-
Bale	108,443	523,079	108,443	1.39	523,079	-	-	-	-	-	-
Borena	40,114	162,806	40,114	1.43	162,806	-	-	-	-	-	-
South West Shewa	37,793	163,164	37,793	1.66	163,164	-	-	-	-	-	-
Guji	120,076	854,130	120,076	1.41	854,130	-	-	-	-	-	-

TABLE 3-19 CONT'D

Geographic Area	All Beehives		Traditional Beehives			Intermediate Beehives			Modern Beehives		
	Number of hives	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production	Number of hives	Avg. frequency of production	Total annual honey production
Somale	5,327	*	5,327	1.92	*	-	-	-	-	-	-
Shinele	39	438	39	4.07	438	-	-	-	-	-	-
Jijiga	5,225	*	5,225	1.9	*	-	-	-	-	-	-
Liben	*	*	*	*	*	-	-	-	-	-	-
Benshangul-Gumuz	166,130	895,852	165,324	1.39	884,417	*	*	*	*	*	*
Metekel	91,618	740,192	91,618	1.58	740,192	-	-	-	-	-	-
Asosa	57,179	106,621	56,372	1.15	95,186	*	*	*	*	*	*
Kemeshi	17,334	49,040	17,334	1.04	49,040	-	-	-	-	-	-
S.N.N.P.R	726,962	5,200,253	724,783	1.64	5,164,377	*	*	*	913	*	*
Gurage	36,943	146,946	36,943	1.87	146,946	-	-	-	-	-	-
Hadiya	32,658	482,147	32,427	2.17	481,221	-	-	-	*	*	*
Kembata Tembaro	20,487	122,499	20,487	1.82	122,499	-	-	-	-	-	-
Sidama	33,866	160,638	33,866	1.53	160,638	-	-	-	-	-	-
Gedio	17,823	109,150	17,823	1.27	109,150	-	-	-	-	-	-
Wolayita	18,780	99,025	17,700	2.48	90,226	*	*	*	*	*	*
South Omo	66,145	549,579	66,023	1.66	538,585	*	*	*	-	-	-
Shaka	76,940	409,807	76,727	1.1	408,054	*	*	*	*	*	*
Kaffa	211,835	1,082,892	211,835	1.11	1,082,892	-	-	-	-	-	-
Gamo Gofa	*	288,582	*	1.61	288,582	-	-	-	-	-	-
Bench Maji	44,775	945,484	44,775	2.49	945,484	-	-	-	-	-	-
Yem Sp. Wereda	6,065	72,427	5,917	1.67	71,832	*	*	*	*	*	*
Amaro Sp. Wereda	4,195	26,966	4,195	1.32	26,966	-	-	-	-	-	-
Burji Sp. Wereda	2,562	20,915	2,562	1.5	20,915	-	-	-	-	-	-
Konso Sp. Wereda	9,471	81,328	9,471	1.65	81,328	-	-	-	-	-	-
Derashe Sp. Wereda	4,500	36,825	4,500	1.67	36,825	-	-	-	-	-	-
Dawro	42,128	*	42,128	1.38	*	-	-	-	-	-	-
Basketo Sp. Wereda	1,435	10,484	1,435	1.35	10,484	-	-	-	-	-	-
Konta Sp. Wereda	7,286	39,180	7,286	1.51	39,180	-	-	-	-	-	-
Silte	17,516	162,330	17,133	1.67	149,520	*	*	*	*	*	*
Alaba Sp. Wereda	2,804	19,130	2,804	1.54	19,130	-	-	-	-	-	-
Harari	667	2,897	667	1.59	2,897	-	-	-	-	-	-
Hundene	667	2,897	667	1.59	2,897	-	-	-	-	-	-
Addis Ababa	173	897	173	1.9	897	-	-	-	-	-	-
Zone 3	105	776	105	2.06	776	-	-	-	-	-	-
Zone 6	68	*	68	*	*	-	-	-	-	-	-
Dire Dawa	839	2,910	839	1.66	2,910	-	-	-	-	-	-

TABLE 3-20: NUMBER OF DAIRY ANIMALS, MILK PRODUCTION, AND LACTATION PERIOD BY ZONE AND REGION

Geographic Area	Number Of Dairy Cows	Number Of Milking Cows	Average Daily Milk Prod.	Average Lactation Period (Mn)	Total Milk Production (Lt)	Number Of Dairy Camels	Number Of Milking Camels	Average Daily Milk Prod.	Average Lactation Period (Mn)	Total Milk Production (Lt)
Ethiopia	5,896,408	8,048,148	1.233	7	2,138,979,647	137,830	107,162	3.537	9	109,684,978
Tigray	73,119	503,193	1.194	7	136,731,190	-	-	-	-	-
North West Tigray	*	136,893	1.425	7	45,423,248	-	-	-	-	-
Central Tigray	*	109,133	0.955	7	20,402,916	-	-	-	-	-
Eastern Tigray	11,359	53,298	1.055	6	10,455,966	-	-	-	-	-
Southern Tigray	13,168	119,350	1.167	8	33,529,962	-	-	-	-	-
Western Tigray	25,913	84,519	1.446	7	26,919,099	-	-	-	-	-
Afar	87,592	95,889	2.113	6	42,330,767	40,293	27,049	4.682	11	42,607,184
Zone 1	44,771	46,538	2.372	6	21,769,597	13,681	*	*	*	*
Zone 3	42,821	49,351	1.904	6	20,561,169	26,612	16,051	4.378	10	22,597,169
Amhara	527,545	1,634,271	1.192	6	405,327,484	-	-	-	-	-
North Gonder	131,526	347,643	1.379	7	99,644,559	-	-	-	-	-
South Gonder	126,355	193,285	1.092	7	51,692,358	-	-	-	-	-
North Wolo	71,086	148,030	1.336	6	39,161,604	-	-	-	-	-
South Wolo	81,926	243,874	1.399	6	65,114,180	-	-	-	-	-
North Shewa	24,676	138,651	1.119	6	29,051,911	-	-	-	-	-
East Gojam	21,930	130,445	0.822	7	24,130,693	-	-	-	-	-
West Gojam	31,979	214,940	0.954	7	46,710,335	-	-	-	-	-
Waghamera	6,075	48,528	1.255	6	11,156,230	-	-	-	-	-
Awi	5,737	109,145	1.116	7	25,371,621	-	-	-	-	-
Oromia	26,256	59,729	1.062	7	13,293,994	-	-	-	-	-
Oromia	2,610,491	3,633,003	1.249	7	985,577,404	42,809	51,499	3.18	9	32,270,820
West Wellega	124,151	205,374	1.307	7	67,834,123	-	-	-	-	-
East Wellega	119,046	243,994	0.962	8	55,445,174	-	-	-	-	-
Illubabor	92,590	149,074	1.026	8	34,919,256	-	-	-	-	-
Jimma	118,919	343,740	1.149	6	76,731,927	-	*	-	-	-
West Shewa	232,772	300,466	1.15	7	83,840,402	-	-	-	-	-
North Shewa	136,061	208,364	1.512	8	84,622,628	-	-	-	-	-
East Shewa	201,533	284,252	1.117	7	66,992,179	*	*	2.5	4	1,386,558
Arsi	372,770	463,972	1.373	7	132,280,009	*	*	*	*	*
West Harerghe	109,835	165,530	1.59	6	45,705,977	*	*	*	*	*
East Harerghe	178,640	226,752	1.576	7	72,954,833	*	*	*	*	*
Bale	478,709	408,896	1.081	6	84,076,509	*	*	2.613	7	2,550,308
Borena	101,680	279,119	1.291	7	84,120,080	6,038	17,550	3.351	11	17,654,591
South West Shewa	121,462	111,907	0.937	7	22,727,388	-	-	-	-	-
Guji	222,322	241,563	1.226	8	73,326,919	*	*	*	*	*

TABLE 3-20 CONT'D

Geographic Area	Number Of Dairy Cows	Number Of Milking Cows	Average Daily Milk Prod.	Average Lactation Period (Mn)	Total Milk Production (Lt)	Number Of Dairy Camels	Number Of Milking Camels	Average Daily Milk Prod.	Average Lactation Period (Mn)	Total Milk Production (Lt)
Somale	84,588	117,035	1.731	6	38,739,761	52,773	27,583	3.527	10	34,255,731
Shinele	4,949	4,549	1.622	5	1,148,469	1,424	732	2.241	9	380,850
Jijiga	58,992	73,034	1.642	5	18,814,407	5,209	4,471	2.843	8	3,033,688
Liben	20,648	39,453	1.991	8	18,776,886	46,140	22,380	3.877	11	30,841,192
Benshangul-Gumuz	35,996	63,943	1.232	6	17,149,900	-	-	-	-	-
Metekel	17,861	46,496	1.155	6	11,816,138	-	-	-	-	-
Asosa	9,845	8,920	1.315	7	2,650,481	-	-	-	-	-
Kemeshi	8,290	8,527	1.477	7	2,683,281	-	-	-	-	-
S.N.N.P.R	2,455,341	1,979,081	1.209	7	506,479,845	-	-	-	-	-
Gurage	270,796	194,109	0.982	7	39,396,719	-	-	-	-	-
Hadiya	164,477	145,258	1.134	7	347,844,94	-	-	-	-	-
Kembata Tembaro	85,010	81,483	1.347	7	24,583,821	-	-	-	-	-
Sidama	597,193	451,824	1.182	7	118,759,389	-	-	-	-	-
Gedio	21,924	23,436	1.106	6	45,966,28	-	-	-	-	-
Wolayita	264,609	199,800	1.358	7	62,050,821	-	-	-	-	-
South Omo	144,123	115,838	1.342	6	34,016,920	-	-	-	-	-
Shaka	23,205	21,739	1.608	7	7,014,199	-	-	-	-	-
Kaffa	141,284	139,811	1.46	6	38,395,616	-	-	-	-	-
Gamo Gofa	274,905	223,963	1.15	6	50,549,440	-	-	-	-	-
Bench Maji	106,387	94,318	1.615	6	32,239,570	-	-	-	-	-
Yem Sp. Wereda	8,681	7,649	0.927	7	1,547,503	-	-	-	-	-
Amaro Sp. Wereda	14,286	17,732	0.983	5	2,846,733	-	-	-	-	-
Burji Sp. Wereda	5,795	4,908	0.781	6	719,127	-	-	-	-	-
Konso Sp. Wereda	18,706	16,227	1.036	8	4,170,449	-	-	-	-	-
Derashe Sp. Wereda	12,689	13,637	1.179	7	3,505,262	-	-	-	-	-
Dawro	107,179	72,578	1.19	7	18,132,065	-	-	-	-	-
Basketo Sp. Wereda	6,840	5,390	0.912	6	925,401	-	-	-	-	-
Konta Sp. Wereda	19,518	14,448	1.17	6	3,027,573	-	-	-	-	-
Silte	135,114	105,792	0.974	6	18,740,935	-	-	-	-	-
Alaba Sp. Wereda	32,619	29,141	1.043	7	6,477,179	-	-	-	-	-
Harari	6,703	8,821	1.826	6	2,966,907	*	*	*	*	*
Hundene	6,703	8,821	1.826	6	2,966,907	*	*	*	*	*
Addis Ababa	1,072	3,116	1.67	6	1,131,247	-	-	-	-	-
Zone 3	522	2,401	1.694	7	910,521	-	-	-	-	-
Zone 6	549	715	1.605	6	220,727	-	-	-	-	-
Dire Dawa	13,962	9,796	1.62	5	2,545,140	1,328	734	2.006	8	349,056

TABLE 3-21: TOTAL EGG PRODUCTION BY ZONE, AND REGION

Geographic Area	Indigenous					Exotic				
	Total Laying Hens	Average Number of Egg-laying period/Year	Average Length of a Period	Average Number of Eggs /Hen /Period	Total Egg Production (Number)	Total Laying Hens	Average Number of Egg-laying period/Year	Average Length of a Period	Average Number of Eggs /Hen /Period	Total Egg Production (Number)
Ethiopia	9,969,634	4	20	12	97,458,301	235,903	1	126	119	5,325,790
Tigray	845,322	5	20	13	7,574,344	34,745	1	203	197	1,149,560
North West Tigray	140,544	3	16	12	921,776	1,442	1	*	*	*
Central Tigray	268,838	5	22	14	2,538,293	14,184	1	182	180	441,065
Eastern Tigray	166,293	6	21	13	1,873,876	9,764	1	266	262	*
Southern Tigray	185,860	5	20	13	1,829,043	9,277	1	175	159	218,379
Western Tigray	83,787	3	19	11	411,357	*	*	*	*	*
Afar	12,183	4	17	10	122,990	*	1	*	*	*
Zone 1	130	4	16	12	2,947	-	-	-	-	-
Zone 3	12,052	4	17	10	120,043	*	1	*	*	*
Amhara	2,839,487	5	20	12	25,469,113	52,022	1	97	90	753,589
North Gonder	474,410	3	18	11	2,212,203	10,703	1	*	*	77,896
South Gonder	323,537	3	20	11	1,591,440	3,106	1	25	24	12,603
North Wolo	256,355	5	21	11	2,087,682	3,292	*	181	180	80,043
South Wolo	580,473	6	22	12	5,161,008	19,713	1	98	88	286,646
North Shewa	449,035	5	20	11	3,607,532	*	*	*	*	*
East Gojam	240,236	6	21	13	5,240,693	5,608	1	160	144	218,638
West Gojam	300,414	4	20	13	3,304,636	*	1	*	*	*
Waghamera	49,698	5	20	11	473,540	*	*	*	*	*
Awı	108,727	4	20	13	1,311,067	*	1	*	*	*
Oromia	56,603	4	20	11	479,311	*	1	*	*	*
Oromia	3,885,205	5	20	12	43,245,311	129,472	1	122	116	2,888,105
West Wellega	361,194	3	20	11	2,687,123	*	*	*	*	*
East Wellega	198,289	3	19	11	1,477,825	*	1	*	*	*
Illubabor	218,396	3	18	10	1,006,946	2,802	1	119	119	43,614
Jimma	424,199	4	19	10	3,148,190	*	1	*	*	*
West Shewa	331,487	6	20	12	4,640,795	11,351	1	49	47	108,990
North Shewa	225,308	6	23	14	3,316,253	17,740	1	129	126	462,596
East Shewa	344,893	6	21	13	5,415,793	12,792	1	79	76	184,951
Arsi	516,758	5	22	13	7,660,183	24,550	1	117	100	445,369
West Harerghe	261,829	5	18	11	2,730,732	*	1	*	*	*
East Harerghe	364,072	4	19	11	3,457,468	13,942	1	107	99	*
Bale	200,338	4	22	13	2,848,873	19,598	1	146	143	492,332
Borena	125,059	4	17	12	1,053,329	6,786	1	154	153	243,214
South West Shewa	171,362	5	21	12	2,203,031	8,397	1	229	222	442,683
Guji	142,020	4	18	12	1,598,770	2,346	1	275	275	145,580

