

FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA
CENTRAL STATISTICAL AUTHORITY

AGRICULTURAL SAMPLE SURVEY
1995/96 (1988 E.C.)

VOLUME II

REPORT ON
LIVESTOCK, POULTRY AND BEEHIVES POPULATION
(PRIVATE PEASANT HOLDINGS)



ADDIS ABABA
JUNE, 1996

152

STATISTICAL BULLETIN

152

2/5 AEG.0001677

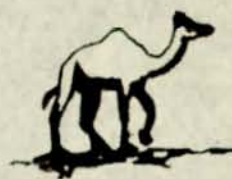
FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA
CENTRAL STATISTICAL AUTHORITY

AGRICULTURAL SAMPLE SURVEY
1995/96 (1988 E.C.)

VOLUME II

RECEIVED
BY
C. S. A. LIBRARY

REPORT ON
LIVESTOCK, POULTRY AND BEEHIVES POPULATION
(PRIVATE PEASANT HOLDINGS)



ADDIS ABABA
JUNE, 1996

Contents

	<u>Page</u>
Abbreviations.....	II
List of Tables	III
List of Figures	IX
List of Annex Tables	X
1. Introduction	1
2. Objectives of the Survey	2
3. Coverage and Content	2
4. Basic Concepts and Definitions.....	4
5. Sample Design	6
6. Field Organization.....	7
7. Training of Field staff.....	7
8. Method of Data Collection	8
9. Editing, coding and verification.....	8
10. Data entry, cleaning and processing.....	8
11. Summary of results	9
11.1 National Distribution	9
11.2 Regional and Group-Zonal Distribution.....	14
A. Cattle, Sheep and Goats	14
B. Draught Animals.....	22
C. Poultry and Beehives.....	31
11.3. Distribution of Livestock by Age group	36
11.4. Utilization of Livestock, Poultry and Beehives..	38
11.4.1 Cattle.....	38
11.4.2 Sheep and Goats.....	43
11.4.3 Draught Animals.....	46
11.4.4 Poultry.....	49
11.4.5 Beehives.....	49
12. Annex Tables.....	55
13. Appendix I, Survey Questionnaire.....	109
14. Appendix II, Number of EAs sampled and covered.....	113
15. Appendix III, Number of households covered.....	117
16. Appendix IV, Estimation procedure.....	121
17. Appendix V, Estimates, their standard error and coefficient of variation.....	127

II

Abbreviations

CSA	-	CENTRAL STATISTICAL AUTHORITY
CV	-	COEFFICIENT OF VARIATION
E.C.	-	ETHIOPIAN CALENDAR
EA	-	ENUMERATION AREA
SE	-	STANDARD ERROR
S.N.N.P.R-		SOUTHERN NATION, NATIONALITIES PEOPLES'S REGION

III

List of Tables

	<u>Page</u>
Table a. Areal coverage of the 1995/96 Agricultural Sample Survey.....	3
Table 1. Number and Percentage Distribution of Livestock, Poultry and Beehives population by type and sex for private holdings, National, 1995/96 (1988 E.C.).....	9
Table 2. Number and Percentage change of Livestock, Poultry and Beehives population in 1994/95 (1987 E.C.) and 1995/96 (1988 E.C.) by type for private holdings, National	11
Table 3. Number and Percentage distribution of Cattle by sex and region for private holdings, 1995/96 (1988 E.C.)	16
Table 3.1 Number and Percentage distribution of Cattle by sex and group of zones in Amhara region for private holdings, 1995/96 (1988 E.C.)	16
Table 3.2 Number and Percentage distribution of Cattle by sex and group of zones in Oromiya region for private holdings, 1995/96 (1988 E.C.)	17
Table 3.3 Number and Percentage distribution of Cattle by sex and group of zones in Southern Nations and Nationalities Peoples' Region for private holdings, 1995/96 (1988 E.C.).....	17
Table 4. Number and Percentage distribution of Sheep by sex and region for private holdings, 1995/96 (1988 E.C.)	18
Table 4.1 Number and Percentage distribution of Sheep by sex and group of zones in Amhara region for private holdings, 1995/96 (1988 E.C.)	18
Table 4.2 Number and Percentage distribution of Sheep by sex and group of zones in Oromiya region for private holdings, 1995/96 (1988 E.C.)	19
Table 4.3 Number and Percentage distribution of Sheep by sex and group of zones in Southern Nations and Nationalities Peoples' Region for private holdings, 1995/96 (1988 E.C.).....	19
Table 5. Number and Percentage distribution of Goats by sex and region for private holdings, 1995/96 (1988 E.C.)	20

Table 5.1	Number and Percentage distribution of Goats by sex and group of zones in Amhara region for private holdings, 1995/96 (1988 E.C.)	20
Table 5.2	Number and Percentage distribution of Goats by sex and group of zones in Oromiya region for private holdings, 1995/96 (1988 E.C.)	21
Table 5.3	Number and Percentage distribution of Goats by sex and group of zones in Southern Nations and Nationalities Peoples' Region for private holdings, 1995/96 (1988 E.C.).....	21
Table 6.	Number and Percentage distribution of Horses by sex and region for private holdings, 1995/96 (1988 E.C.)	24
Table 6.1	Number and Percentage distribution of Horses by sex and group of zones in Amhara region for private holdings, 1995/96 (1988 E.C.)	24
Table 6.2	Number and Percentage distribution of Horses by sex and group of zones in Oromiya region for private holdings, 1995/96 (1988 E.C.)	25
Table 6.3	Number and Percentage distribution of Horses by sex and group of zones in Southern Nations and Nationalities Peoples' Region for private holdings, 1995/96 (1988 E.C.).....	25
Table 7.	Number and Percentage distribution of Asses by sex and region for private holdings, 1995/96 (1988 E.C.)	26
Table 7.1	Number and Percentage distribution of Asses by sex and group of zones in Amhara region for private holdings, 1995/96 (1988 E.C.)	26
Table 7.2	Number and Percentage distribution of Asses by sex and group of zones in Oromiya region for private holdings, 1995/96 (1988 E.C.)	27
Table 7.3	Number and Percentage distribution of Asses by sex and group of zones in Southern Nations and Nationalities Peoples' Region for private holdings, 1995/96 (1988 E.C.).....	27
Table 8.	Number and Percentage distribution of Mules by sex and region for private holdings, 1995/96 (1988 E.C.)	28

Table 8.1	Number and Percentage distribution of Mules by sex and group of zones in Amhara region for private holdings, 1995/96 (1988 E.C.)	28
Table 8.2	Number and Percentage distribution of Mules by sex and group of zones in Oromiya region for private holdings, 1995/96 (1988 E.C.)	29
Table 8.3	Number and Percentage distribution of Mules by sex and group of zones in Southern Nations and Nationalities Peoples' Region for private holdings, 1995/96 (1988 E.C.).....	29
Table 9.	Number and Percentage distribution of Camels by sex and region for private holdings, 1995/96 (1988 E.C.)	30
Table 10.	Number and Percentage distribution of Poultry by region for private holdings, 1995/96 (1988 E.C.).....	32
Table 10.1	Number and Percentage distribution of Poultry by group of zones in Amhara region for private holdings, 1995/96 (1988 E.C.)	32
Table 10.2	Number and Percentage distribution of Poultry by group of zones in Oromiya region for private holdings, 1995/96 (1988 E.C.)	33
Table 10.3	Number and Percentage distribution of Poultry by group of zones in Southern Nations and Nationalities Peoples' Region for private holdings, 1995/96 (1988 E.C.).....	33
Table 11.	Number and Percentage distribution of Beehives by type and region in the country for private holdings, 1995/96 (1988 E.C.)	34
Table 11.1	Number and Percentage distribution of Beehives by type and group of zones in Amhara region for private holdings, 1995/96 (1988 E.C.)	34
Table 11.2	Number and Percentage distribution of Beehives by type and group of zones in Oromiya region for private holdings, 1995/96 (1988 E.C.)	35
Table 11.3	Number and Percentage distribution of Beehives by type and group of zones in Southern Nations and Nationalities Peoples' Region for private holdings, 1995/96 (1988 E.C.)	35

Table 12.	Number and Percentage distribution of Cattle, Sheep and Goats by sex and age for private holdings National, 1995/96 (1988 E.C.)	36
Table 13.	Number and Percentage distribution of Horses and Asses by sex and age for private holdings National, 1995/96 (1988 E.C.)	37
Table 14.	Number and Percentage distribution of Camels by sex and age for private holdings National, 1995/96 (1988 E.C.)	37
Table 15.	Number and Percentage distribution of Cattle Aged two years and over by purpose for private holdings, National 1995/96 (1988 E.C.)	38
Table 16.	Number and Percentage distribution of Cattle aged two years and over by purpose and region for private holdings, 1995/96 (1988 E.C.)	41
Table 16.1	Number and Percentage distribution of Cattle aged two years and over by purpose and group of zones in Amhara region for private holdings, 1995/96 (1988 E.C.)	41
Table 16.2	Number and Percentage distribution of Cattle aged two years and over by purpose and group of zones in Oromiya region for private holdings, 1995/96 (1988 E.C.)	42
Table 16.3	Number and Percentage distribution of Cattle aged two years and over by purpose and group of zones in Southern Nations and Nationalities People's region for private holdings, 1995/96 (1988 E.C.)	42
Table 17	Number and Percentage distribution of Sheep and Goats aged one year and over by purpose for private holdings, National 1995/96 (1988 E.C.)	43
Table 18	Number and Percentage distribution of Sheep and Goats aged one year and over by purpose and region for private holdings, 1995/96 (1988 E.C.).....	44
Table 18.1	Number and Percentage distribution of Sheep and Goats aged one year and over by purpose and group of zones in Amhara region for private holdings, 1995/96 (1988 E.C.).....	44

Table 18.2	Number and Percentage distribution of Sheep and Goats aged one year and over by purpose and group of zones in Oromiya region for private holdings, 1995/96 (1988 E.C.)	45
Table 18.3	Number and Percentage distribution of Sheep and Goats aged one year and over by purpose and group of zones in Southern Nations and Nationalities Peoples' region for private holdings, 1994/95 (1987 E.C.)..	45
Table 19.	Number and Percentage distribution of Draught Animals for draught purposes by type for private holdings, National 1995/96 (1988 E.C.)	46
Table 20.	Number and Percentage distribution of Horses, Asses, Mules and Camels used for draught purposes by type and region for private holdings, 1995/96 (1988 E.C.)	47
Table 20.1	Number and Percentage distribution of Horses, Asses, Mules and Camels used for draught purposes by type and group of zones in Amhara region for private holdings, 1995/96 (1988 E.C.)	47
Table 20.2	Number and Percentage distribution of Horses, Asses, Mules and Camels used for draught purposes by type and group of zones in Oromiya region for private holdings, 1995/96 (1988 E.C.)	48
Table 20.3	Number and Percentage distribution of Horses, Asses, Mules and Camels used for draught purposes by type and group of zones in Southern Nations and Nationalities Peoples' region for private holdings, 1995/96 (1988 E.C.)	48
Table 21.	Number and Percentage distribution of Poultry by kind for private holdings Natonal, 1995/96(1988E.C.)	49
Table 22.	Average Production of Honey per Beehive, Frequency of Honey production per year and total honey production for Traditional beehives by region for private holdings, 1995/96 (1988 E.C.).....	51
Table 22.1	Average Production of Honey per Beehive, Frequency of Honey production per year and total honey production for Traditional beehives by group of zones in Amhara region for private holdings, 1995/96 (1988 E.C.).....	51

Table 22.2	Average Production of Honey per Beehive, Frequency of Honey production per year and total honey production for Traditional beehives by group of zones in Oromiya region for private holdings, 1995/96 (1988 E.C.).....	52
Table 22.3	Average Production of Honey per Beehive, Frequency of Honey production per year and total honey production for Traditional beehives by group of zones in Southern Nations and Nationalities Peoples' region for private holdings, 1995/96 (1988 E.C.)	52
Table 23.	Average Production of Honey per Beehive, Frequency of Honey production per year and total honey production for Modern beehives by region for private holdings, 1995/96 (1988 E.C.)	53
Table 23.1	Average Production of Honey per Beehive, Frequency of Honey production per year and total honey production for Modern beehives by group of zones in Amhara region for private holdings, 1995/96 (1988 E.C.).....	53
Table 23.2	Average Production of Honey per Beehive, Frequency of Honey production per year and total honey production for Modern beehives by group of zones in Southern Nations and Nationalities Peoples' region for private holdings, 1995/96 (1988 E.C.).....	54