TABLE 3-21 CONT'D

Geographic Area	Indigenous					Exotic				
	Total Laying Hens	Average Number of Egg-laying period/Year	Average Length of a Period	Average Number of Eggs /Hen /Period	Total Egg Production (Number)	Total Laying Hens	Average Number of Egg-laying period/Year	Average Length of a Period	Average Number of Eggs /Hen /Period	Total Egg Production (Number)
Somale	60,941	5	15	12	1,097,621	*	1	276	276	8,352
Shinele	2,269	5	19	11	45,490	26	1	276	276	7,195
Jijiga	43,608	5	15	12	819,307	-	1	-	-	-
Liben	15,064	5	15	12	232,824	*	*	*	*	*
Benshangul-Gumuz	169,138	4	17	11	940,868	*	1	*	*	*
Metekel	64,200	4	17	11	399,962	*	1	*	*	*
Asosa	82,220	4	17	10	430,361	*	*	*	*	*
Kemeshi	22,718	3	18	10	110,546	*	1	28	27	*
S.N.N.P.R	2,118,056	4	18	11	18,644,298	16,444	1	119	109	422,758
Gurage	176,961	4	19	11	1,716,737	4,536	1	208	199	232,948
Hadiya	190,763	3	18	11	1,332,836	*	*	*	*	*
Kembata Tembaro	95,617	4	15	11	804,703	1,453	1	193	142	*
Sidama	378,478	5	19	11	4,531,571	*	1	*	*	*
Gedio	82,240	3	18	11	751,754	*	1	40	39	*
Wolayita	221,516	4	18	10	1,602,279	*	*	*	*	*
South Omo	91,908	4	20	11	922,732	*	*	*	*	*
Shaka	37,130	3	17	11	203,666	421	1	30	27	2,063
Kaffa	159,990	3	17	10	887,933	*	1	*	*	*
Gamo Gofa	174,200	4	20	11	2,111,346	1,378	1	34	33	22,291
Bench Maji	127,885	3	17	11	821,500	*	*	*	*	*
Yem Sp. Wereda	10,984	4	20	11	116,529	*	1	*	*	*
Amaro Sp. Wereda	18,600	4	19	12	210,861	*	*	*	*	*
Burji Sp. Wereda	7,352	4	19	11	66,115	*	1	*	*	*
Konso Sp. Wereda	24,730	5	18	10	285,735	*	*	*	*	*
Derashe Sp. Wereda	20,312	5	20	11	226,336	*	1	*	*	*
Dawro	55,599	4	16	9	577,876	-	1	-	-	-
Basketo Sp. Wereda	10,104	4	19	11	84,272	*	*	*	*	*
Konta Sp. Wereda	16,150	3	19	10	98,703	*	*	*	*	*
Silte	183,355	4	18	10	1,079,822	870	*	139	116	23,969
Alaba Sp. Wereda	34,180	4	19	10	210,994	700	1	50	46	4,073
Harari	10,443	4	19	11	92,702	*	*	*	*	*
Hundene	10,443	4	19	11	92,702	*	*	*	*	*
Addis Ababa	8,550	6	22	13	106,754	*	1	209	206	*
Zone 3	5,573	6	23	13	67,404	*	1	208	205	*
Zone 6	2,977	6	21	13	39,350	*	*	*	*	*
Dire Dawa	20,309	5	19	11	164,300	603	1	198	198	34,210

TABLE 3-22: ESTIMATED NUMBER OF LIVESTOCK VACCINATED BY ZONE AND REGION

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Ethiopia	9,203,910	1,188,213	1,286,347	444,171	19,103	*
Tigray	1,202,634	226,719	599,030	57,931	*	-
North West Tigray	213,547	16,572	153,854	*	*	-
Central Tigray	294,356	52,955	268,427	25,770	2,165	-
Eastern Tigray	200,039	88,836	39,070	13,089	-	-
Southern Tigray	434,310	64,097	121,105	14,411	*	-
Western Tigray	60,382	*	16,575	*	*	-
Afar	3,710	*	*	*	*	-
Zone 1	*	*	*	*	*	-
Zone 3	2,743	-	*	-	*	-
Amhara	1,508,500	563,844	238,714	87,203	*	-
North Gonder	230,019	45,958	*	18,390	*	-
South Gonder	139,322	24,984	9,417	7,347	-	-
North Wolo	101,248	*	31,040	*	-	-
South Wolo	266,603	178,399	61,297	*	-	-
North Shewa	143,324	97,329	*	*	-	-
East Gojam	282,649	166,677	*	27,656	-	-
West Gojam	149,319	21,244	*	4,449	-	-
Waghamera	35,203	2,851	11,701	*	-	-
Awi	102,963	3,782	-	6,102	-	-
Oromia	57,850	*	12,973	*	-	-
Oromia	4,452,571	273,994	205,830	271,907	*	-
West Wellega	321,299	*	-	8,963	-	-
East Wellega	256,636	*	*	29,514	-	-
Illubabor	280,439	*	-	7,130	-	-
Jimma	322,741	*	-	*	-	-
West Shewa	300,371	58,613	*	43,733	-	-
North Shewa	281,114	49,826	*	*	-	-
East Shewa	317,838	*	21,848	13,795	-	-
Arsi	685,784	77,639	*	96,810	-	-
West Harerghe	126,862	6,793	*	*	-	-
East Harerghe	89,543	8,919	10,072	3,737	-	-
Bale	576,587	27,578	*	31,541	-	-
Borena	499,751	*	*	*	*	-
South West Shewa	177,124	*	*	20,229	-	-
Guji	216,480	*	*	*	*	-

Note: Draught animals in this and the following tables refer to Horses, Asses, and Mules.

TABLE 3-22 CONT'D

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Somale	79,863	64,576	*	*	4,401	*
Shinele	4,608	4,726	13,621	205	294	-
Jijiga	39,767	*	13,126	*	*	-
Liben	35,489	*	*	*	*	*
Benshangul-Gumuz	91,217	*	5,199	1,583	-	-
Metekel	52,995	-	*	*	-	-
Asosa	20,126	*	*	*	-	-
Kemeshi	18,096	-	*	*	-	-
S.N.N.P.R	1,843,974	53,154	67,738	21,594	-	-
Gurage	233,591	*	*	2,898	-	-
Hadiya	136,150	*	*	1,620	-	-
Kembata Tembaro	77,164	*	*	2,350	-	-
Sidama	327,004	*	*	*	-	-
Gedio	15,152	*	-	1,152	-	-
Wolayita	187,757	*	*	*	-	-
South Omo	51,964	*	*	*	-	-
Shaka	44,164	4,773	*	-	-	-
Kaffa	125,344	*	-	4,324	-	-
Gamo Gofa	214,671	*	*	*	-	-
Bench Maji	118,584	5,774	*	474	-	-
Yem Sp. Wereda	22,504	*	*	*	-	-
Amaro Sp. Wereda	23,666	*	3,085	*	-	-
Burji Sp. Wereda	18,573	*	1,288	*	-	-
Konso Sp. Wereda	35,049	3,597	15,717	*	-	-
Derashe Sp. Wereda	18,613	*	2,638	*	-	-
Dawro	64,061	*	*	577	-	-
Basketo Sp. Wereda	9,392	579	*	*	-	-
Konta Sp. Wereda	20,515	674	*	-	-	-
Silte	60,582	*	*	2,070	-	-
Alaba Sp. Wereda	39,474	1,323	*	2,073	-	-
Harari	1,636	*	*	*	-	-
Hundene	1,636	*	*	*	-	-
Addis Ababa	9,293	*	-	*	-	-
Zone 3	5,943	-	-	*	-	-
Zone 6	3,350	*	-	*	-	-
Dire Dawa	10,511	4,799	15,334	*	*	-

TABLE 3-23: ESTIMATED NUMBER OF LIVESTOCK AFFLICTED/DISEASED BY ZONE AND REGION

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Ethiopia	5,015,949	2,862,193	2,491,327	473,329	44,727	7,197
Tigray	197,778	88,690	278,537	15,401	4,083	*
North West Tigray	69,558	9,745	104,105	3,647	*	*
Central Tigray	38,873	14,018	72,441	4,511	*	-
Eastern Tigray	13,814	39,975	15,982	2,282	-	-
Southern Tigray	38,679	20,646	54,013	2,433	*	*
Western Tigray	36,853	*	31,996	2,528	*	-
Afar	104,419	60,490	112,836	719	9,977	-
Zone 1	56,190	31,613	61,755	*	*	-
Zone 3	48,229	28,877	51,081	702	8,136	-
Amhara	963,985	993,863	726,630	121,866	912	5,066
North Gonder	199,988	84,308	204,561	18,609	-	-
South Gonder	108,798	104,939	80,682	15,552	-	-
North Wolo	50,672	100,236	47,613	5,044	-	-
South Wolo	82,463	238,525	197,338	16,416	*	4,258
North Shewa	59,520	129,044	69,615	11,691	-	-
East Gojam	124,232	191,746	26,437	32,845	-	-
West Gojam	185,759	91,941	25,199	8,418	-	*
Waghamera	28,314	4,257	33,873	2,795	-	-
Awi	81,659	45,290	24,158	9,215	-	-
Oromia	42,579	3,577	17,154	1,281	571	*
Oromia	2,456,360	1,107,109	763,855	258,641	20,906	-
West Wellega	309,576	43,600	17,416	26,565	-	-
East Wellega	316,070	55,996	16,873	25,739	*	-
Illubabor	227,060	71,971	18,035	11,984	-	-
Jimma	342,102	113,945	44,812	15,379	-	-
West Shewa	247,950	165,057	43,663	27,173	-	-
North Shewa	69,854	115,886	8,074	9,021	-	-
East Shewa	104,369	28,736	72,161	15,223	*	-
Arsi	167,003	203,186	72,084	47,031	*	-
West Harerghe	75,502	20,832	61,216	9,482	*	-
East Harerghe	93,688	21,472	56,495	6,923	-	-
Bale	187,247	120,689	94,631	27,714	*	-
Borena	102,361	72,851	158,268	6,341	12,059	-
South West Shewa	82,874	26,680	19,913	9,700	-	-
Guji	130,705	46,209	80,215	20,367	*	-

TABLE 3-23 CONT'D

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Somale	39,649	61,210	73,099	1,755	7,486	*
Shinele	4,012	7,211	13,384	410	608	*
Jijiga	17,105	36,205	27,981	733	*	-
Liben	18,532	17,794	31,734	*	5,245	*
Benshangul-Gumuz	110,727	16,933	86,602	7,241	-	-
Metekel	56,827	6,701	18,257	2,069	-	-
Asosa	41,289	6,405	52,670	3,608	-	-
Kemeshi	12,611	3,827	15,675	1,564	-	-
S.N.N.P.R	1,130,027	527,046	432,325	66,495	*	-
Gurage	73,592	20,287	7,704	3,269	-	-
Hadiya	62,848	14,155	17,734	6,059	-	-
Kembata Tembaro	31,870	10,037	5,031	3,525	-	-
Sidama	149,861	26,484	*	*	-	-
Gedio	11,644	21,988	*	5,229	-	-
Wolayita	154,990	11,015	15,600	6,294	-	-
South Omo	134,206	126,648	210,457	1,235	*	-
Shaka	9,732	8,250	975	*	-	-
Kaffa	76,547	78,262	13,007	7,348	-	-
Gamo Gofa	189,706	104,935	*	8,299	-	-
Bench Maji	38,437	24,118	3,793	1,393	-	-
Yem Sp. Wereda	4,903	2,286	1,112	205	-	-
Amaro Sp. Wereda	12,525	4,071	4,347	440	-	-
Burji Sp. Wereda	9,916	588	4,589	740	-	-
Konso Sp. Wereda	28,673	20,732	37,184	940	-	-
Derashe Sp. Wereda	15,664	2,574	10,059	1,211	-	-
Dawro	53,441	16,271	1,749	2,915	-	-
Basketo Sp. Wereda	2,347	1,093	312	*	-	-
Konta Sp. Wereda	18,311	3,534	2,330	485	-	-
Silte	34,582	24,292	9,262	3,491	-	-
Alaba Sp. Wereda	16,233	5,425	13,827	753	-	-
Harari	5,508	209	2,296	341	*	-
Hundene	5,508	209	2,296	341	*	-
Addis Ababa	1,531	609	186	281	*	-
Zone 3	1,041	422	*	164	-	-
Zone 6	489	187	*	117	*	-
Dire Dawa	5,964	6,035	14,959	589	592	-

TABLE 3-24: ESTIMATED NUMBER OF LIVESTOCK TREATED BY ZONE AND REGION

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Ethiopia	1,691,431	388,854	247,472	123,306	7,049	*
Tigray	89,304	20,708	100,076	4,732	1,239	-
North West Tigray	45,214	*	*	*	*	-
Central Tigray	17,317	*	15,747	1,422	*	-
Eastern Tigray	3,265	6,437	*	*	-	-
Southern Tigray	16,785	6,472	21,576	*	*	-
Western Tigray	6,722	*	8,303	*	*	-
Afar	2,834	1,804	2,919	*	*	-
Zone 1	232	*	*	*	*	-
Zone 3	2,603	1,427	2,508	-	*	-
Amhara	261,574	149,371	43,172	14,341	*	*
North Gonder	34,374	*	4,811	4,613	-	-
South Gonder	40,825	11,359	*	*	-	-
North Wolo	4,061	5,418	*	*	-	-
South Wolo	10,777	53,406	13,061	*	-	-
North Shewa	10,195	7,497	*	*	-	-
East Gojam	21,473	30,741	*	3,775	-	-
West Gojam	85,054	21,467	*	*	-	-
Waghamera	*	*	4,546	*	-	-
Awi	36,734	13,081	*	1,645	-	-
Oromia	8,101	*	*	-	*	*
Oromia	930,084	175,996	45,350	82,350	*	*
West Wellega	224,796	17,513	2,339	19,528	-	-
East Wellega	169,591	11,739	4,911	13,477	-	-
Illubabor	115,085	12,969	*	7,561	-	-
Jimma	*	*	*	*	-	*
West Shewa	31,822	*	*	4,160	-	-
North Shewa	15,829	22,506	-	947	-	-
East Shewa	22,626	*	*	2,851	-	-
Arsi	65,358	49,229	1,789	18,537	-	-
West Harerghe	6,114	*	*	*	-	-
East Harerghe	21,707	*	3,482	*	-	-
Bale	44,829	13,158	*	8,531	-	-
Borena	31,990	5,833	12,136	*	*	-
South West Shewa	31,460	-	*	2,983	-	-
Guji	9,527	*	*	*	-	-

TABLE 3-24 CONT'D

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Somale	5,154	9,206	*	-	*	*
Shinele	108	192	273	-	-	-
Jijiga	*	*	*	-	-	-
Liben	3,166	*	*	-	*	*
Benshangul-Gumuz	74,513	5,647	7,398	2,832	-	-
Metekel	36,730	2,322	2,217	1,004	-	-
Asosa	30,372	3,054	4,885	1,417	-	-
Kemeshi	7,412	271	*	411	-	-
S.N.N.P.R	324,683	25,643	30,553	18,796	*	-
Gurage	28,267	-	-	*	-	-
Hadiya	8,203	*	*	*	-	-
Kembata Tembaro	13,377	*	*	540	-	-
Sidama	42,357	*	*	*	-	-
Gedio	3,005	1,151	*	1,143	-	-
Wolayita	70,547	*	*	2,580	-	-
South Omo	*	*	*	*	*	-
Shaka	4,201	1,087	*	*	-	-
Kaffa	17,158	*	-	1,311	-	-
Gamo Gofa	34,018	4,816	*	1,146	-	-
Bench Maji	10,691	3,222	*	*	-	-
Yem Sp. Wereda	2,107	*	*	*	-	-
Amaro Sp. Wereda	5,833	*	*	*	-	-
Burji Sp. Wereda	6,658	341	1,170	180	-	-
Konso Sp. Wereda	17,692	2,016	5,767	*	-	-
Derashe Sp. Wereda	3,340	*	*	556	-	-
Dawro	18,041	918	-	1,399	-	-
Basketo Sp. Wereda	819	99	-	-	-	-
Konta Sp. Wereda	10,801	248	*	397	-	-
Silte	6,811	*	*	*	-	-
Alaba Sp. Wereda	787	-	*	-	-	-
Harari	1,655	*	*	137	-	-
Hundene	1,655	*	*	137	-	-
Addis Ababa	269	*	-	84	-	-
Zone 3	143	*	-	*	-	-
Zone 6	126	-	-	*	-	-
Dire Dawa	1,362	*	1,169	*	*	-

TABLE 3-25- a: ESTIMATED NUMBER OF LIVESTOCK DIED FROM DISEASE
BY ZONE AND REGION

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Ethiopia	2,551,492	2,210,005	1,851,059	286,668	24,248	*
Tigray	81,484	66,582	169,474	9,285	*	*
North West Tigray	16,920	5,364	45,048	2,009	*	*
Central Tigray	16,731	10,348	57,111	3,368	*	-
Eastern Tigray	8,713	34,144	10,589	1,905	-	-
Southern Tigray	21,327	14,189	37,920	*	*	-
Western Tigray	17,793	*	18,806	562	*	-
Afar	75,201	44,503	77,057	588	5,117	-
Zone 1	42,839	24,063	44,813	-	211	-
Zone 3	32,362	20,439	32,244	588	4,906	-
Amhara	505,907	775,379	559,910	86,561	*	*
North Gonder	99,003	70,310	146,265	11,037	-	-
South Gonder	51,765	81,135	68,471	11,352	-	-
North Wolo	27,532	86,198	36,466	4,135	-	-
South Wolo	59,496	190,492	147,059	12,788	*	*
North Shewa	32,144	99,055	65,403	9,024	-	-
East Gojam	66,729	137,081	18,180	23,583	-	-
West Gojam	101,471	70,111	20,999	6,662	-	*
Waghamera	16,538	3,378	24,540	*	-	-
Awi	29,044	34,985	18,638	5,223	-	-
Oromia	22,186	2,632	13,889	1,037	*	-
Oromia	1,278,304	868,757	599,285	150,080	12,244	-
West Wellega	101,263	24,671	9,909	10,794	-	-
East Wellega	161,700	50,553	13,091	16,982	*	-
Illubabor	101,242	56,289	14,021	5,537	-	-
Jimma	189,862	93,901	36,814	12,591	-	-
West Shewa	166,094	131,080	34,441	18,519	-	-
North Shewa	50,341	100,050	6,650	7,534	-	-
East Shewa	61,681	19,629	64,840	9,517	*	-
Arsi	80,972	141,350	62,805	21,460	*	-
West Harerghe	48,601	10,094	49,909	8,140	*	-
East Harerghe	51,715	18,587	47,092	3,248	-	-
Bale	111,630	98,893	66,907	15,575	-	-
Borena	41,388	59,275	106,460	3,514	4,280	-
South West Shewa	31,716	25,098	18,588	6,955	-	-
Guji	80,098	39,286	67,760	9,715	*	-

TABLE 3-25 – a CONT'D

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Somale	22,460	34,783	43,008	1,115	3,013	*
Shinele	3,327	6,086	10,445	349	510	*
Jijiga	7,443	20,212	18,836	*	*	-
Liben	11,691	8,486	13,727	*	*	*
Benshangul-Gumuz	27,179	10,654	65,846	2,997	-	-
Metekel	15,183	4,874	13,906	933	-	-
Asosa	6,628	2,900	41,010	1,154	-	-
Kemeshi	5,368	2,880	10,930	911	-	-
S.N.N.P.R	552,927	403,589	323,194	35,243	-	-
Gurage	38,855	13,740	7,183	1,568	-	-
Hadiya	44,981	11,790	10,093	4,864	-	-
Kembata Tembaro	13,781	5,802	2,431	2,712	-	-
Sidama	41,497	17,589	*	*	-	-
Gedio	3,739	11,106	*	1,672	-	-
Wolayita	50,322	8,485	13,022	2,305	-	-
South Omo	85,575	85,991	152,914	1,032	-	-
Shaka	4,206	5,815	823	*	-	-
Kaffa	55,840	75,763	12,395	4,869	-	-
Gamo Gofa	95,177	84,463	*	4,408	-	-
Bench Maji	21,463	19,889	2,677	*	-	-
Yem Sp. Wereda	2,785	1,848	1,014	*	-	-
Amaro Sp. Wereda	2,868	2,854	3,536	221	-	-
Burji Sp. Wereda	2,337	397	2,787	380	-	-
Konso Sp. Wereda	13,736	14,768	25,660	650	-	-
Derashe Sp. Wereda	10,082	2,334	8,310	301	-	-
Dawro	23,304	13,335	1,297	1,623	-	-
Basketo Sp. Wereda	959	724	*	*	-	-
Konta Sp. Wereda	9,930	3,104	1,942	198	-	-
Silte	19,819	19,489	8,892	2,169	-	-
Alaba Sp. Wereda	11,671	4,302	12,123	507	-	-
Harari	2,462	*	1,232	*	*	-
Hundene	2,462	*	1,232	*	*	-
Addis Ababa	984	452	186	202	*	-
Zone 3	803	337	*	104	-	-
Zone 6	180	115	*	98	*	-
Dire Dawa	4,586	5,239	11,866	*	395	-

TABLE 3-25- b: ESTIMATED NUMBER OF LIVESTOCK DIED FROM OTHER REASONS
BY ZONE AND REGION

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Ethiopia	851,380	724,949	766,667	107,142	15,176	*
Tigray	93,394	52,573	105,907	13,215	*	*
North West Tigray	22,251	*	26,189	1,238	-	-
Central Tigray	13,114	5,595	27,912	2,395	*	-
Eastern Tigray	8,823	30,356	10,376	2,302	*	-
Southern Tigray	30,877	10,449	27,817	5,997	-	*
Western Tigray	18,330	*	13,613	1,283	-	-
Afar	21,316	14,642	38,798	*	189	-
Zone 1	14,045	11,008	*	81	*	-
Zone 3	7,271	3,634	8,791	*	118	-
Amhara	247,303	350,531	265,729	42,673	*	-
North Gonder	34,181	*	26,518	7,223	-	-
South Gonder	33,263	24,750	54,746	4,621	-	-
North Wolo	30,478	35,104	28,889	*	*	-
South Wolo	38,181	171,736	62,578	6,108	-	-
North Shewa	26,010	42,913	27,270	7,637	-	-
East Gojam	29,782	20,093	*	4,721	-	-
West Gojam	25,991	18,568	14,407	*	-	-
Waghamera	10,840	2,616	21,895	1,608	-	-
Awi	10,825	8,129	5,033	3,950	-	-
Oromia	7,750	777	9,079	1,151	-	-
Oromia	323,048	187,293	227,847	40,866	12,954	-
West Wellega	14,084	11,564	1,354	*	*	-
East Wellega	23,906	11,962	5,302	3,346	-	-
Illubabor	12,130	9,715	3,513	*	*	-
Jimma	22,198	14,470	*	*	*	-
West Shewa	52,792	20,219	5,939	5,835	*	-
North Shewa	33,541	14,984	*	4,382	-	-
East Shewa	12,700	5,521	14,091	6,164	-	-
Arsi	32,282	35,919	*	5,654	-	-
West Harerghe	15,833	*	28,180	3,302	*	-
East Harerghe	17,697	11,392	30,895	*	*	-
Bale	31,395	15,352	39,824	4,252	-	-
Borena	32,212	16,441	44,230	1,100	*	-
South West Shewa	6,967	*	2,930	1,946	-	-
Guji	15,312	3,777	*	*	*	-

TABLE 3-25 – b CONT'D

Geographic Area	Cattle	Sheep	Goats	Draught Animals	Camels	Poultry
Somale	11,302	11,926	17,110	1,047	1,062	*
Shinele	1,818	2,679	6,005	210	200	-
Jijiga	3,406	5,886	4,739	493	-	-
Liben	6,079	3,361	6,366	*	*	*
Benshangul-Gumuz	5,285	3,305	9,036	*	-	-
Metekel	4,253	*	1,504	-	-	-
Asosa	561	1,296	3,458	*	-	-
Kemeshi	472	715	4,074	*	-	-
S.N.N.P.R	147,560	100,256	95,363	7,521	-	-
Gurage	17,797	6,028	3,695	*	-	-
Hadiya	18,726	3,137	6,968	*	-	-
Kembata Tembaro	5,447	1,327	*	-	-	-
Sidama	13,301	*	*	*	-	-
Gedio	792	1,785	*	*	-	-
Wolayita	9,902	*	*	-	-	-
South Omo	27,661	22,417	46,988	*	-	-
Shaka	1,307	2,852	*	*	-	-
Kaffa	3,237	12,656	1,367	*	-	-
Gamo Gofa	16,264	12,862	4,472	*	-	-
Bench Maji	4,053	5,412	*	*	-	-
Yem Sp. Wereda	590	361	*	-	-	-
Amaro Sp. Wereda	1,302	411	2,153	-	-	-
Burji Sp. Wereda	1,012	*	620	129	-	-
Konso Sp. Wereda	1,030	*	*	-	-	-
Derashe Sp. Wereda	1,232	-	1,168	*	-	-
Dawro	5,722	8,201	1,700	*	-	-
Basketo Sp. Wereda	566	171	*	*	-	-
Konta Sp. Wereda	780	853	*	*	-	-
Silte	15,330	8,927	2,801	900	-	-
Alaba Sp. Wereda	1,511	824	2,035	*	-	-
Harari	318	*	535	181	-	*
Hundene	318	*	535	181	-	*
Addis Ababa	308	339	123	61	-	-
Zone 3	248	182	*	*	-	-
Zone 6	61	158	*	49	-	-
Dire Dawa	1,544	4,016	6,221	*	316	-

TABLE 3 -26- a: NUMBER OF HOLDINGS BY SIZE OF CATTLE

Geographic Area	Holdings with no cattle	1-2 Head	3-4 Head	5-9 Head	10-19 Head	20-49 Head	50-99 Head	100-199 Head	>=200 Head
Ethiopia	2,317,120	3,105,291	2,902,997	2,365,147	517,581	82,133	5,673		*
Tigray	131,678	175,686	184,978	169,835	40,332	7,341	620		
North West Tigray	15,640	20,515	28,690	40,257	17,354	3,410	*		
Central Tigray	41,459	58,476	56,452	45,710	4,259	-	-		
Eastern Tigray	26,683	36,840	34,142	18,236	1,396	-	-		
Southern Tigray	40,933	52,375	52,957	45,648	7,232	*	-		
Western Tigray	6,962	7,480	12,736	19,985	10,091	2,473	*		
Afar	5,237	2,984	2,745	6,427	8,562	5,184	267	*	
Zone 1	1,271	495	1,032	2,866	4,219	2,174	200	*	
Zone 3	3,964	2,489	1,714	3,561	4,343	3,010	*	*	
Amhara	589,204	967,648	905,366	626,709	79,787	8,435	*		
North Gonder	84,612	118,547	108,262	109,807	20,564	4,100	-		
South Gonder	64,897	129,098	123,013	74,827	5,022	*	-		
North Wolo	49,484	103,588	99,951	50,433	4,284	-	-		
South Wolo	78,368	147,154	177,967	90,901	2,328	-	-		
North Shewa	86,613	121,553	108,869	65,373	3,076	*	-		
East Gojam	85,178	147,417	91,178	74,223	10,273	*	-		
West Gojam	64,871	113,863	122,272	86,859	18,478	*	-		
Waghamera	17,137	20,766	18,070	16,606	4,043	*	-		
Awı	41,810	46,600	37,423	37,097	7,823	*	*		
Oromia	16,234	19,063	18,361	20,582	3,896	*	-		
Oromia	947,728	1,124,642	1,009,894	1,031,709	314,010	49,026	2,225	*	
West Wellega	140,351	68,180	49,696	65,151	21,458	4,248	*		
East Wellega	70,415	49,513	53,270	78,078	28,346	4,645	-		
Illubabor	49,024	53,988	42,173	50,252	11,553	*	-		
Jimma	75,398	118,589	158,424	118,496	20,463	*	-		
West Shewa	87,527	80,360	71,099	98,334	29,642	4,645	-		
North Shewa	41,282	51,490	61,664	73,456	24,208	2,160	-		
East Shewa	87,185	89,180	76,098	74,296	24,739	2,214	*		
Arsi	115,815	110,256	129,629	160,095	45,483	4,699	-		
West Harerghe	66,645	120,489	84,419	38,675	2,976	*	-		
East Harerghe	72,931	207,191	109,406	31,387	*	-	-		
Bale	34,572	60,092	69,940	110,193	41,983	6,214	-		
Borena	24,588	26,963	21,986	40,370	24,661	10,194	*	*	
South West Shewa	31,753	52,206	49,007	47,776	9,986	*	-		
Guji	50,245	36,145	33,082	45,151	27,918	6,910	-		

TABLE 3- 26-a CONT'D

Geographic Area	Holdings with no cattle	1-2 Head	3-4 Head	5-9 Head	10-19 Head	20-49 Head	50-99 Head	100-199 Head	>=200 Head
Somale	21,290	23,297	23,112	24,795	10,990	1,693	*		
Shinele	2,494	1,272	1,182	724	238	136	9		
Jijiga	12,293	19,011	17,432	18,375	6,795	*	-		
Liben	6,502	3,014	4,498	5,696	3,957	1,342	*		
Benshangul-Gumuz	79,916	20,078	13,352	15,000	6,678	1,321	*	*	
Metekel	18,622	7,390	7,631	10,276	5,245	923	-	*	
Asosa	48,079	9,978	4,095	2,601	*	*	*		
Kemeshi	13,215	2,709	1,627	2,123	734	321	-		
S.N.N.P.R	534,153	775,706	754,776	486,367	56,374	9,034	2,229	*	
Gurage	31,441	68,126	94,071	62,990	3,349	-	-		
Hadiya	30,050	67,286	63,129	43,567	2,745	-	*		
Kembata Tembaro	25,533	47,939	42,110	13,450	*	-	-		
Sidama	103,131	178,318	142,281	77,358	15,212	*	-		
Gedio	94,954	41,253	11,000	2,626	*	-	-		
Wolayita	34,464	104,543	106,490	40,665	*	-	-		
South Omo	29,087	22,640	12,662	11,867	6,754	5,111	1,884	*	
Shaka	12,035	8,875	5,479	4,271	759	*	-		
Kaffa	28,152	39,554	45,377	40,186	4,673	*	-		
Gamo Gofa	53,701	69,441	78,029	68,665	4,557	*	-		
Bench Maji	21,211	34,575	36,103	21,257	1,882	-	-		
Yem Sp. Wereda	2,434	3,904	4,604	4,130	211	-	-		
Amaro Sp. Wereda	5,481	6,521	7,226	7,023	715	*	-		
Burji Sp. Wereda	2,338	1,609	1,796	2,117	833	80	-		
Konso Sp. Wereda	12,331	11,396	6,299	5,410	1,031	*	-		
Derashe Sp. Wereda	10,882	3,793	4,150	3,698	956	339	*		
Dawro	8,125	16,063	22,138	27,096	5,018	-	-		
Basketo Sp. Wereda	2,878	3,680	2,786	1,199	*	*	-		
Konta Sp. Wereda	1,635	4,194	5,687	4,919	350	-	-		
Silte	19,752	33,544	52,554	35,782	3,669	-	-		
Alaba Sp. Wereda	4,543	8,449	10,803	8,091	1,038	*	*		
Harari	3,331	6,864	3,485	953	255	*	-		
Hundene	3,331	6,864	3,485	953	255	*	-		
Addis Ababa	1,402	1,115	931	1,366	489	*	-		
Zone 3	938	598	599	903	386	*	-		
Zone 6	465	517	331	463	103	-	-		
Dire Dawa	3,181	7,271	4,357	1,988	*	*	-		