List of Figures

	<u>Page</u>
Figure 1. Number of Livestock by Sex, private holdings, 1995/96 (1988 E.C.)	12
Figure 2. Percentage Distribution of Livestock, private holdings, 1995/96 (1988 E.C.)	13
Figure 3. Cattle aged two years and over by purpose, private holdings, 1995/96 (1988 E.C.)	39

List of Annex Tables

		<u>Page</u>
<u>TIGRAY</u>		
Table 24.1	Number and Percentage distribution of Cattle, Sheep and Goats by sex and age for private holdings, 1995/96 (1988 E.C.).....	57
Table 24.2	Number and Percentage distribution of Asses by sex and age for private holdings, 1995/96 (1988 E.C.).....	57
Table 24.3	Cattle population aged two years and over by sex and Purpose for private holdings, 1995/96 (1988 E.C.).....	58
Table 24.4	Sheep and Goats population aged one year and over by sex and purpose for private holdings, 1995/96 (1988 E.C.)	58
Table 24.5	Number and Percentage distribution of Poultry by kind, private holdings, 1995/96(1988E.C.).	58
<u>AFAR</u>		
Table 25.1	Number and Percentage distribution of Cattle, Sheep and Goats by sex and age for private holdings, 1995/96 (1988 E.C.).....	59
Table 25.2	Number and Percentage distribution of Asses by sex and age for private holdings, 1995/96 (1988 E.C.).....	59
Table 25.3	Number and Percentage distribution of Camels by sex and age for private holdings, 1995/96 (1988 E.C.)	60
Table 25.4	Cattle population aged two years and over by sex and purpose for private holdings, 1995/96 (1988 E.C.).....	60
Table 25.5	Sheep and Goats population aged one year and over by sex and purpose for private holdings, 1995/96 (1988 E.C.)	61
Table 25.6	Number and Percentage distribution of Poultry by kind, private holdings, 1995/96(1988 E.C.)	61
<u>AMHARA</u>		
Table 26.1	Number and Percentage distribution of Cattle, Sheep and Goats by sex and age for private holdings, 1995/96 (1988 E.C.).....	62
Table 26.2	Number and Percentage distribution of Horses and Asses by sex and age for private holdings, 1995/96 (1988 E.C.).....	62

	<u>page</u>
Table 26.3	Cattle population aged two years and over by sex and Purpose for private holdings, 1995/96 (1988 E.C.)..... 63
Table 26.4	Sheep and Goats population aged one year and over by sex and purpose for private holdings, 1995/96 (1988 E.C.) 63
Table 26.5	Number and Percentage distribution of Poultry by kind, private holdings, 1995/96 (1988 E.C.) 63
Table 26.1.1 - 26.5.1	North and South Gonder zones..... 64-65
Table 26.1.2 - 26.5.2	East, West Gojam and Agewawi zones.. 66-67
Table 26.1.3 - 26.6.3	North Wolo and Waghamra zones..... 68-69
Table 26.1.4 - 26.6.4	South Wolo, Oromia and North Shewa zones..... 70-71

OROMIYA

Table 27.1	Number and Percentage distribution of Cattle, Sheep and Goats by sex and age for private holdings, 1995/96 (1988 E.C.)..... 72
Table 27.2	Number and Percentage distribution of Horses and Asses by sex and age for private holdings, 1995/96 (1988 E.C.)..... 72
Table 27.3	Cattle population aged two years and over by sex and Purpose for private holdings, 1995/96 (1988 E.C.)..... 73
Table 27.4	Sheep and Goats population aged one year and over by sex and purpose for private holdings, 1995/96 (1988 E.C.) 73
Table 27.5	Number and Percentage distribution of Poultry by kind, private holdings, 1995/96 (1988 E.C.). 73
Table 27.1.1 - 27.5.1	East and West Welega zones..... 74-75
Table 27.1.2 - 27.5.2	Ilubabor and Jima zones..... 76-77
Table 27.1.3 - 27.5.3	North and West Shewa zones..... 78-79
Table 27.1.4 - 27.5.4	East Shewa, Arsi, Bale and Borena zones..... 80-81
Table 27.1.5 - 27.5.5	East and West Harerge zones..... 82-83

SOMALIE

Table 28.1	Number and Percentage distribution of Cattle, Sheep and Goats by sex and age for private holdings, 1995/96 (1988 E.C.)..... 84
Table 28.2	Number and Percentage distribution of Asses Asses by sex and age for private holdings, 1995/96 (1988 E.C.)..... 84
Table 28.3	Number and Percentage distribution of Camels by sex and age for private holdings, 1995/96 (1988 E.C.) 85

		<u>page</u>
Table 28.4	Cattle population aged two years and over by sex and Purpose for private holdings, 1995/96 (1988 E.C.).....	85
Table 28.5	Sheep and Goats population aged one year and over by sex and purpose for private holdings, 1995/96 (1988 E.C.)	86
Table 28.6	Number and Percentage distribution of Poultry by kind, private holdings, 1995/96 (1988 E.C.)	86

BENSHANGUL-GUMUZ

Table 29.1	Number and Percentage distribution of Cattle, Sheep and Goats by sex and age for private holdings, 1995/96 (1988 E.C.).....	87
Table 29.2	Number and Percentage distribution of Asses Asses by sex and age for private holdings, 1995/96 (1988 E.C.).....	87
Table 29.3	Cattle population aged two years and over by sex and Purpose for private holdings, 1995/96 (1988 E.C.).....	88
Table 29.4	Sheep and Goats population aged one year and over by sex and purpose for private holdings, 1995/96 (1988 E.C.)	88
Table 29.5	Number and Percentage distribution of Poultry by kind, private holdings, 1995/96 (1988E.C.)..	88

SOUTHERN NATIONS AND NATIONALITIES PEOPLE'S REGION (S.N.N.P.R)