TABLE 3 -26- b: NUMBER OF HOLDINGS BY SIZE OF SHEEP

Geographic Area	Holdings with no Sheep	1-4 Head	5-9 Head	10-49 Head	50-99 Head	100-199 Head	200-499 Head	>=500 Head
Ethiopia	7,405,559	2,547,255	971,152	367,814	4,144	*	*	
Tigray	587,122	60,860	40,048	22,440	-	-	-	-
North West Tigray	116,747	4,444	2,777	2,414	-	-	-	-
Central Tigray	180,042	13,360	8,235	4,719	-	-	-	-
Eastern Tigray	63,189	25,505	18,295	10,308	-	-	-	-
Southern Tigray	170,821	15,827	9,520	4,436	-	-	-	-
Western Tigray	56,324	*	*	*	-	-	-	-
Afar	15,132	3,663	4,520	7,884	227	*	-	-
Zone 1	4,608	1,663	2,511	3,347	127	*	-	-
Zone 3	10,523	2,000	2,010	4,536	*	-	-	-
Amhara	2,056,850	592,296	359,497	167,128	1,593	-	-	-
North Gonder	364,413	47,794	22,153	11,532	-	-	-	-
South Gonder	261,537	80,991	43,476	11,227	-	-	-	-
North Wolo	221,416	44,901	21,531	19,601	*	-	-	-
South Wolo	267,013	70,714	98,858	59,811	*	-	-	-
North Shewa	232,217	72,243	43,199	37,157	*	-	-	-
East Gojam	221,812	103,383	66,440	17,736	-	-	-	-
West Gojam	257,385	111,114	33,442	5,110	-	-	-	-
Waghamera	67,232	5,527	3,140	1,154	-	-	-	-
Awi	95,128	47,299	26,263	3,478	-	-	-	-
Oromia	68,696	8,331	993	*	-	-	-	-
Oromia	2,903,286	1,052,287	398,435	124,872	*	*	-	-
West Wellega	261,829	68,515	18,261	*	-	-	-	-
East Wellega	187,464	69,252	24,508	3,043	-	-	-	-
Illubabor	104,811	80,254	21,596	1,305	-	-	-	-
Jimma	265,170	181,318	41,304	4,545	-	-	-	-
West Shewa	229,694	72,898	47,281	21,734	-	-	-	-
North Shewa	127,012	50,754	45,591	30,903	-	-	-	-
East Shewa	285,926	48,928	14,084	4,514	*	*	-	-
Arsi	282,755	158,063	91,775	33,384	-	-	-	-
West Harerghe	253,055	52,125	6,987	*	-	-	-	-
East Harerghe	328,115	81,619	11,352	*	-	-	-	-
Bale	201,444	65,101	41,187	15,262	-	-	-	-
Borena	106,042	32,365	7,931	4,192	-	-	-	-
South West Shewa	148,486	32,335	9,384	1,285	-	-	-	-
Guji	121,486	58,759	17,192	2,014	-	-	-	-

TABLE 3-26 - b CONT'D

Geographic Area	Holdings with no Sheep	1-4 Head	5-9 Head	10-49 Head	50-99 Head	100-199 Head	200-499 Head	>=500 Head
Somale	57,795	19,444	11,752	15,328	743	*	*	-
Shinele	2,859	1,426	623	1,087	60	-	-	-
Jijiga	41,854	13,899	7,406	10,451	*	*	*	-
Liben	13,081	4,119	3,723	3,790	*	*	-	-
Benshangul-Gumuz	116,226	15,831	4,141	265	-	-	-	-
Metekel	38,726	8,884	2,385	*	-	-	-	-
Asosa	60,569	4,379	642	-	-	-	-	-
Kemeshi	16,930	2,568	1,115	*	-	-	-	-
S.N.N.P.R	1,643,563	795,102	149,987	28,897	*	*	*	-
Gurage	169,798	74,162	14,875	1,142	-	-	-	-
Hadiya	115,397	85,743	5,887	-	-	-	-	-
Kembata Tembaro	79,388	47,512	2,128	*	-	-	-	-
Sidama	404,154	95,412	16,174	*	-	-	-	-
Gedio	97,562	44,240	7,971	*	-	-	-	-
Wolayita	196,653	89,832	1,630	-	-	-	-	-
South Omo	44,646	21,749	13,580	8,940	*	*	*	-
Shaka	17,923	9,996	2,983	*	-	-	-	-
Kaffa	63,916	73,199	20,056	960	-	-	-	-
Gamo Gofa	173,693	67,376	24,216	10,954	-	-	-	-
Bench Maji	60,092	46,157	8,779	-	-	-	-	-
Yem Sp. Wereda	7,919	5,910	1,366	*	-	-	-	-
Amaro Sp. Wereda	14,958	7,331	2,959	1,789	-	-	-	-
Burji Sp. Wereda	8,151	519	86	*	-	-	-	-
Konso Sp. Wereda	15,962	15,091	5,052	556	-	-	-	-
Derashe Sp. Wereda	19,723	3,314	696	*	-	-	-	-
Dawro	44,938	27,555	5,421	*	-	-	-	-
Basketo Sp. Wereda	6,166	4,142	291	*	-	-	-	-
Konta Sp. Wereda	9,904	6,219	634	*	-	-	-	-
Silte	71,633	59,202	13,699	767	-	-	-	-
Alaba Sp. Wereda	20,991	10,440	1,503	*	-	-	-	-
Harari	13,195	1,608	110	-	-	-	-	-
Hundene	13,195	1,608	110	-	-	-	-	-
Addis Ababa	4,032	693	408	191	-	-	-	-
Zone 3	2,566	463	245	171	-	-	-	-
Zone 6	1,467	230	163	*	-	-	-	-
Dire Dawa	8,361	5,471	2,253	810	*	-	-	-

TABLE 3 -26- c: NUMBER OF HOLDINGS BY SIZE OF GOATS

Geographic Area	Holdings with no Goats	1-4 Head	5-9 Head	10-49 Head	50-99 Head	100-199 Head	200-499 Head	>=500 Head
Ethiopia	8,358,526	1,887,913	730,143	309,350	8,463	2,042	403	
Tigray	438,260	99,969	97,956	73,491	*	-	-	-
North West Tigray	55,911	21,651	20,595	27,698	*	-	-	-
Central Tigray	106,500	37,701	38,188	23,700	*	-	-	-
Eastern Tigray	94,337	9,708	8,683	4,569	-	-	-	-
Southern Tigray	152,476	20,113	20,246	7,769	-	-	-	-
Western Tigray	29,035	10,795	10,244	9,757	-	-	-	-
Afar	7,997	3,563	3,500	14,836	1,093	*	*	-
Zone 1	2,897	1,244	1,581	5,840	*	*	-	-
Zone 3	5,101	2,319	1,918	8,996	530	*	*	-
Amhara	2,296,866	550,725	246,120	82,577	*	-	-	-
North Gonder	292,468	89,432	43,440	19,895	*	-	-	-
South Gonder	288,540	75,189	26,134	7,368	-	-	-	-
North Wolo	187,945	70,593	41,709	7,493	-	-	-	-
South Wolo	317,887	115,610	45,597	17,624	-	-	-	-
North Shewa	258,744	80,734	35,503	10,816	-	-	-	-
East Gojam	367,368	26,714	11,082	*	*	-	-	-
West Gojam	340,090	47,244	16,180	3,537	-	-	-	-
Waghamera	46,474	14,474	9,732	6,373	-	-	-	-
Awi	146,049	15,356	9,348	*	-	-	-	-
Oromia	51,300	15,379	7,395	4,206	*	-	-	-
Oromia	3,337,059	787,014	272,048	82,784	*	-	-	-
West Wellega	325,054	17,558	6,185	*	-	-	-	-
East Wellega	241,989	29,689	11,998	*	-	-	-	-
Illubabor	183,103	20,623	3,528	*	-	-	-	-
Jimma	413,573	67,818	9,107	1,839	-	-	-	-
West Shewa	311,968	38,401	16,790	4,448	-	-	-	-
North Shewa	223,362	21,476	8,932	*	-	-	-	-
East Shewa	255,146	58,146	28,354	12,105	*	-	-	-
Arsi	452,739	78,872	26,570	7,796	-	-	-	-
West Harerghe	149,182	115,904	42,387	6,123	-	-	-	-
East Harerghe	199,727	185,145	31,503	5,133	-	-	-	-
Bale	224,178	53,069	35,239	10,508	-	-	-	-
Borena	64,014	37,168	25,182	23,893	*	-	-	-
South West Shewa	149,957	28,613	9,969	2,951	-	-	-	-
Guji	143,068	34,531	16,306	*	-	-	-	-

TABLE 3- 26- c CONT'D

Geographic Area	Holdings with no Goats	1-4 Head	5-9 Head	10-49 Head	50-99 Head	100-199 Head	200-499 Head	>=500 Head
Somale	41,287	27,098	15,007	20,193	1,230	*	-	-
Shinele	1,519	1,248	972	1,958	295	63	-	-
Jijiga	31,672	21,646	10,512	10,124	*	-	-	-
Liben	8,095	4,204	3,523	8,111	*	*	-	-
Benshangul-Gumuz	87,789	28,273	15,172	5,229	-	-	-	-
Metekel	32,503	10,346	5,494	1,801	-	-	-	-
Asosa	42,207	14,524	6,874	1,985	-	-	-	-
Kemeshi	13,078	3,404	2,804	1,443	-	-	-	-
S.N.N.P.R	2,135,455	377,843	73,879	27,036	3,426	*	*	-
Gurage	221,233	31,934	5,574	*	-	-	-	-
Hadiya	166,572	34,522	5,419	*	-	-	-	-
Kembata Tembaro	108,496	19,680	1,119	-	-	-	-	-
Sidama	453,442	54,546	8,387	*	-	-	-	-
Gedio	145,136	4,515	*	-	-	-	-	-
Wolayita	241,219	38,746	7,595	*	-	-	-	-
South Omo	60,837	9,008	3,995	12,157	3,008	*	*	-
Shaka	28,383	2,815	426	*	-	-	-	-
Kaffa	125,101	29,855	3,042	*	-	-	-	-
Gamo Gofa	214,279	48,860	10,629	*	*	-	-	-
Bench Maji	102,313	10,684	1,741	*	-	-	-	-
Yem Sp. Wereda	10,285	3,875	1,123	-	-	-	-	-
Amaro Sp. Wereda	17,979	5,356	2,855	777	*	-	-	-
Burji Sp. Wereda	4,379	2,169	1,522	703	-	-	-	-
Konso Sp. Wereda	13,574	12,578	6,509	3,895	*	-	-	-
Derashe Sp. Wereda	12,958	6,215	3,367	1,319	-	-	-	-
Dawro	61,503	14,956	1,720	*	-	-	-	-
Basketo Sp. Wereda	9,372	923	304	*	-	-	-	-
Konta Sp. Wereda	13,308	3,290	187	-	-	-	-	-
Silte	107,269	32,339	4,629	1,064	-	-	-	-
Alaba Sp. Wereda	17,823	10,976	3,204	1,029	-	-	-	-
Harari	6,348	6,875	1,539	151	-	-	-	-
Hundene	6,348	6,875	1,539	151	-	-	-	-
Addis Ababa	4,657	356	247	64	-	-	-	-
Zone 3	2,993	221	182	49	-	-	-	-
Zone 6	1,664	135	65	*	-	-	-	-
Dire Dawa	2,807	6,197	4,677	2,989	*	-	-	-

TABLE 3 -26- d: NUMBER OF HOLDINGS BY SIZES OF HORSES AND ASSES

Geographic Area	Horses					Asses				
	Holdings with no Horses	1-2 Head	3-4 Head	5-9 Head	>=10 Head	Holdings with no Asses	1-2 Head	3-4 Head	5-9 Head	>=10 Head
Ethiopia	10,328,752	844,528	106,744	15,844	*	8,466,106	2,659,013	162,316	8,737	*
Tigray	709,270	1,200	-	-	-	434,474	256,041	19,362	*	-
North West Tigray	126,382	-	-	-	-	79,964	42,624	3,611	*	-
Central Tigray	206,356	-	-	-	-	137,674	64,556	4,126	-	-
Eastern Tigray	117,132	*	-	-	-	68,662	45,541	2,847	*	-
Southern Tigray	199,723	*	-	-	-	112,393	80,091	7,957	*	-
Western Tigray	59,677	*	-	-	-	35,780	23,230	*	-	-
Afar	31,448	-	-	-	-	25,235	4,806	1,034	315	*
Zone 1	12,278	-	-	-	-	11,379	661	138	89	*
Zone 3	19,169	-	-	-	-	13,856	4,145	896	225	*
Amhara	2,989,679	175,981	11,478	*	-	2,163,994	961,568	49,811	1,991	-
North Gonder	417,104	27,411	*	-	-	320,476	119,862	4,897	*	-
South Gonder	378,799	18,432	-	-	-	280,533	111,368	5,330	-	-
North Wolo	297,166	*	*	-	-	197,814	102,598	7,032	*	-
South Wolo	468,516	28,202	-	-	-	302,444	184,028	10,246	-	-
North Shewa	357,303	26,612	*	-	-	216,038	160,607	9,152	-	-
East Gojam	374,539	31,799	3,033	-	-	289,852	113,470	5,339	*	-
West Gojam	399,855	6,473	*	-	-	302,338	101,505	2,880	*	-
Waghamera	77,053	-	-	-	-	51,467	23,660	1,926	-	-
Awi	141,001	26,811	4,130	*	*	146,754	23,654	1,760	-	-
Oromia	78,343	-	-	-	-	56,279	20,816	1,248	-	-
Oromia	3,927,094	451,011	85,543	15,400	*	3,276,511	1,118,776	78,534	5,033	*
West Wellega	345,300	*	-	-	-	283,738	59,950	5,396	*	-
East Wellega	264,823	14,589	*	*	-	221,161	58,282	4,498	*	-
Illubabor	184,751	21,405	1,810	-	-	199,787	7,943	*	-	-
Jimma	435,896	49,635	5,305	*	-	442,427	48,225	1,685	-	-
West Shewa	294,698	62,320	12,270	*	-	301,435	65,299	4,873	-	-
North Shewa	207,306	42,688	3,833	*	-	155,997	90,848	7,415	-	-
East Shewa	343,308	10,100	*	-	-	185,811	146,944	18,422	2,249	*
Arsi	414,709	122,868	25,495	2,905	-	370,410	187,292	7,821	*	-
West Harerghe	311,888	*	-	-	-	201,593	109,736	2,267	-	-
East Harerghe	420,689	*	-	-	-	301,633	119,875	-	-	-
Bale	239,908	57,233	20,867	*	*	209,613	100,900	11,828	*	-
Borena	150,114	*	-	*	-	116,316	29,195	4,254	*	-
South West Shewa	171,165	20,144	*	-	-	121,363	63,212	6,915	-	-
Guji	142,537	43,078	11,233	2,603	-	165,231	31,075	2,922	*	-