Table 30.1	Number and Percentage distribution of Cattle, Sheep and Goats by sex and age for private holdings, 1995/96 (1988 E.C.).....	89
Table 30.2	Number and Percentage distribution of Horses and Asses by sex and age for private holdings, 1995/96 (1988 E.C.).....	89
Table 30.3	Cattle population aged two years and over by sex and Purpose for private holdings, 1995/96 (1988 E.C.).....	90
Table 30.4	Sheep and Goats population aged one year and over by sex and purpose for private holdings, 1995/96 (1988 E.C.)	90
Table 30.5	Number and Percentage distribution of Poultry by kind, private holdings, 1995/96 (1988 E.C.)..	90
Table 30.1.1 - 30.5.1	Yem, Keficho, Maji, Bench and Shekicho zones.....	91-92
Table 30.1.2 - 30.5.2	North and South Omo, Derashe and Konso zones.....	93-94
Table 30.1.3 - 30.5.3	Gurage, Kembata and Hadiya zones....	95-96
Table 30.1.4 - 30.5.4	Sidama, Gedio, Burji and Amaro zones.....	97-98

GAMBELA

Table 31.1	Number and Percentage distribution of Cattle, Sheep and Goats by sex and age for private holdings, 1995/96 (1988 E.C.).....	99
Table 31.2	Cattle population aged two years and over by sex and Purpose for private holdings, 1995/96 (1988 E.C.).....	99
Table 31.3	Sheep and Goats population aged one year and over by sex and purpose for private holdings, 1995/96 (1988 E.C.)	100
Table 31.4	Number and Percentage distribution of Poultry by kind, private holdings, 1995/96 (1988 E.C.)	100

HARARI

Table 32.1	Number and Percentage distribution of Cattle, Sheep and Goats by sex and age for private holdings, 1995/96 (1988 E.C.).....	101
Table 32.2	Number and Percentage distribution of Asses by sex and age for private holdings, 1995/96 (1988 E.C.).....	101
Table 32.3	Cattle population aged two years and over by sex and Purpose for private holdings, 1995/96 (1988 E.C.).....	102
Table 32.4	Sheep and Goats population aged one year and over by sex and purpose for private holdings, 1995/96 (1988 E.C.)	102
Table 32.5	Number and Percentage distribution of Poultry by kind, private holdings, 1995/96 (1988 E.C.)	102

ADDIS ABABA

Table 33.1	Number and Percentage distribution of Cattle, Sheep and Goats by sex and age for private holdings, 1995/96 (1988 E.C.).....	103
Table 33.2	Number and Percentage distribution of Horses and Asses by sex and age for private holdings, 1995/96 (1988 E.C.).....	103
Table 33.3	Cattle population aged two years and over by sex and Purpose for private holdings, 1995/96 (1988 E.C.).....	104
Table 33.4	Sheep and Goats population aged one year and over by sex and purpose for private holdings, 1995/96 (1988 E.C.)	104
Table 33.5	Number and Percentage distribution of Poultry by kind, private holdings, 1995/96 (1988 E.C.)	104

DIRE DAWA

Table 34.1	Number and Percentage distribution of Cattle, Sheep and Goats by sex and age for private holdings, 1995/96 (1988 E.C.).....	105
Table 34.2	Number and Percentage distribution of Horses and Asses by sex and age for private holdings, 1995/96 (1988 E.C.).....	105
Table 34.3	Number and Percentage distribution of Camels by sex and age for private holdings, 1995/96 (1988 E.C.)	106
Table 34.4	Cattle population aged two years and over by sex and Purpose for private holdings, 1995/96 (1988 E.C.).....	106
Table 34.5	Sheep and Goats population aged one year and over by sex and purpose for private holdings, 1995/96 (1988 E.C.)	107
Table 34.6	Number and Percentage distribution of Poultry by kind, private holdings, 1995/96 (1988 E.C.)..	107

1. INTRODUCTION

Agriculture is the dominant feature of the economy in which the livestock subsector is an integral part. Livestock and livestock products play an important role in the socio-economic development of many countries. Especially in many developing countries there is a growing demand for livestock products such as meat, milk and eggs to improve the nutritional status of the population.

Thus, Ethiopia is one of the developing countries where livestock and livestock products are important component of the agricultural sector. It is the livelihood of the majority of the population and generates foreign export earnings. Moreover, livestock help as a source of security and supplementary cash income for rural agricultural households. Draught animals provide power for the cultivation of many peasant agricultural holdings and supply the farm yards manure needed for the enrichment of the soils. In view of the above facts, if the livestock sub-sector is developed on a proper line, its contribution in the national self sufficiency program in agricultural production would be significant. Therefore, statistical information is highly essential on livestock and livestock products for the formulation of agricultural policy.

Since 1980/81 (1973 E.C.) the Central Statistical Authority has been conducting Agricultural Sample Survey on annual basis to provide this information. However, urban and nomadic areas were excluded in the survey. This bulletin presents the objectives of the survey; coverage and content of the survey; some basic concepts and definitions; sample design; field organization; training of field staff; method of data collection and survey results on Livestock, Poultry and

Beehives. Furthermore, it presents the appendices that comprise survey questionnaire, number of sampled EAs, number of EAs that are actually covered and not covered in the survey, number of households that has been planned to be covered and those actually covered, estimation procedure, standard errors and coefficient of variation by type for estimates of livestock, poultry and beehives. Like wise, standard errors and coefficient of variation for Cattle, Sheep Goats, Horses, Asses and Camels by age and Cattle, Sheep and Goats by purposes are presented in the appendix at national and regional level.

2. OBJECTIVES OF THE SURVEY

The general objective of the agricultural sample survey was to collect basic quantitative information on the nation's agriculture that are considered essential for development planning and socio-economic policy formulation.

In particular, the objective of the survey were to estimate the total cultivated land; total production and yield of major crops per hectare; crop land uses (temporary and permanent); quantity and cost of agricultural inputs by type; number of livestock and poultry by type, purpose, sex and age; number of beehives and honey production in the private peasant holdings at national, regional and reporting levels.

3. COVERAGE AND CONTENT

The 1995/96 (1988 E.C.) agricultural sample survey was designed to cover sedentary rural agricultural population in all regions of the country. Urban and nomadic areas were not included in the survey. Accordingly, a total of 54 zones and 367 weredas were covered by the survey. The areal coverage of the survey is given in the following table.

Table a. Areal COVERAGE OF THE 1995/96 AGRICULTURAL SAMPLE SURVEY

REGION	NUMBER OF ZONES			NUMBER OF WEREDAS	
	TOTAL	COVERED IN THE SURVEY	NOT COVERED IN THE SURVEY	PLANNED TO BE COVERED IN THE SURVEY	COVERED IN THE SURVEY
TIGRAY ¹	5	4	1	35	34
AFAR ²	5	2	3	6	4
AMHARA	10	10	-	96	95
OROMIYA	12	12	-	148	144
SOMALIE ³	9	3	6	6	5
BEN.-GUMUZ	3	2	1	6	5
S.N.N.P.R.	16	16	-	72	69
GAMBELA	1	1	-	5	4
HARARI	1	1	-	1	1
A. ABABA ⁴	6	2	4	5	5
DIRE DAWA	1	1	-	1	1
TOTAL	69	54	15	381	367

Note

- 1 - In Tigray Region, four out of five zones have rural settled population. In the remaining one zone the entire population is urban residents.
- 2 - Afar region has a total of five zones, but only two zones have significant sedentary rural population.
- 3 - Somalie region has a total of nine zones, however only three zones have significant sedentary rural population.
- 4 - Addis Ababa has a total of six zones, however, only two zones have rural settled population. In the remaining four zones the entire population is urban residents.

S.N.N.P.R = Southern Nations and Nationalities Peoples' Region

A total of 620 Enumeration Areas(EAs) i.e. 1.1% of the total agricultural EAs in the country were selected to be covered in all regions. But 9 of the sampled EAs were closed due to various reasons and the survey covered 611 EAs successfully. For details see **Appendix II** of this bulletin.

From each sampled Enumeration Area a total of 25 agricultural households were selected. Information was collected on type, number and characteristics of livestock, poultry and beehives from a total of 14923 agricultural households. For details see **Appendix III** of this bulletin.

In this bulletin, which is **volume II** of the 1995/96 annual agricultural sample survey information on number of livestock by type, sex, age category, purpose, number of poultry by kind, number of beehives by type and Average honey production for the country, regions and group of zones taken as reporting levels are presented.

4. BASIC CONCEPTS AND DEFINITIONS

The concepts and definitions used in the survey are defined 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.

Holder: A holder is a person who exercises management control over the operations of the agricultural holding and takes the major decision regarding the utilisation of the available resources. He has technical and economic responsibility for the holding. He may operate the holding directly as an owner or as a manager.

Under conditions of traditional agricultural holding the holder 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 utilisation of the products.

Holding: A holding is all the land and 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.

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.

Draught Animals: Defined for the survey as animals that are engaged in activities such as ploughing, threshing... etc.

Milch Cows: refer to any cow used to give milk previously and have a potential to give or provide milk currently or have never given milk before but expected to give milk in the future. Heifers are not included in this category.

Meat purpose: cattle, sheep and goats reared only for meat either for home consumption or for sale according to the respondent.

Other purposes: Cattle which are used in activities like transporting... etc. other than animals kept for draught, milk and beef purposes are categorized as cattle for other purposes. Moreover, Sheep that are kept for breeding, wool harvesting ...etc. and Goats kept for milk are included in this category.

5. SAMPLE DESIGN

A two-stage stratified sample design was used for the 1995/96 (1988 E.C.) Annual Agricultural Sample Survey. In three regions, namely, in Amhara, Oromiya and Southern Nations and Nationalities Peoples' Region, groups of contiguous zones were treated as strata/reporting levels of the survey results. In the remaining regions, the reporting levels were the regions themselves. The primary sampling units in all strata were Enumeration Areas (EAs).

A fixed number of sample EAs was determined for each stratum/reporting level based on precision of estimates, household size of the stratum and cost considerations. The overall sample number of EAs in a stratum was proportionately allocated to zones/special weredas within the stratum to their population size. From within each Zone/Special wereda sample EAs were selected with probability proportional to size, size being the total number of households of EAs as obtained from the 1994 census map work. From each sampled EA, 25 agricultural households were sampled systematically without replacement from a fresh list of agricultural households.

The livestock survey questionnaire were administered to all agricultural holders in the sampled 25 agricultural households.

6. FIELD ORGANIZATION

The branch statistical office heads of the Central Statistical Authority, field supervisors and enumerators were fully involved in the survey. Hence, 15 statistical branch office heads, about 140 field supervisors, each supervising 5 enumerators in most cases and about 651 enumerators (including reserves enumerators) stationed in each of the selected EAs, experts from head office, other support staff and about 62 drivers were involved in the operation.

For all enumerators, the necessary survey equipment such as compasses, protractors, rulers, measuring tapes, balance scales, poles, ropes, sample bags, ...etc. were made available for the survey. Moreover, about 62 vehicles were put on the operation to facilitate the field work.

7. TRAINING OF FIELD STAFF

At the outset all relevant materials, like equipment were procured and questionnaires and instruction manuals were prepared and printed. Then the training program for the fields staff was carried out in two stages. In the first stage, about 90 trainees, i.e. experts from the head office, branch statistical office heads and some of the field supervisors were given training for one week at the head office. Some of those trained in the first stage conducted similar training for about 140 field supervisors and about 651 enumerators for 10 days in all the 15 branch offices all over the country. During the training, the field staff were given detailed class room instruction on the objective and uses of the survey, concepts and definitions of terms used, methods of area measurement, method of crop cutting, interviewing procedures, ... etc. The training sessions included thorough field practices with regard to data collection.

8. METHOD OF DATA COLLECTION

In each selected EAs 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 a systematic sampling techniques. Thus all agricultural holders belonging to the selected agricultural households were interviewed and the appropriate data were collected. The reference date for enumerating livestock, poultry & beehives was January 1st of 1996.

9. EDITING, CODING AND VERIFICATION

The editing and coding instruction manuals were prepared and printed. Then intensive training was given to the editors for three days. About 20 editors-coders were involved to accomplish the editing and coding tasks. In due course, two professional staffs were assigned to answer questions, clear doubts,...etc. so as to facilitate the editing and coding activity. In addition, the edited and coded questionnaires were checked by about 10 supervisors/verifiers. The verification was done on 100% basis.