TABLE 3-26 – d CONT'D

Geographic Area	Horses					Asses				
	Holdings with no Horses	1-2 Head	3-4 Head	5-9 Head	>=10 Head	Holdings with no Asses	1-2 Head	3-4 Head	5-9 Head	>=10 Head
Somale	105,232	-	-	-	-	46,692	52,036	5,856	648	-
Shinele	6,055	-	-	-	-	4,110	1,612	308	25	-
Jijiga	74,121	-	-	-	-	30,583	39,511	3,755	*	-
Liben	25,055	-	-	-	-	11,997	10,913	1,794	*	-
Benshangul-Gumuz	136,288	*	-	-	-	108,399	25,875	2,162	*	-
Metekel	49,969	*	-	-	-	36,570	13,230	*	-	-
Asosa	65,590	-	-	-	-	54,649	9,206	1,735	-	-
Kemeshi	20,729	-	-	-	-	17,179	3,439	*	*	-
S.N.N.P.R	2,392,870	215,857	9,707	-	*	2,388,292	226,137	4,779	-	-
Gurage	215,113	44,001	*	-	-	228,691	30,717	*	-	-
Hadiya	190,990	16,037	-	-	-	173,678	33,116	*	-	-
Kembata Tembaro	123,431	5,864	-	-	-	111,988	17,307	-	-	-
Sidama	479,480	33,422	*	-	*	478,999	37,822	*	-	-
Gedio	130,631	19,043	*	-	*	148,551	1,630	-	-	-
Wolayita	287,546	*	-	-	-	265,205	22,910	-	-	-
South Omo	84,390	5,949	*	-	-	88,551	1,484	539	-	-
Shaka	29,412	1,854	*	-	*	30,718	931	-	-	-
Kaffa	127,535	27,509	3,087	-	-	156,558	*	-	-	-
Gamo Gofa	251,153	24,215	*	-	-	269,583	5,763	*	-	-
Bench Maji	108,664	6,364	-	-	-	115,028	-	-	-	-
Yem Sp. Wereda	14,860	423	-	-	-	13,315	1,945	*	-	-
Amaro Sp. Wereda	23,699	3,121	*	-	-	26,539	465	*	-	-
Burji Sp. Wereda	8,756	*	-	-	-	6,375	2,188	210	-	-
Konso Sp. Wereda	36,661	-	-	-	-	33,314	3,045	302	-	-
Derashe Sp. Wereda	23,817	*	-	-	-	17,211	6,607	*	-	-
Dawro	71,075	7,365	-	-	-	75,986	2,454	-	-	-
Basketo Sp. Wereda	10,221	380	*	-	-	10,484	*	-	-	-
Konta Sp. Wereda	16,145	640	-	-	-	16,735	*	-	-	-
Silte	127,551	17,750	-	-	-	101,267	42,897	1,137	-	-
Alaba Sp. Wereda	31,740	1,292	-	-	-	19,520	13,100	412	-	-
Harari	14,913	-	-	-	-	9,963	4,687	212	*	-
Hundene	14,913	-	-	-	-	9,963	4,687	212	*	-
Addis Ababa	5,003	305	*	-	-	2,388	2,514	341	81	-
Zone 3	3,219	210	*	-	-	1,605	1,684	145	*	-
Zone 6	1,785	94	-	-	-	783	830	196	70	-
Dire Dawa	16,955	-	-	-	-	10,155	6,574	226	-	-

TABLE 3 -26- e: NUMBER OF HOLDINGS BY SIZES OF MULES AND CAMELS

Geographic Area	Mules					Camels				
	Holdings with no Mules	1-2 Head	3-4 Head	5-9 Head	>=10 Head	Holdings with no Camels	1-2 Head	3-4 Head	5-9 Head	>=10 Head
Ethiopia	11,001,246	295,014	*	-	-	11,191,097	61,546	19,257	13,074	11,866
Tigray	702,276	8,194	-	-	-	693,962	13,260	2,123	*	*
North West Tigray	126,232	*	-	-	-	122,749	3,633	-	-	-
Central Tigray	205,121	*	-	-	-	200,701	5,655	-	-	-
Eastern Tigray	116,034	1,263	-	-	-	116,247	608	442	-	-
Southern Tigray	195,755	4,849	-	-	-	195,418	*	1,596	*	*
Western Tigray	59,134	697	-	-	-	58,848	899	84	-	-
Afar	31,253	195	-	-	-	19,221	4,045	1,838	2,887	*
Zone 1	12,278	-	-	-	-	6,813	2,744	729	824	1,168
Zone 3	18,974	195	-	-	-	12,408	1,302	1,108	2,063	2,288
Amhara	3,092,712	84,652	-	-	-	3,167,333	9,464	567	-	-
North Gonder	434,666	11,226	-	-	-	445,542	350	-	-	-
South Gonder	383,201	14,030	-	-	-	397,231	-	-	-	-
North Wolo	295,871	11,869	-	-	-	306,032	1,708	-	-	-
South Wolo	480,007	16,711	-	-	-	494,877	1,841	-	-	-
North Shewa	374,334	11,463	-	-	-	384,772	1,025	-	-	-
East Gojam	403,601	*	-	-	-	409,371	-	-	-	-
West Gojam	399,768	7,283	-	-	-	407,051	-	-	-	-
Waghamera	74,428	2,625	-	-	-	77,053	-	-	-	-
Awi	168,761	3,407	-	-	-	172,168	-	-	-	-
Oromia	78,073	*	-	-	-	73,236	4,540	567	-	-
Oromia	4,339,230	139,753	*	-	-	4,440,813	19,275	10,850	5,471	*
West Wellega	341,222	8,225	-	-	-	349,447	-	-	-	-
East Wellega	272,189	12,078	-	-	-	284,267	-	-	-	-
Illubabor	201,783	6,183	-	-	-	207,966	-	-	-	-
Jimma	464,109	28,228	-	-	-	491,933	-	*	-	-
West Shewa	365,800	5,807	-	-	-	371,607	-	-	-	-
North Shewa	249,673	4,587	-	-	-	254,260	-	-	-	-
East Shewa	345,994	8,042	-	-	-	351,183	*	*	-	*
Arsi	541,935	23,561	*	-	-	563,852	*	*	-	-
West Harerghe	311,747	1,849	-	-	-	308,824	*	1,702	*	*
East Harerghe	421,508	-	-	-	-	420,539	*	*	-	*
Bale	308,546	14,448	-	-	-	315,908	*	*	-	*
Borena	145,320	5,210	-	-	-	135,049	8,812	2,572	2,456	*
South West Shewa	182,425	9,065	-	-	-	191,490	-	-	-	-
Guji	186,981	12,470	-	-	-	194,492	*	*	-	*

TABLE 3-26 – e CONT'D

Geographic Area	Mules					Camels				
	Holdings with no Mules	1-2 Head	3-4 Head	5-9 Head	>=10 Head	Holdings with no Camels	1-2 Head	3-4 Head	5-9 Head	>=10 Head
Somale	105,186	*	-	-	-	79,925	13,129	3,522	3,867	4,789
Shinele	6,037	18	-	-	-	4,716	845	279	159	56
Jijiga	74,121	-	-	-	-	59,068	11,024	1,775	1,610	644
Liben	25,027	*	-	-	-	16,140	1,260	1,468	2,098	4,089
Benshangul-Gumuz	134,798	1,665	-	-	-	136,463	-	-	-	-
Metekel	49,290	854	-	-	-	50,144	-	-	-	-
Asosa	65,043	*	-	-	-	65,590	-	-	-	-
Kemeshi	20,466	263	-	-	-	20,729	-	-	-	-
S.N.N.P.R	2,558,873	60,243	*	-	-	2,619,001	*	-	-	-
Gurage	254,604	5,373	-	-	-	259,977	-	-	-	-
Hadiya	196,492	10,535	-	-	-	207,027	-	-	-	-
Kembata Tembaro	127,287	2,008	-	-	-	129,295	-	-	-	-
Sidama	513,838	*	-	-	-	517,207	-	-	-	-
Gedio	146,391	3,790	-	-	-	150,181	-	-	-	-
Wolayita	286,152	1,963	-	-	-	288,115	-	-	-	-
South Omo	88,512	2,062	-	-	-	90,574	-	-	-	-
Shaka	31,379	270	-	-	-	31,649	-	-	-	-
Kaffa	149,720	8,411	-	-	-	158,131	-	-	-	-
Gamo Gofa	267,936	8,303	-	-	-	276,239	-	-	-	-
Bench Maji	114,460	568	-	-	-	115,028	-	-	-	-
Yem Sp. Wereda	15,119	164	-	-	-	15,283	-	-	-	-
Amaro Sp. Wereda	25,862	1,083	*	-	-	27,037	-	-	-	-
Burji Sp. Wereda	8,691	82	-	-	-	8,773	-	-	-	-
Konso Sp. Wereda	36,661	-	-	-	-	36,661	-	-	-	-
Derashe Sp. Wereda	23,549	310	-	-	-	23,859	-	-	-	-
Dawro	74,584	3,856	-	-	-	78,440	-	-	-	-
Basketo Sp. Wereda	10,181	435	-	-	-	10,616	-	-	-	-
Konta Sp. Wereda	16,153	632	-	-	-	16,785	-	-	-	-
Silte	139,064	6,237	-	-	-	145,094	*	-	-	-
Alaba Sp. Wereda	32,240	792	-	-	-	33,032	-	-	-	-
Harari	14,913	-	-	-	-	14,761	*	-	*	*
Hundene	14,913	-	-	-	-	14,761	*	-	*	*
Addis Ababa	5,080	237	*	-	-	5,324	-	-	-	-
Zone 3	3,293	145	*	-	-	3,445	-	-	-	-
Zone 6	1,786	93	-	-	-	1,879	-	-	-	-
Dire Dawa	16,925	*	-	-	-	14,295	2,116	358	160	*

TABLE 3 -26- f: NUMBER OF HOLDINGS BY SIZE OF POULTRY

Geographic Area	Holdings with no poultry	1-9 Head	10-49 Head	50-99 Head	100-199 Head	>=200 Head
Ethiopia	5,131,684	5,310,889	853,964	*	*	-
Tigray	205,055	401,235	104,030	*	-	-
North West Tigray	32,634	65,310	28,288	*	-	-
Central Tigray	52,897	126,255	27,204	-	-	-
Eastern Tigray	31,576	76,238	9,483	-	-	-
Southern Tigray	73,021	105,032	22,551	-	-	-
Western Tigray	14,928	28,399	16,504	-	-	-
Afar	25,108	4,994	1,346	-	-	-
Zone 1	12,113	157	*	-	-	-
Zone 3	12,995	4,836	1,338	-	-	-
Amhara	1,190,012	1,787,664	199,688	-	-	-
North Gonder	111,094	285,297	49,501	-	-	-
South Gonder	150,022	225,166	22,043	-	-	-
North Wolo	78,506	204,492	24,742	-	-	-
South Wolo	127,075	344,503	25,140	-	-	-
North Shewa	113,170	252,386	20,241	-	-	-
East Gojam	261,737	136,137	11,497	-	-	-
West Gojam	193,610	190,421	23,020	-	-	-
Waghamera	34,353	36,130	6,570	-	-	-
Awi	87,811	75,141	9,216	-	-	-
Oromia	32,635	37,990	7,718	-	-	-
Oromia	2,261,113	1,884,560	333,791	-	-	-
West Wellega	151,867	149,801	47,779	-	-	-
East Wellega	148,860	110,707	24,700	-	-	-
Illubabor	87,752	97,446	22,768	-	-	-
Jimma	252,723	207,746	31,868	-	-	-
West Shewa	179,554	166,016	26,037	-	-	-
North Shewa	124,945	118,142	11,173	-	-	-
East Shewa	177,677	141,784	34,575	-	-	-
Arsi	300,178	227,002	38,797	-	-	-
West Harerghe	157,748	137,382	18,466	-	-	-
East Harerghe	204,142	194,386	22,980	-	-	-
Bale	209,993	98,398	14,603	-	-	-
Borena	73,071	64,129	13,330	-	-	-
South West Shewa	83,639	94,163	13,688	-	-	-
Guji	108,966	77,458	13,027	-	-	-

TABLE 3-26 – f CONT'D

Geographic Area	Holdings with no poultry	1-9 Head	10-49 Head	50-99 Head	100-199 Head	>=200 Head
Somale	77,190	23,583	4,419	*	-	-
Shinele	4,799	1,081	175	-	-	-
Jijiga	55,501	15,329	3,291	-	-	-
Liben	16,890	7,173	952	*	-	-
Benshangul-Gumuz	41,503	65,930	28,938	*	-	-
Metekel	13,063	26,936	10,145	-	-	-
Asosa	20,498	31,047	13,953	*	-	-
Kemeshi	7,942	7,947	4,840	-	-	-
S.N.N.P.R	1,315,423	1,123,902	179,883	-	-	-
Gurage	137,618	114,873	7,486	-	-	-
Hadiya	85,815	101,532	19,680	-	-	-
Kembata Tembaro	62,265	60,787	6,243	-	-	-
Sidama	290,232	199,220	27,755	-	-	-
Gedio	86,645	58,276	5,260	-	-	-
Wolayita	133,148	126,795	28,172	-	-	-
South Omo	46,878	33,486	10,210	-	-	-
Shaka	11,099	16,940	3,610	-	-	-
Kaffa	62,146	83,148	12,837	-	-	-
Gamo Gofa	173,172	88,366	14,701	-	-	-
Bench Maji	39,471	60,928	14,629	-	-	-
Yem Sp. Wereda	8,637	6,111	535	-	-	-
Amaro Sp. Wereda	14,998	10,260	1,779	-	-	-
Burji Sp. Wereda	4,850	3,178	745	-	-	-
Konso Sp. Wereda	19,801	15,434	1,426	-	-	-
Derashe Sp. Wereda	11,629	10,091	2,139	-	-	-
Dawro	48,675	25,968	3,797	-	-	-
Basketo Sp. Wereda	5,022	4,603	991	-	-	-
Konta Sp. Wereda	7,479	7,540	1,766	-	-	-
Silte	53,954	79,224	12,123	-	-	-
Alaba Sp. Wereda	11,888	17,142	4,002	-	-	-
Harari	8,330	5,964	619	-	-	-
Hundene	8,330	5,964	619	-	-	-
Addis Ababa	2,045	2,621	637	*	*	-
Zone 3	1,282	1,729	413	*	*	-
Zone 6	763	891	225	-	-	-
Dire Dawa	5,904	10,438	613	-	-	-

TABLE 3-27: ANIMAL FEED PRACTICES OF PEASNT HOLDERS – PERCENTAGE USED BY TYPE OF FEED, ZONE, AND REGION

Geographic Area	Total (%)	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
Ethiopia	100	62.65	26.83	0.07	6.29	0.76	3.38
Tigray	100	39.17	41.24	0.03	15.24	1.15	3.12
North West Tigray	100	48.29	33.86	-	15.13	2.01	0.71
Central Tigray	100	31.2	48.13	-	18.11	0.55	1.89
Eastern Tigray	100	31.46	48.17	0.01	13	0.67	6.69
Southern Tigray	100	36.9	42.22	0.08	15.49	0.54	4.76
Western Tigray	100	66.93	18.73	0.04	9.68	4.01	0.46
Afar	100	86.95	6.57	0.01	3.46	1.2	1.75
Zone 1	100	84.66	9.54	0.01	0.99	2.12	2.6
Zone 3	100	88.52	4.54	0.01	5.16	0.56	1.17
Amhara	100	48.1	35.39	0.12	13.67	0.52	2.18
North Gonder	100	48.51	31.83	0.26	17.01	0.82	1.57
South Gonder	100	39.67	39.18	0.08	18.82	0.53	1.73
North Wolo	100	41.95	44.29	0.13	12.88	0.36	0.39
South Wolo	100	39.09	39.39	0.16	20.65	0.22	0.49
North Shewa	100	39.56	39.92	0.12	17.77	1.08	1.51
East Gojam	100	54.05	35.05	0.06	4.19	0.7	5.84
West Gojam	100	61.1	27.25	0.08	7.36	0.15	4.06
Waghamera	100	50.75	39.64	0.1	8.63	0.61	0.27
Awi	100	69.64	21.7	0.02	5.92	0.31	2.4
Oromia	100	63.37	23.63	0.2	11.67	0.03	1.04
Oromia	100	70.25	23.02	0.03	2.73	0.89	3.08
West Wellega	100	87.12	6.38	-	0.09	0.4	6.02
East Wellega	100	84.52	9.85	0.06	0.68	0.33	4.57
Illubabor	100	90.86	4.55	0.01	-	0.78	3.8
Jimma	100	86.51	10.72	-	0.65	0.24	1.87
West Shewa	100	76.84	16.77	0.01	2.98	0.57	2.84
North Shewa	100	55.21	22.44	0.02	18.88	0.84	2.61
East Shewa	100	57.85	37.06	0.14	1.87	1.52	1.54
Arsi	100	66.52	27.8	0.02	2.14	2.08	1.43
West Harerghe	100	44.26	47.5	0.01	3.32	0.11	4.8
East Harerghe	100	38.09	52.65	0.04	3.6	1.39	4.21
Bale	100	85.19	10.9	0.03	0.73	1.53	1.62
Borena	100	90.9	6.7	-	0.12	-	2.28
South West Shewa	100	63.81	29.7	0.02	3.31	0.87	2.28
Guji	100	82.33	10.3	0.04	0.94	0.05	6.35