10. DATA ENTRY, CLEANING AND PROCESSING

About 40 data encoders have participated in the data entry activity on shift basis(20 in the morning and 20 in the afternoon). Unlike the previous years, the data was entered in personal computers using IMPS (Integrated Microcomputer Processing System) software. Then, the data entered was checked and cleaned by four regular staffs. Finally, the data processing activity was also done by personal computers(PCs) to produce results which were indicated in the tabulation plan and this operation was performed by four programmers.

11. SUMMARY OF RESULTS

11.1 NATIONAL DISTRIBUTION OF LIVESTOCK, POULTRY AND BEEHIVES

The estimated number and percentage distribution of livestock, poultry and beehives population of private peasant holdings by type and sex is presented in Table 1.

Table 1. Number and Percentage distribution of LIVESTOCK, POULTRY and BEEHIVES population by type and sex, for private holdings, NATIONAL*, 1995/96(1988 E.C.)

Number in Thousands

TYPE AND SEX	MALE		FEMALE		TOTAL	
	Number	%	Number	%	Number	%
Cattle	14434.15	24.50	17321.21	29.40	31755.36	53.89
Sheep	3469.30	5.89	9329.97	15.83	12799.27	21.72
Goats	3243.71	5.51	6725.25	11.41	9968.96	16.92
Horses	534.49	0.91	554.04	0.94	1088.53	1.85
Asses	1367.90	2.32	1478.22	2.51	2846.12	4.83
Mules	94.86	0.16	119.88	0.20	214.74	0.36
Camels	121.50	0.21	126.38	0.21	247.88	0.42
Total	23265.91	39.49	35654.95	60.51	58920.86	100.00
Poultry	-	-	-	-	33353.59	100.00
Beehives	-	-	-	-	3549.87	100.00

*the survey does not include nomadic and urban areas in the country

As indicated in Table 1 the total number of livestock population is estimated to be about 59 million heads in which the share of cattle, sheep and goats is about 31.76 million (53.89%), 12.80 million (21.72%) and 9.97 million heads (16.92%) respectively. The remaining 4.4 million (7.46%) are draught animals. Among draught animals asses have a considerable share which amounts to 2.8 million heads. The number of poultry population and beehives reported is found to be 33.35 million and 3.55 million respectively.

As Shown in the following table, Table 2, the number of livestock has increased by 6.85% where as the poultry and beehives population has increased by 29.55% and 26.06%, respectively.

It must be noted that due to the limited coverage of the sample survey in the nomadic areas such as Afar, Somalie and Borena where camel population is predominant ,the figures on camels may be used with caution.

It should be noticed that group of zones sums may not equal regional or national totals because of rounding. Moreover "-" indicates no data was reported.

***"In the tables represent estimates that are not considered to be reliable due to small sample size or the item in that specified area is rare. Thus, such estimates are not reported in the result tables, however, their contribution is incorporated in the total estimates. For instance, in Table 4, Gambela region have reported sheep, but the result was considered unreliable and could not be shown corresponding to the region. Nevertheless, the total of all regions have the contribution from Gambela. The total estimate is reliable and acceptable in totality.

Table 2 Number and Percentage change of LIVESTOCK, POULTRY and BEEHIVES population in 1994/95 (1987 E.C.) and 1995/96 (1988 E.C.) by Type for private peasant holdings, National*

Number in Thousands

Type and Sex	Male			Female			Total		
	1994/95 (1987 E.C.)	1995/96 (1988 E.C.)	% change	1994/95 (1987 E.C.)	1995/96 (1988 E.C.)	% change	1994/95 (1987 E.C.)	1995/96 (1988 E.C.)	% change
Cattle	13458.05	14418.18	7.13	16366.98	17341.17	5.95	29825.03	31759.35	6.49
Sheep	3022.21	3472.57	14.90	8523.64	9337.48	9.55	11545.85	12810.05	10.95
Goats	3180.93	3247.90	2.11	6430.70	6732.55	4.69	9611.63	9980.45	3.84
Horses	558.27	534.63	-4.23	563.02	554.12	-1.58	1121.29	1088.75	-2.90
Asses	1206.63	1368.86	13.44	1395.27	1477.90	5.92	2601.90	2846.76	9.41
Camels	78.33	121.50	55.11	169.83	126.38	-25.58	248.16	247.88	-0.11
Mules	101.05	95.03	-5.96	114.04	119.99	5.22	215.09	215.02	-0.03
Total	21605.47	23258.67	7.65	33563.48	35689.59	6.33	55168.95	58948.26	6.85
Poultry							25776.28	33392.74	29.55
Beehives							2821.56	3556.78	26.06

* Excluding Nomadic and Urban Areas

Fig. 1 Number of Livestock by Sex, private holdings, 1995/96 (1988 E.C.)

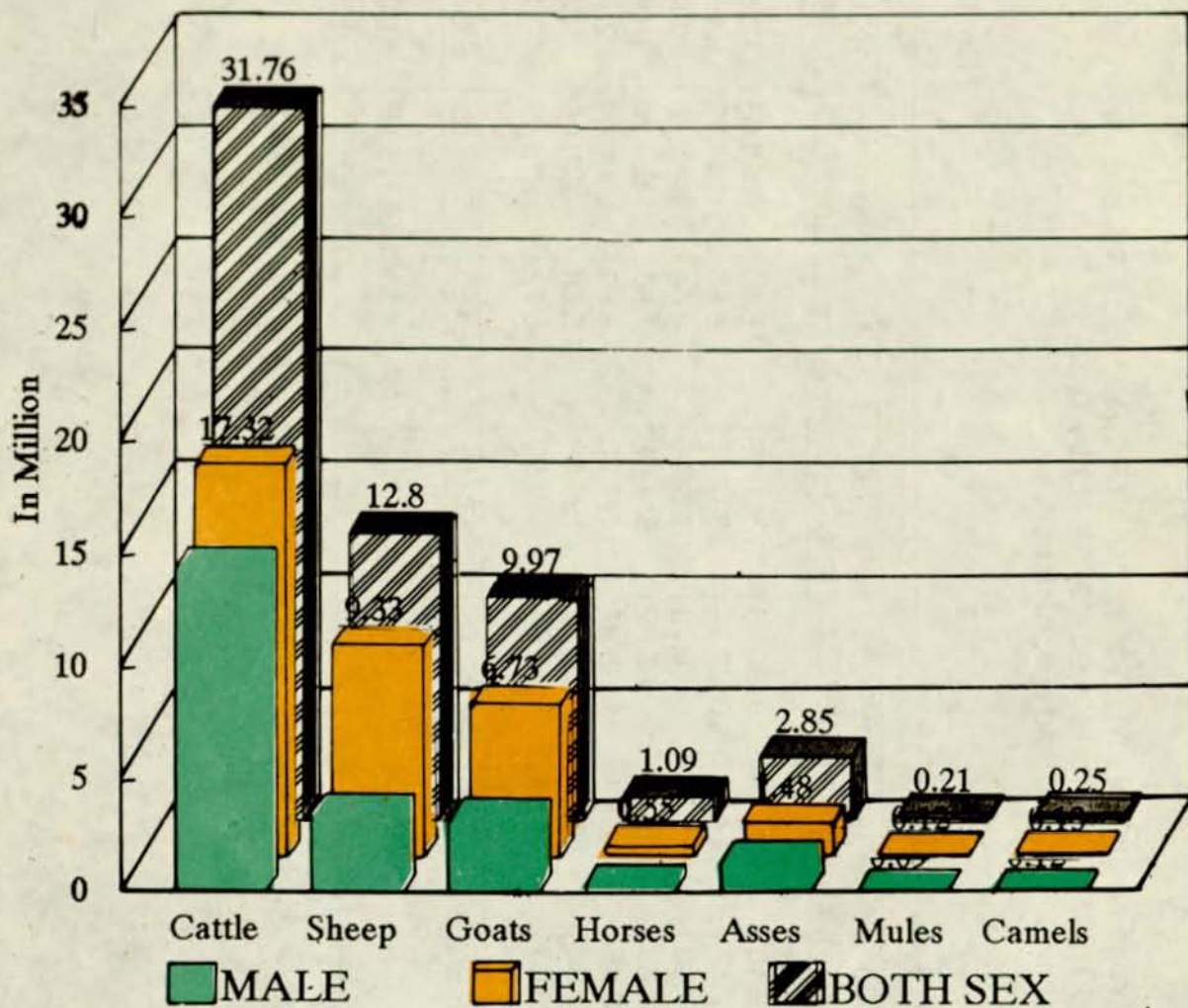
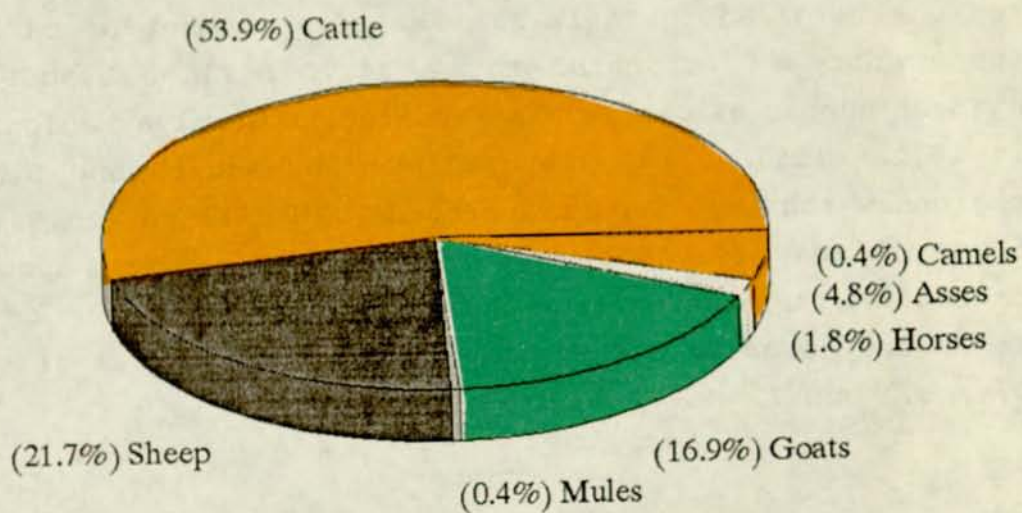


Fig. 2 Percentage Distribution of Livestock,
private holdings,
1995/96 (1988 E.C.)



11.2 REGIONAL AND GROUP-ZONAL DISTRIBUTION

A. CATTLE, SHEEP AND GOATS

Distribution of livestock, poultry and beehives by regions and group of zones are given in Tables 3 to 11.3 and the descriptions on each type of livestock are given below.

CATTLE

The number of cattle and its percentage distribution by regions is given in Table 3. The total number of cattle in the country is estimated to be 31.76 million heads. The highest number of cattle was reported in Oromiya region which is 15.13 million, (47.65%) followed by Amhara and S.N.N.P. regions which have reported around 8.25 million (25.99%) and 5.56 million, (17.49%) respectively. Moreover, number of cattle and their percentage share for different group of zones in Amhara, Oromiya and S.N.N.P. Regions are given in Tables 3.1, 3.2 and 3.3.

SHEEP

As shown in Table 4, the total number of sheep in the country is found to be about 12.80 million. Of this, Oromiya region has reported the highest share, that is 5.19 million heads which comprises 40.55% of the total population. Amhara and S.N.N.P. regions have significant proportion of sheep following Oromiya region having 4 million (31.21%) and 2.2 million (17.18%) of sheep population respectively. Distribution of Sheep for all reporting levels are given in Tables 4.1, 4.2 and 4.3.

GOATS

Table 5 presents regional distribution of goats population. As it is shown in the table, significant number of goats are reported in Oromiya region which is 3.62 million, (36.33%). Amhara region has reported about 3.20 million, (32.06%) followed by Tigray which is 1.30 million, (12.98%). Distribution of goats for all reporting levels are given in Tables 5.1, 5.2 and 5.3.

Table 3 Number and Percentage Distribution of CATTLE by Sex and Region for Private Holdings, 1995/96 (1988 E.C.)