TABLE 3-27 CONT'D

Geographic Area	Total (%)	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
Somale	100	75.62	20.02	0.02	3.11	0.1	1.14
Shinele	100	80.01	13.98	-	1.32	1.49	3.2
Jijiga	100	72.43	22.57	0.03	3.84	0.02	1.1
Liben	100	83.94	13.91	-	1.37	-	0.78
Benshangul-Gumuz	100	87.28	7.63	0.05	1.54	0.33	3.17
Metekel	100	85.79	10.03	0.03	2.52	0.24	1.39
Asosa	100	87.57	6.02	0.09	1.07	0.32	4.92
Kemeshi	100	90.72	5.19	0.01	0.03	0.58	3.48
S.N.N.P.R	100	71.89	20.29	0.08	1.45	0.73	5.57
Gurage	100	68.25	24.08	0.06	4.87	0.86	1.88
Hadiya	100	64.62	25.21	0.21	2.27	0.9	6.79
Kembata Tembaro	100	52.96	29	0.2	2.07	1.41	14.37
Sidama	100	70.99	23.56	0.17	0.44	0.61	4.23
Gedio	100	77.65	18.79	0.05	0.32	0.41	2.78
Wolayita	100	68.41	18.68	0.02	1.33	1	10.55
South Omo	100	87.35	10.07	-	0.03	0.29	2.25
Shaka	100	89.9	5.88	0.06	-	1.26	2.86
Kaffa	100	93.54	2.47	0.01	-	1.68	2.31
Gamo Gofa	100	71.22	19.71	0.02	0.78	0.22	8.05
Bench Maji	100	91.44	4.26	-	-	1.24	3.06
Yem Sp. Wereda	100	75.14	17.45	-	4.55	0.02	2.84
Amaro Sp. Wereda	100	72.93	24.16	-	1.63	-	1.28
Burji Sp. Wereda	100	78.69	17.55	-	0.78	-	2.97
Konso Sp. Wereda	100	50.01	31.95	0.03	3.23	1.46	13.32
Derashe Sp. Wereda	100	66.76	26.77	-	0.8	0.1	5.57
Dawro	100	83.02	10.86	-	0.42	*	5.71
Basketo Sp. Wereda	100	72.68	16.93	-	0.08	-	10.3
Konta Sp. Wereda	100	83.38	12.97	-	0.06	-	3.59
Silte	100	61.75	32.48	-	3.1	0.11	2.55
Alaba Sp. Wereda	100	62.18	35.12	0.06	1.41	0.13	1.12
Harari	100	34.46	53.23	0.41	2.94	6.87	2.1
Hundene	100	34.46	53.23	0.41	2.94	6.87	2.1
Addis Ababa	100	48.6	35.99	0.17	10.01	4.22	1.01
Zone 3	100	57.65	25.3	0.06	12.42	3.29	1.27
Zone 6	100	32.36	55.15	0.36	5.7	5.9	0.53
Dire Dawa	100	70.77	22.71	0.33	1.11	3.23	1.78

TABLE 3-28 - a: ANIMAL FEED PRACTICES OF PEASNT HOLDERS – NUMBER OF HOLDERS REPORTING BY TYPE OF FEED, ZONE, AND REGION

Geographic Area	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
Ethiopia	9,789,364	8,128,882	37,297	2,874,880	663,408	2,806,337
Tigray	607,353	583,137	875	447,772	64,409	153,450
North West Tigray	113,315	110,061	-	86,568	27,520	11,235
Central Tigray	170,675	169,124	-	138,642	8,036	44,970
Eastern Tigray	100,334	94,484	279	63,185	6,385	52,555
Southern Tigray	167,496	162,770	472	131,057	4,199	41,651
Western Tigray	55,532	46,700	124	28,320	18,269	3,037
Afar	29,057	9,776	34	2,180	2,088	3,228
Zone 1	11,971	6,119	17	703	1,443	1,990
Zone 3	17,086	3,657	17	1,477	645	1,238
Amhara	2,785,819	2,609,191	17,746	1,604,914	128,481	688,860
North Gonder	385,694	360,796	4,613	271,586	27,392	44,893
South Gonder	347,671	334,220	1,843	249,956	16,994	69,866
North Wolo	272,341	263,324	571	152,258	7,951	13,511
South Wolo	449,098	428,840	3,233	362,275	9,260	33,859
North Shewa	321,258	302,568	2,331	219,233	29,168	72,544
East Gojam	363,936	328,951	2,052	80,531	21,658	211,102
West Gojam	366,419	338,539	1,378	142,808	6,297	185,404
Waghamera	64,581	62,606	395	32,291	3,945	1,862
Awi	146,927	130,719	376	57,920	5,438	44,838
Oromia	67,894	58,628	955	36,056	377	10,981
Oromia	3,850,604	2,962,021	6,713	580,882	315,260	1,029,811
West Wellega	244,372	103,836	-	1,245	8,418	125,172
East Wellega	238,530	136,469	1,177	10,931	8,205	101,411
Illubabor	185,467	66,396	219	-	13,282	79,222
Jimma	449,584	321,945	-	22,958	15,908	111,128
West Shewa	321,137	271,568	618	69,840	19,405	135,463
North Shewa	228,252	205,377	521	191,713	27,850	65,669
East Shewa	286,278	271,475	920	33,383	29,542	23,519
Arsi	508,101	448,372	843	80,104	90,228	54,031
West Harerghe	258,343	273,757	338	39,411	3,594	72,942
East Harerghe	342,842	382,175	713	63,552	31,160	90,408
Bale	303,933	180,952	827	20,104	47,675	44,518
Borena	139,915	52,460	-	1,057	-	24,434
South West Shewa	169,582	153,390	169	42,170	19,398	45,728
Guji	174,267	93,849	369	4,414	596	56,166

TABLE 3-28 – a CONT'D

Geographic Area	Green Fodder	Crop Residue	Improved Feed	Hay	By-Product	Others
Somale	101,529	76,730	112	12,242	645	13,179
Shinele	5,587	2,718	-	256	421	858
Jijiga	71,550	61,150	112	9,972	223	11,537
Liben	24,393	12,863	-	2,015	-	784
Benshangul-Gumuz	94,750	34,774	486	10,326	3,160	23,782
Metekel	41,164	20,108	152	6,216	1,098	4,374
Asosa	39,120	10,944	303	4,073	1,539	14,386
Kemeshi	14,465	3,722	32	37	524	5,021
S.N.N.P.R	2,288,121	1,821,393	10,576	211,231	139,643	889,204
Gurage	237,636	221,519	1,900	66,086	19,805	68,929
Hadiya	193,033	181,020	2,064	29,172	14,764	109,121
Kembata Tembaro	116,427	107,069	1,465	14,686	9,148	92,926
Sidama	433,900	377,127	3,864	9,624	15,921	108,476
Gedio	94,708	67,750	155	1,894	2,039	17,278
Wolayita	266,756	234,604	324	31,333	21,488	156,114
South Omo	74,307	36,535	-	102	1,523	11,397
Shaka	24,520	8,677	104	-	4,500	10,386
Kaffa	148,508	36,926	187	-	27,824	54,630
Gamo Gofa	243,435	191,048	274	15,982	3,808	86,650
Bench Maji	100,741	39,925	-	-	14,005	45,646
Yem Sp. Wereda	14,244	12,672	23	2,991	22	4,152
Amaro Sp. Wereda	24,261	21,957	-	1,578	-	2,809
Burji Sp. Wereda	7,251	5,911	-	295	-	2,436
Konso Sp. Wereda	28,320	28,829	57	5,534	2,852	17,066
Derashe Sp. Wereda	18,045	16,454	-	793	75	7,834
Dawro	73,582	56,142	-	2,407	95	54,111
Basketo Sp. Wereda	8,710	6,680	-	54	-	4,862
Konta Sp. Wereda	15,918	12,009	-	83	-	6,017
Silte	133,008	128,635	-	25,916	1,304	25,294
Alaba Sp. Wereda	30,811	29,903	159	2,702	471	3,068
Harari	11,422	13,623	252	1,713	3,950	1,615
Hundene	11,422	13,623	252	1,713	3,950	1,615
Addis Ababa	4,348	3,819	45	2,455	1,373	334
Zone 3	2,794	2,433	9	1,886	803	279
Zone 6	1,554	1,386	36	570	569	54
Dire Dawa	16,362	14,417	457	1,164	4,400	2,875

TABLE 3-28 - b: NUMBER OF HOLDERS REPORTING ANIMAL FEED BY SOURCE OF FEED, ZONE, AND REGION

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
Ethiopia	1,942,168	459,335	100,899	289,401	14,535
Tigray	116,355	14,145	13,506	8,966	478
North West Tigray	3,645	182	3,170	4,018	221
Central Tigray	38,903	5,582	229	-	257
Eastern Tigray	46,717	2,751	2,181	907	-
Southern Tigray	24,862	4,906	7,926	3,958	-
Western Tigray	2,230	724	-	84	-
Afar	52	750	1,650	333	443
Zone 1	52	61	1,632	233	11
Zone 3	-	689	18	100	432
Amhara	572,019	69,614	6,976	34,102	6,149
North Gonder	41,983	350	1,217	550	793
South Gonder	47,035	10,628	391	9,979	1,833
North Wolo	9,436	4,075	-	-	-
South Wolo	22,690	7,764	-	855	2,549
North Shewa	22,997	34,680	3,589	11,278	-
East Gojam	207,039	1,802	699	697	865
West Gojam	176,850	342	-	8,212	-
Waghamera	1,509	52	193	-	108
Awi	41,205	781	610	2,242	-
Oromia	1,275	9,140	277	289	-
Oromia	632,136	190,399	50,169	153,503	3,605
West Wellega	47,508	19,290	285	57,089	1,000
East Wellega	42,666	30,038	273	27,774	660
Illubabor	63,097	5,781	477	9,375	493
Jimma	64,596	35,954	1,420	8,754	403
West Shewa	103,191	18,898	2,310	10,389	675
North Shewa	41,909	16,484	770	6,227	280
East Shewa	15,076	3,663	4,189	591	-
Arsi	41,245	3,543	465	8,778	-
West Harerghe	38,633	12,660	7,542	14,108	-
East Harerghe	68,293	2,226	13,811	6,078	-
Bale	30,867	11,413	1,064	1,175	-
Borena	7,521	12,578	4,241	-	94
South West Shewa	42,314	1,114	1,949	351	-
Guji	25,220	16,758	11,374	2,814	-

TABLE 3-28 – b CONT'D

Geographic Area	Own Holding	Purchased	Communal/ Government Holding	From any Two or More Sources	Others
Somale	1,095	6,929	4,565	426	163
Shinele	61	619	14	-	163
Jijiga	1,034	5,607	4,551	345	-
Liben	-	703	-	81	-
Benshangul-Gumuz	10,742	5,449	376	7,215	-
Metekel	3,248	431	342	353	-
Asosa	6,606	2,268	-	5,513	-
Kemeshi	888	2,750	34	1,349	-
S.N.N.P.R	607,146	171,496	22,457	84,558	3,547
Gurage	33,480	25,177	-	10,273	-
Hadiya	91,863	12,945	214	4,100	-
Kembata Tembaro	80,125	2,133	962	9,443	263
Sidama	101,555	3,269	1,322	972	1,358
Gedio	6,161	9,880	154	942	140
Wolayita	113,052	9,319	4,576	29,167	-
South Omo	7,741	280	300	2,951	126
Shaka	3,583	3,924	113	2,729	38
Kaffa	35,651	12,323	185	6,217	254
Gamo Gofa	59,016	14,071	11,007	2,010	547
Bench Maji	17,421	21,266	1,832	4,734	393
Yem Sp. Wereda	2,801	900	-	430	21
Amaro Sp. Wereda	1,164	1,464	32	148	-
Burji Sp. Wereda	2,016	350	13	58	-
Konso Sp. Wereda	12,963	959	239	2,905	-
Derashe Sp. Wereda	7,467	-	255	75	38
Dawro	3,929	44,278	95	5,724	85
Basketo Sp. Wereda	4,296	18	163	99	285
Konta Sp. Wereda	3,416	1,582	28	991	-
Silte	16,438	7,357	966	533	-
Alaba Sp. Wereda	3,010	-	-	58	-
Harari	1,324	74	25	193	-
Hundene	1,324	74	25	193	-
Addis Ababa	244	33	27	29	-
Zone 3	194	29	27	29	-
Zone 6	51	4	-	-	-
Dire Dawa	1,054	446	1,147	77	151

**ANNEX TABLES PRESENTING
ESTIMATES, STANDARD ERRORS, AND COEFFICIENTS OF VARIATION
FOR
SELECTED LIVESTOCK VARIABLES**

[Annex Tables 1 –10]

Annex Table 1- Estimates of Livestock, Standard Errors and Coefficients of Variation by Type, and Region

Geographic Area	CATTLE			SHEEP			GOATS		
	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	38,749,310	507,449	1	18,074,721	562,747	3	14,858,646	485,105	3
Tigray.....	2,713,747	120,669	4	726,394	64,141	9	2,089,697	142,127	7
Afar	327,373	44,791	14	196,385	30,892	16	483,779	95,578	20
Amhara.....	9,694,803	195,832	2	6,390,779	394,987	6	4,101,770	221,353	5
Oromia.....	17,214,537	379,561	2	6,905,369	339,918	5	4,849,060	259,779	5
Somali	459,715	36,615	8	463,000	69,627	15	650,973	110,421	17
Benshangul-Gumuz	307,816	33,062	11	65,794	6,752	10	244,572	21,875	9
S.N.N.P.....	7,938,489	236,786	3	3,270,198	187,155	6	2,289,973	276,539	12
Gambella.....	NA	NA	NA	NA	NA	NA	NA	NA	NA
Harari.....	31,732	2,662	8	3,438	492	14	26,909	2,243	8
Addis Ababa.....	20,704	866	4	7,089	593	8	3,147	385	12
Dire Dawa.....	40,393	3,360	8	46,275	11,680	25	118,766	18,951	16

Annex Table 1-Cont'd

Geographic Area	HORSES			ASSES			MULES			CAMELS		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	1,517,585	90,821	6	3,930,227	72,959	2	317,671	15,502	5	458,576	68,408	15
Tigray.....	1,200	554	46	386,601	18,879	5	9,190	2,066	22	32,651	8,761	27
Afar	-	-	-	12,269	1,822	15	195	86	44	99,833	23,977	24
Amhara.....	257,320	30,928	12	1,400,032	38,352	3	88,996	8,703	10	14,266	2,817	20
Oromia.....	959,706	79,772	8	1,703,911	55,316	3	153,710	11,612	8	139,830	30,916	22
Somali	-	-	-	91,547	8,484	9	46	33	71	165,264	55,339	33
Benshangul-Gumuz	263	248	94	37,517	3,636	10	1,774	535	30	-	-	-
S.N.N.P.....	298,717	30,464	10	278,435	18,586	7	63,463	5,016	8	207	206	100
Gambella.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Harari.....	-	-	-	6,316	983	16	-	-	-	1,455	982	67
Addis Ababa.....	380	59	16	4,780	224	5	267	53	20	-	-	-
Dire Dawa.....	-	-	-	8,820	907	10	30	29	96	5,069	924	18

Annex Table 2- Estimates of Cattle, Standard Errors and Coefficients of Variation by Age group, and Region

Male Cattle

Geographic Area	<6MONTHS			6MONTHS -<1YEAR			1-<3YEARS			3-<10YEARS			10YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	1,739,325	38,815	2	1,382,906	31,987	2	2,916,004	51,772	2	10,440,040	136,440	1	644,459	28,995	5
Tigray	128,769	8,745	7	80,100	5,930	7	188,433	9,629	5	828,380	27,062	3	79,178	7,847	10
Afar	21,730	3,283	15	10,857	1,509	14	10,296	1,513	15	20,555	2,758	13	1,085	283	26
Amhara.....	340,472	15,262	4	274,754	12,919	5	727,612	23,856	3	3,300,892	62,855	2	333,256	22,081	7
Oromia.....	776,165	30,192	4	650,686	24,596	4	1,340,286	38,287	3	4,617,850	105,453	2	202,636	16,653	8
Somali	33,487	2,963	9	19,335	2,690	14	29,312	3,291	11	75,158	5,478	7	358	190	53
Benshangul-Gumuz	15,774	2,230	14	13,911	2,126	15	25,536	3,283	13	80,729	9,486	12	1,822	495	27
S.N.N.P.....	417,143	16,150	4	330,030	14,214	4	586,661	22,984	4	1,499,359	51,803	3	24,360	3,726	15
Gambella.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Harari.....	2,047	342	17	1,483	216	15	2,809	404	14	5,102	857	17	30	32	106
Addis Ababa.....	494	69	14	507	66	13	1,362	127	9	7,795	380	5	1,734	161	9
Dire Dawa.....	3,244	453	14	1,241	233	19	3,698	495	13	4,220	625	15	-	-	-

Annex Table 2- Cont'd

Female Cattle

Geographic Area	<6MONTHS			6MONTHS -<1YEAR			1-<3YEARS			3-<10YEARS			10YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	1,827,789	41,945	2	1,520,771	37,959	3	3,636,326	65,683	2	13,974,816	215,631	2	666,876	31,599	5
Tigray	137,269	10,715	8	90,444	7,671	8	217,906	13,192	6	906,160	47,954	5	57,107	6,840	12
Afar	42,407	6,939	16	25,758	3,917	15	32,884	5,228	16	157,791	21,984	14	4,010	1,294	32
Amhara.....	355,148	15,491	4	279,203	14,471	5	765,054	25,335	3	3,092,686	77,661	3	225,726	17,673	8
Oromia.....	819,350	31,374	4	719,819	29,758	4	1,686,099	50,359	3	6,148,272	153,008	2	253,373	21,035	8
Somali	34,969	3,569	10	21,271	3,192	15	38,208	4,998	13	202,658	17,724	9	4,960	1,716	35
Benshangul-Gumuz	17,684	2,382	13	15,791	2,260	14	26,803	3,310	12	107,600	11,301	11	2,166	613	28
S.N.N.P.....	415,631	18,800	5	364,624	16,007	4	858,517	29,975	3	3,324,176	117,582	4	117,988	13,852	12
Gambella.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Harari.....	1,973	314	16	1,599	250	16	3,506	400	11	12,533	1,132	9	652	220	34
Addis Ababa.....	568	77	13	548	67	12	1,421	120	8	5,908	317	5	368	67	18
Dire Dawa.....	2,790	432	15	1,715	358	21	5,928	622	11	17,031	1,511	9	526	158	30

Annex Table 3- Estimates of Sheep, Standard Errors and Coefficients of Variation by Age group, and Region

Male Sheep

Geographic Area	<6MONTHS			6MONTHS - <1YEAR			1-<2YEARS			2 YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	2,436,782	81,028	3	725,657	32,008	4	522,437	31,270	6	807,314	51,714	6
Tigray.....	66,245	7,049	11	39,354	4,911	12	22,913	3,149	14	44,832	6,716	15
Afar	18,169	3,007	17	7,097	1,150	16	7,467	1,527	20	12,999	2,737	21
Amhara.....	783,446	49,251	6	227,263	20,154	9	193,806	22,005	11	344,830	35,337	10
Oromia.....	1,099,320	59,549	5	276,774	19,286	7	158,687	14,850	9	214,295	32,898	15
Somali	42,724	7,509	18	20,486	4,075	20	22,024	4,782	22	48,673	10,040	21
Benshangul-Gumuz	10,285	1,655	16	3,398	655	19	3,005	538	18	3,633	676	19
S.N.N.P.....	410,237	21,796	5	147,773	14,259	10	111,684	15,397	14	134,976	13,719	10
Gambella.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Harari.....	307	106	35	160	64	40	329	87	26	385	150	39
Addis Ababa.....	1,195	129	11	346	62	18	253	58	23	263	64	24
Dire Dawa.....	4,855	927	19	3,006	719	24	2,269	758	33	2,428	1,086	45

Annex Table 3-Cont'd

Female Sheep

Geographic Area	<6MONTHS			6MONTHS - <1YEAR			1-<2YEARS			2 YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	2,488,819	87,166	4	1,043,427	39,861	4	1,435,074	64,291	4	8,615,212	276,449	3
Tigray.....	72,450	8,142	11	47,508	6,479	14	61,879	6,699	11	371,214	34,883	9
Afar	28,927	4,843	17	19,070	3,503	18	16,755	2,208	13	85,901	13,697	16
Amhara.....	770,520	54,636	7	343,455	25,412	7	481,594	43,788	9	3,245,867	207,460	6
Oromia.....	1,109,708	62,225	6	378,524	23,686	6	508,427	36,119	7	3,159,634	154,601	5
Somali	50,201	7,135	14	32,421	5,820	18	39,405	10,779	27	207,066	29,741	14
Benshangul-Gumuz	10,151	1,690	17	3,707	588	16	5,663	932	16	25,952	2,852	11
S.N.N.P.....	439,306	24,382	6	214,490	17,104	8	315,807	27,236	9	1,495,926	84,662	6
Gambella.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Harari.....	398	110	28	163	65	40	319	92	29	1,378	212	15
Addis Ababa.....	1,161	128	11	298	58	19	440	79	18	3,134	270	9
Dire Dawa.....	5,996	1,697	28	3,793	1,057	28	4,786	1,661	35	19,141	4,274	22

Annex Table 4- Estimates of Goats, Standard Errors and Coefficients of Variation by Age group, and Region

Male Goats

Geographic Area	<6MONTHS			6MONTHS - <1YEAR			1-<2YEARS			2 YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	1,800,037	55,954	3	778,109	33,466	4	670,043	34,946	5	1,068,407	63,176	6
Tigray.....	167,870	12,060	7	116,654	13,431	12	96,384	9,647	10	171,346	15,182	9
Afar	38,191	7,508	20	19,394	3,927	20	15,306	3,139	21	27,000	5,699	21
Amhara.....	509,572	29,636	6	204,204	15,158	7	203,309	17,138	8	337,129	30,579	9
Oromia.....	725,680	39,471	5	260,989	17,251	7	194,692	15,220	8	251,226	25,304	10
Somali	52,382	4,528	9	27,627	5,882	21	35,394	11,209	32	60,463	16,906	28
Benshangul-Gumuz	37,905	4,384	12	13,577	1,550	11	10,364	1,517	15	11,386	1,622	14
S.N.N.P.....	251,088	21,179	8	126,574	18,909	15	107,860	21,533	20	203,451	43,146	21
Gambella.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Harari.....	3,296	390	12	1,739	318	18	1,688	255	15	1,379	317	23
Addis Ababa.....	526	95	18	184	66	36	97	30	31	148	57	38
Dire Dawa.....	13,526	2,076	15	7,166	1,462	20	4,948	1,136	23	4,878	1,666	34

Annex Table 4 – Cont'd

Female Goats

Geographic Area	<6MONTHS			6MONTHS - <1YEAR			1-<2YEARS			2 YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	1,907,139	62,111	3	1,056,291	47,971	5	1,225,013	56,661	5	6,353,608	203,750	3
Tigray.....	186,822	15,228	8	160,034	19,196	12	204,114	18,375	9	986,473	68,215	7
Afar	70,858	14,128	20	45,851	9,573	21	54,642	11,110	20	212,536	43,603	21
Amhara.....	515,888	28,957	6	254,581	20,806	8	296,841	23,436	8	1,780,244	101,878	6
Oromia.....	724,309	42,159	6	341,570	26,273	8	337,349	23,931	7	2,013,245	110,188	5
Somali	74,495	9,007	12	48,300	9,459	20	67,772	22,700	34	284,540	39,186	14
Benshangul-Gumuz	39,146	4,071	10	16,998	1,954	11	24,626	3,416	14	90,570	8,296	9
S.N.N.P.....	277,312	26,619	10	177,031	24,896	14	223,235	33,007	15	923,421	103,866	11
Gambella.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Harari.....	3,370	401	12	2,039	397	19	2,696	348	13	10,701	865	8
Addis Ababa.....	630	104	16	112	35	32	293	69	23	1,157	154	13
Dire Dawa.....	14,310	2,015	14	9,774	2,164	22	13,446	3,313	25	50,720	6,740	13

Annex Table 5- Estimates of Horses, Standard Errors and Coefficients of Variation by Age group, and Region

Geographic Area	MALE						FEMALE					
	<3YEARS			3YEARS & OLDER			<3YEARS			3YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	170,707	13,292	8	580,163	34,780	6	163,408	13,369	-	603,308	40,090	-
Tigray.....	-	-	-	1,200	554	46	-	-	-	-	-	-
Afar	-	-	-	-	-	-	-	-	-	-	-	-
Amhara.....	24,728	4,193	17	94,403	13,121	14	25,558	4,411	-	112,632	15,855	-
Oromia.....	118,266	12,130	10	370,173	30,119	8	106,227	11,733	-	365,039	33,132	-
Somali	-	-	-	-	-	-	-	-	-	-	-	-
Benshangul-Gumuz	88	84	96	-	-	-	-	-	-	175	165	-
S.N.N.P.....	27,599	3,457	13	114,083	11,404	10	31,601	4,648	-	125,435	16,065	-
Gambella.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Harari.....	-	-	-	-	-	-	-	-	-	-	-	-
Addis Ababa.....	27	14	51	304	51	17	22	10	-	27	11	-
Dire Dawa.....	-	-	-	-	-	-	-	-	-	-	-	-

Annex Table 6- Estimates of Asses, Standard Errors and Coefficients of Variation by Age group, and Region

Geographic Area	MALE						FEMALE					
	<3YEARS			3YEARS & OLDER			<3YEARS			3YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	474,177	15,173	3	1,295,951	37,623	3	501,638	16,531	11	1,658,461	40,076	9
Tigray.....	36,276	4,176	12	169,495	12,465	7	36,636	3,756	10	144,194	9,819	7
Afar	1,231	182	15	3,307	537	16	1,448	328	23	6,283	1,229	20
Amhara.....	198,056	9,586	5	347,793	20,143	6	217,901	11,292	22	636,283	22,162	18
Oromia.....	196,344	10,373	5	602,012	27,913	5	209,835	10,991	16	695,721	29,286	13
Somali	12,246	1,661	14	36,427	3,742	10	6,987	1,241	18	35,888	4,099	11
Benshangul-Gumuz	3,324	666	20	22,492	2,277	10	3,180	728	23	8,521	1,453	111
S.N.N.P.....	25,028	3,161	13	104,921	7,432	7	23,708	2,929	27	124,777	11,829	22
Gambella.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Harari.....	484	134	28	3,040	614	20	393	152	39	2,399	468	20
Addis Ababa.....	244	43	17	3,645	167	5	166	36	69	724	84	54
Dire Dawa.....	943	181	19	2,821	393	14	1,384	276	20	3,671	518	14

Annex Table 7- Estimates of Mules, Standard Errors and Coefficients of Variation by Age group, and Region

Geographic Area	MALE						FEMALE					
	<3YEARS			3YEARS & OLDER			<3YEARS			3YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	28,050	3,611	13	123,656	7,912	6	28,879	3,404	12	137,086	8,448	6
Tigray.....	448	280	63	2,035	624	31	-	-	-	6,706	1,548	23
Afar	-	-	-	105	64	61	-	-	-	90	41	46
Amhara.....	9,837	2,083	21	31,606	4,517	14	13,135	2,416	18	34,418	4,082	12
Oromia.....	12,988	2,735	21	57,679	5,739	10	12,126	2,227	18	70,917	6,672	9
Somali	-	-	-	37	31	84	-	-	-	9	9	100
Benshangul-Gumuz	132	92	70	435	204	47	32	29	92	1,176	417	35
S.N.N.P.....	4,630	1,064	23	31,537	2,969	9	3,586	891	25	23,710	2,758	12
Gambella.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Harari.....	-	-	-	-	-	-	-	-	-	-	-	-
Addis Ababa.....	15	15	100	192	41	22	-	-	-	61	23	38
Dire Dawa.....	-	-	-	30	29	96	-	-	-	-	-	-

Annex Table 8- Estimates of Camels, Standard Errors and Coefficients of Variation by Age group, and Region

Geographic Area	MALE						FEMALE					
	<4YEARS			4YEARS & OLDER			<4YEARS			4YEARS & OLDER		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	56,326	8,651	15	110,270	14,194	13	81,222	17,122	21	210,758	33,494	16
Tigray.....	1,719	995	58	27,238	6,249	23	3,695	3,701	100	-	-	-
Afar	8,978	2,117	24	14,061	2,997	21	18,508	4,819	26	58,286	14,607	25
Amhara.....	3,485	1,064	31	10,578	2,381	23	-	-	-	203	203	100
Oromia.....	23,918	5,801	24	18,048	5,018	28	30,779	8,640	28	67,085	15,137	23
Somali	17,024	5,872	34	38,113	11,061	29	27,472	13,473	49	82,655	26,056	32
Benshangul-Gumuz	-	-	-	-	-	-	-	-	-	-	-	-
S.N.N.P.....	207	206	100	-	-	-	-	-	-	-	-	-
Gambella.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Harari.....	180	125	70	207	140	68	266	211	79	803	542	68
Addis Ababa.....	-	-	-	-	-	-	-	-	-	-	-	-
Dire Dawa.....	816	216	26	2,027	485	24	501	138	28	1,727	377	22

Annex Table 9- Estimates of Poultry, Standard Errors and Coefficients of Variation by Type, and Region

Geographic Area	Total Poultry			Cocks			Cockerels			Pullets			Non-laying Hens			Chicks			Laying Hens		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	30,868,525	433,505	1	3,099,246	53,558	2	1,538,496	48,000	3	3,237,216	77,182	2	1,183,151	48,671	4	11,604,879	243,938	2	10,205,537	131,239	1
Tigray.....	3,180,235	130,384	4	280,458	14,524	5	231,157	20,225	9	357,240	28,097	8	206,126	18,832	9	1,225,187	68,774	6	880,067	31,188	4
Afar	38,315	6,031	16	2,957	597	20	2,172	501	23	4,231	722	17	1,379	380	28	15,300	2,748	18	12,276	2,222	18
Amhara.....	8,442,238	223,593	3	899,483	30,623	3	367,978	26,796	7	790,077	39,287	5	300,549	22,401	7	3,192,642	137,026	4	2,891,509	70,463	2
Oromia.....	11,637,074	273,546	2	1,224,477	34,109	3	548,093	27,309	5	1,330,149	50,740	4	442,328	31,429	7	4,077,350	151,355	4	4,014,677	89,788	2
Somali	154,669	24,685	16	21,374	3,871	18	9,182	2,398	26	18,668	4,204	23	8,033	1,843	23	36,402	6,748	19	61,009	9,983	16
Benshangul-Gumuz	732,273	38,919	5	58,238	3,269	6	44,467	3,760	8	78,263	5,626	7	19,429	3,905	20	361,710	24,684	7	170,168	8,819	5
S.N.N.P.....	6,586,142	209,567	3	600,555	23,009	4	330,061	20,264	6	646,799	31,587	5	201,399	22,480	11	2,672,827	111,471	4	2,134,500	55,102	3
Gambella.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Harari.....	31,426	2,312	7	3,704	475	13	2,351	414	18	4,011	645	16	1,517	426	28	9,235	1,109	12	10,609	1,039	10
Addis Ababa.....	21,417	2,292	11	2,361	226	10	949	179	19	3,138	980	31	283	72	25	4,876	590	12	9,810	1,137	12
Dire Dawa.....	44,736	3,995	9	5,640	777	14	2,086	416	20	4,641	773	17	2,106	603	29	9,351	1,371	15	20,912	1,754	8

Annex Table 10- Estimates of Beehives, Standard Errors and Coefficients of Variation by Type, and Region

Geographic Area	ALL BEEHIVES			TRADITIONAL			INTERMEDIATE			MODERN		
	Number	SE	CV	Number	SE	CV	Number	SE	CV	Number	SE	CV
Ethiopia	4,546,244	453,640	10	4,515,257	453,376	10	17,647	8,506	48	13,341	5,219	39
Tigray.....	204,803	19,755	10	198,054	19,543	10	807	611	76	5,942	1,621	27
Afar	8,104	3,915	48	8,104	3,915	48	-	-	-	-	-	-
Amhara.....	919,449	59,246	6	917,039	59,250	6	1,437	909	63	973	826	85
Oromia.....	2,513,791	441,993	18	2,494,946	441,736	18	13,551	8,372	62	5,293	4,869	92
Somali	5,327	2,330	44	5,327	2,330	44	-	-	-	-	-	-
Benshangul-Gumuz	166,130	26,346	16	165,324	26,386	16	586	584	100	220	219	100
S.N.N.P.....	726,962	76,263	10	724,783	76,221	11	1,266	842	67	913	419	46
Gambella.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Harari.....	667	200	30	667	200	30	-	-	-	-	-	-
Addis Ababa.....	173	49	28	173	49	28	-	-	-	-	-	-
Dire Dawa.....	839	207	25	839	207	25	-	-	-	-	-	-

APPENDIX I
Number of Planned and Actually Covered Sampling Units

APPENDIX I.1 Number of Planned and Actually Covered Sampling Units (EAs & Households)
of the 2004/05 (1997 E.C.) Annual Agricultural Sample Survey (Livestock Sample Survey).

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.Wereda	Planned	Covered	Planned	Covered
Tigray	North Western Tigray	32	32	800	799
	Central Tigray	36	36	900	900
	Eastern Tigray	32	32	800	798
	Southern Tigray	36	36	900	898
	Western Tigray	28	27	700	699
	Region Total	164	163	4100	4094
Afar	Zone One	28	28	700	684
	Zone Three	28	28	700	682
	Region Total	56	56	1400	1366
Amhara	North Gonder	40	40	1000	999
	South Gonder	40	40	1000	1000
	North Wolo	40	40	1000	999
	South Wolo	48	48	1200	1199
	North Shewa	40	40	1000	998
	East Gojam	44	43	1100	1098
	West Gojam	44	44	1100	1098
	Waghamera	32	32	800	791
	Awi	36	36	900	900
	Oromia	32	32	800	797
	Region Total	396	395	9900	9879
Oromia	West Wellega	40	40	1000	1000
	East Wellega	36	36	900	899
	Illubabor	36	36	900	899
	Jimma	44	44	1100	1099
	West Shewa	36	36	900	899
	North Shewa	36	36	900	899
	East Shewa	40	40	1000	998
	Arsi	44	44	1100	1098
	West Harerghe	36	36	900	896
	East Harerghe	44	44	1100	1097
	Bale	36	36	900	899
	Borena	36	36	900	892
	South West Shewa	36	36	900	899
	Guji	36	36	900	894
	Region Total	536	536	13400	13368

APPENDIX I.1 Cont'd.

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.Wereda	Planned	Covered	Planned	Covered
Somali	Shinile	24	24	600	566
	Jijiga	32	32	800	796
	Liben	28	28	700	637
	Region Total	84	84	2100	1999
Benishangul-Gumuz	Metekel	28	28	700	664
	Asosa	28	28	700	699
	Kemashi	28	28	700	700
	Region Total	84	84	2100	2063
SNNP	Gurage	36	36	900	897
	Hadiya	32	32	800	799
	Kembata Tembaro	32	32	800	799
	Sidama	44	44	1100	1093
	Gedio	32	32	800	797
	Wolayita	36	36	900	895
	South Omo	32	32	800	796
	Shaka	28	28	700	697
	Kaffa	32	32	800	795
	Gamo Gofa	36	36	900	895
	Benchi Maji	32	32	800	800
	Yem Special Wereda	24	24	600	600
	Amaro Special W.	24	24	600	600
	Burji Special Wereda	24	24	600	600
	Konso Special Wereda.	24	24	600	597
	Derashe Special Wereda.	24	24	600	597
	Dawro	32	32	800	800
	Basketo Special Wereda.	24	24	600	598
	Silte Wereda.	24	23	600	599
	Silte	28	28	700	700
	Alaba Sp. Wereda	24	24	600	599
	Region Total	624	623	15600	15553
Harari	Harari	24	24	600	596
Addis Ababa	Addis Ababa	24	24	600	600
Dire Dawa	Dire Dawa	24	24	600	596
Country Total		2016	2013	50400	50114

APPENDIX I.2 Summary of Total and Covered Zones / Strata by Region

Region	Number of Zones / Strata	
	Total	Covered
Tigray	5	5
Afar	5	2
Amhara	10	10
Oromia	14	14
Somali	9	3
Benshangul-Gumuz	3	3
S.N.N.P.R.	21	21
Harari*	1	1
Addis Ababa*	1	1
Dire Dawa*	1	1
Total	70	61

* = Values for these regions refer to the number of strata

APPENDIX II

Estimation Procedures of Totals, Ratios, and Sampling Errors

APPENDIX II: Estimation Procedures of Totals, Ratios and Sampling Errors

The following formulas were used to estimate total livestock & its products, and ratio of specific characteristics in a stratum.

1. For estimating Total livestock and products:

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

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

Where:

h represents the stratum

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

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

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

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

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

y_{hij} is the value of a specific livestock (its products) for agricultural household j , in the i^{th} EA in the h^{th} stratum.

y_{hi} is the sample total values of a specific livestock (its products) for EA i in stratum h

$\hat{Y}_h$ is estimated total of specific livestock and its products in stratum h

2. For estimating Ratios in stratum h :

$\hat{R}_h = \frac{\hat{Z}_h}{\hat{X}_h}$, where the numerator and denominator are estimates of domain totals for

characteristics z and x , respectively.

3. Sampling Variance of Estimates:

Sampling variance for the estimate of stratum total of livestock and its products, and ratios are estimated by the following formulas.

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

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

Where,

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

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

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

$\hat{Y}_{hi}, \hat{Z}_{hi}, \hat{X}_{hi}$ are weighted total livestock and its products of characteristic z and x , respectively, in the i^{th} EA and h^{th} stratum.

$\hat{Y}_{hij}, \hat{Z}_{hij}, \hat{X}_{hij}$ are weighted value of livestock and its products of characteristic z and x , respectively, from j^{th} agricultural household in the i^{th} EA and h^{th} stratum.

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

$$Var(\hat{Y}) = \sum_h^L Var(\hat{Y}_h), Var(\hat{R}) = \sum_h^L Var(\hat{R}_h)$$

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

In estimating the sampling variance by the above formula, selection of EAs within a stratum is assumed to be with replacement. By so doing the variance estimate may be slightly over estimated but it greatly simplifies the estimation procedure.

4. Coefficient of Variation (CV) of Estimates:

Coefficient of Variation (CV) in percentage of estimate of stratum total of livestock and its products is given by:

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

5. Ninety-five percent confidence interval (CI) of stratum total of Livestock (its product):

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

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

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

APPENDIX III

Survey Questionnaire

Annual Agricultural Sample Survey
Livestock and Beehives Population - 2004/05 (1997 E.C.)

Part I - Identification Particulars

Region	Zone	Wereda	Farmers' Association	Enumeration Area	Household Number	Holder Number	Holder					Type of Holding	
							Name	Age	Sex M=1 F=2	Edu. Status (Highest Grade Completed)	Family Size	Crop=1 Livestock=2 Both=3	

PART II - LIVESTOCK POPULATION AND PRODUCTS**QST I - Did You Have Livestock and/or Beehives on November 10, 2004?**
☐ Yes Complete questions below

☐ No – End of the question
Number of Cattle by Age and Purpose on Feb 9, 2004

	None	Total	Male	Female
1. Cattle of all ages _____		1	2	3
a. Cattle less than 6 months _____		4	5	6
b. Cattle 6 months and less than 1 year _____		7	8	9
c. Cattle 1 year and less than 3 years _____		10	11	12
d. Cattle 3 years and less than 10 years _____		13	14	15
1. Beef Cattle _____		16	17	18
2. Cattle for breeding _____		19	20	21
3. Dairy cows _____		22		23
4. Cows that gave milk for the last 12 months _____		24		25
5. Draft cattle _____		26	27	28
6. Cattle for other purposes _____		29	30	31
e. Cattle 10 years and older _____		32	33	34
f. Grand Total _____		35	36	37
1. Local breed _____		38	39	40
2. Exotic _____		41	42	43
3. Hybrid _____		44	45	46

Form ASS – 97/7 Cont'd

Number of Sheep by Age and Purpose on Nov 10, 2004

	None	Total	Male	Female
2. Sheep of all ages		47	48	49
a. Sheep less than 6 months		50	51	52
b. Sheep 6 months and less than 1 year		53	54	55
c. Sheep 1 year and less than 2 years		56	57	58
d. Sheep 2 years and older		59	60	61
1. Sheep for mutton		62	63	64
2. Sheep for wool		65	66	67
3. Sheep for breeding		68	69	70
4. Sheep for other purposes		71	72	73
e. Grand Total		74	75	76
1. Local breed		77	78	79
2. Exotic		80	81	82
3. Hybrid		83	84	85

Number of Goats by Age and Purpose on Nov 10, 2004

	None	Total	Male	Female
3. Goats of all ages		86	87	88
a. Goats less than 6 months		89	90	91
b. Goats 6 months and less than 1 year		92	93	94
c. Goats 1 year and less than 2 years		95	96	97
d. Goats 2 years and older		98	99	100
1. Goats for meat		101	102	103
2. Dairy Goats		104		105
3. Goats for breeding		106	107	108
4. Goats for other purposes		109	110	111
e. Grand Total		112	113	114
1. Local breed		115	116	117
2. Exotic		118	119	120
3. Hybrid		121	122	123

Form ASS – 97/7 Cont'd

Number of Horses, Mules, Asses and Camels by age and Purpose on Nov 10, 2004

Horses

4. Horses of all ages _____
 a. Horses less than 3 years _____
 b. Horses 3 years and older _____
 1. Horses used primary for draft purposes _____
 2. Horses for transportation _____
 3. Horses for other purposes _____

None

Total	
124	
127	
130	
133	
136	
139	

Male	
125	
128	
131	
134	
137	
140	

Female	
126	
129	
132	
135	
138	
141	

Mules

5. Mules of all ages _____
 a. Mules less than 3 years _____
 b. Mules 3 years and older _____
 1. Mules used primary for draft purposes _____
 2. Mules for transportation _____
 3. Mules for other purposes _____

None

Total	
142	
145	
148	
151	
154	
157	

Male	
143	
146	
149	
152	
155	
158	

Female	
144	
147	
150	
153	
156	
159	

Asses

6. Asses of all ages _____
 a. Asses less than 3 years _____
 b. Asses 3 years and older _____
 1. Asses used for draft purposes _____
 2. Asses for transportation _____
 3. Asses for other purposes _____

None

Total	
160	
163	
166	
169	
172	
175	

Male	
161	
164	
167	
170	
173	
176	

Female	
162	
165	
168	
171	
174	
177	

Camels

7. Camels of all ages _____
 a. Camels less than 4 years _____
 b. Camels 4 years and older _____
 1. Camels for slaughter _____
 2. Camels for draft purposes _____
 3. Camels for milk _____
 4. Camels for transportation _____
 5. Camels for other purposes _____

None

Total	
178	
181	
184	
187	
190	
193	
195	
198	

Male	
179	
182	
185	
188	
191	
209	
196	
199	

Female	
180	
183	
186	
189	
192	
194	
197	
200	

Form ASS – 97/7 Cont'd

Poultry and Beehives

8. Poultry total on Nov 10, 2004

- a. Laying hens _____
- b. Non-Laying hens _____
- c. Cocks _____
- d. Cockerels _____
- e. Pullets _____
- f. Chicks _____

None	Total		Local		Exotic	
	201		202		203	
	204		205		206	
	207		208		209	
	210		211		212	
	213		214		215	
	216		217		218	
	219		220		221	

9. Total Beehives (produced honey during the reference period)

- a. Traditional Beehives _____
- b. Intermediate Beehives _____
- c. Modern Beehives _____

None	Total	
	222	
	223	
	224	
	225	

QST II- Did You Have Livestock During The Reference Period (Nov 12, 2003 to Nov 10, 2004)?

☐ Yes Complete questions below

☐ No – End of the question

Milk, Egg, and Honey Production during the reference period

10. Dairy cows and Camels

- a. Cows that gave milk during the reference period _____
- b. Average number of months cows actually milked _____
- c. Average lactation period of cows in months _____
- d. Milk production per day per cow in liters _____
- e. Camels that gave milk during the reference period _____
- f. Average number of months camels actually milked _____
- g. Average lactation period of camels in months _____
- h. Milk production per day per camel _____

None	
	226
	227
	228
	229
	230
	231
	232
	233

11. Egg production per hen per clutch

None	Local	Exotic
	234	235

12. Average number of clutches

	236	237
--	-----	-----

13. Total Number of clutch during the reference period _____

	238	239
--	-----	-----

Form ASS – 97/7 Cont'd

14. Honey production per beehive in kg during the reference period

- a. Average honey production/ Traditional hive/harvest _____
 Number of harvests/Traditional hive/year _____
- b. Average honey production/ Intermediate hive/harvest _____
 Number of harvests/Intermediate hive/year _____
- c. Average honey production/ Modern hive/harvest _____
 Number of harvests/Modern hive/year _____

None

	240	
	241	
	242	
	243	
	244	
	245	

15. Number of Newborn Livestock by type during the reference period

1	2	3	4	5
Sr.No.	Type	Male	Female	Total
1	Cattle (Calves)			
2	Sheep			
3	Goats			
4	Horses			
5	Asses			
6	Camel			

16. Livestock diseases, treatment and Vaccination during the reference period

1	2	3			4			5			6			7			8
Sr. No.	Type of Livestock	Total Vaccinated			Total Afflicted			Total Treated			Total Died due to diseases			Total died due to other reasons			Remark
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	
1	Cattle																
2	Sheep																
3	Goats																
4	Draft Animals																
5	Camels																
6	Poultry																

17. Livestock Feeds used during the reference period

1	2	3	4	5	5	6
Sr. No.	Type of Livestock Feed	Code	Used	Percent	Source of Feed	Code
			yes=1 no=2	used		
1	Green fodder/Grazing	1				
2	Crop Residue	2				
3	Improved Feed	3				
4	Hay	4				
5	Bi-products	5				
6	Others	7				
Total				100		

- 1= Own Holding
 2= Purchased
 3= Communal Holding
 4= 1 & 2
 5= 1 & 3
 6= 2 & 3
 7= 1, 2, & 3
 8= Others