Region	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
Tigray	875.45	2.76	853.41	2.69	1,728.86	5.44
Afar	87.08	0.27	136.08	0.43	223.16	0.70
Amhara	4,277.32	13.47	3,975.85	12.52	8,253.17	25.99
Oromiya	6,882.88	21.67	8,249.63	25.98	15,132.51	47.65
Somalie	183.61	0.58	365.16	1.15	548.77	1.73
Benshangul-Gumuz	101.50	0.32	107.02	0.34	208.52	0.66
S.N.N.P.R.	1,987.51	6.26	3,567.72	11.24	5,555.23	17.49
Gambela	4.27	0.01	13.45	0.04	17.72	0.06
Harari	8.97	0.03	13.72	0.04	22.69	0.07
Addis Ababa	13.35	0.04	10.85	0.03	24.20	0.08
Dire Dawa	12.21	0.04	28.32	0.09	40.53	0.13
Total	14,434.15	45.45	17,321.21	54.55	31,755.36	100.00

Table 3.1 Number and Percentage Distribution of CATTLE by Sex and group of zones in Amhara Region for Private Holdings, 1995/96 (1988 E.C.)

Zones	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
North and South Gonder	1,200.91	14.55	1,302.64	15.78	2,503.55	30.33
East, West Gojam and Agewawi	1,355.35	16.42	1,175.72	14.25	2,531.07	30.67
North Wolo and Waghamra	434.09	5.26	426.20	5.16	860.29	10.42
South Wolo, Oromia and North Shewa	1,286.97	15.59	1,071.30	12.98	2,358.27	28.57
Total	4,277.32	51.83	3,975.85	48.17	8,253.17	100.00

Table 3.2 Number and Percentage Distribution of CATTLE by Sex and group of zones in Oromiya Region for Private Holdings, 1995/96 (1988 E.C.)

Zones	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
East and West Welega	957.05	6.32	1,059.49	7.00	2,016.54	13.33
Ilubabor and Jima	916.06	6.05	949.13	6.27	1,865.19	12.33
North and West Shewa	1,528.89	10.10	1,613.92	10.67	3,142.81	20.77
East Shewa, Arsi, Bale and Borena	2,760.24	18.24	3,675.61	24.29	6,435.85	42.53
East and West Harerge	720.65	4.67	951.48	6.29	1,672.13	11.05
Total	6,882.88	45.48	8,249.63	54.52	15,132.51	100.00

Table 3.3 Number and Percentage Distribution of CATTLE by Sex and group of zones in S.N.N.P. Region for Private Holdings, 1995/96 (1988 E.C.)

Zones	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
Yem, Keficho, Maji, Bench and Shekicho	230.84	4.16	350.34	6.31	581.18	10.46
North and South Omo, Derashe and Konso	599.28	10.97	900.00	16.20	1,499.28	26.99
Gurage, Kembata and Hadiya	744.90	13.41	1,386.45	24.96	2,131.35	38.37
Sidama, Gedio, Burji and Amaro	412.49	7.43	930.93	16.76	1,167.642	24.18
Total	1,987.51	35.78	3,567.72	64.22	5,555.23	100.00

Table 4 Number and Percentage Distribution of SHEEP by Sex and Region for Private Holdings, 1995/96 (1988 E.C.)

Region	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
Tigray	290.75	2.27	736.87	5.76	1,027.62	8.03
Afar	18.53	0.14	20.99	0.16	39.52	0.31
Amhara	1,037.48	8.11	2,957.08	23.10	3,994.56	31.21
Oromiya	1,443.96	11.28	3,745.79	29.27	5,189.74	40.55
Somalie	65.22	0.51	172.05	1.34	237.27	1.85
Benshangul-Gumuz	20.54	0.16	40.10	0.31	60.64	0.47
S.N.N.P.R	577.16	4.51	1,621.15	12.67	2,198.31	17.18
Gambela	**	**	**	**	**	**
Harari	1.55	0.01	2.94	0.02	4.49	0.04
Addis Ababa	1.03	0.01	2.85	0.02	3.88	0.03
Dire Dawa	11.73	0.09	26.17	0.20	37.89	0.30
Total	3,469.30	27.11	9,329.97	72.89	12,799.27	100.00

Table 4.1 Number and Percentage Distribution of SHEEP by Sex and group of zones in Amhara Region for private holdings, in 1995/96 (1988 E.C.)

Zones	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
North and South Gonder	160.30	4.01	438.73	10.98	599.03	15.00
East, West Gojam and Agewawi	235.26	5.89	796.73	19.95	1,031.99	25.83
North Wolo and Waghamra	117.00	2.93	378.72	9.48	495.72	12.41
South Wolo, Oromia and North Shewa	524.93	13.14	1,342.90	33.62	1,867.83	46.76
Total	1,037.48	25.97	2,957.08	74.03	3,994.56	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 4.2 Number and Percentage Distribution of SHEEP by Sex and group of zones
in Oromiya Region for private holdings, in 1995/96 (1988 E.C.)

Zones	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
East and West Welega	143.69	2.77	411.17	7.92	554.86	10.69
Ilubabor and Jima	249.26	4.80	679.35	13.09	928.61	17.89
North and West Shewa	389.04	7.50	1,071.29	20.64	1,460.33	28.14
East Shewa, Arsi, Bale and Borena	447.21	8.62	1,253.98	24.16	1,701.19	32.78
East and West Harerge	214.76	4.14	330.00	6.36	544.76	10.50
Total	1,443.96	27.82	3,745.79	72.18	5,189.74	100.00

Table 4.3 Number and Percentage Distribution of SHEEP by Sex and group of zones
in S.N.N.P. Region by Group of Zones for private holdings, in 1995/96 (1988 E.C.)

Zones	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
Yem, Keficho, Maji, Bench and Shekich	88.66	4.03	238.55	10.85	327.20	14.88
North and South Omo, Derashe and Kons	163.32	7.43	473.28	21.53	636.60	28.96
Gurage, Kembata and Hadiya	154.12	7.01	422.16	19.20	576.28	26.21
Sidama, Gedio, Burji and Amaro	171.07	7.78	487.16	22.16	658.23	29.94
Total	577.16	26.25	1,621.15	73.75	2,198.31	100.00

Table 5 Number and Percentage Distribution of GOATS by Sex and Region for Private Holdings, 1995/96 (1988 E.C.)

Number in Thousands

Region	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
	Tigray	417.73	4.19	875.91	8.79	1,293.64
Afar	50.15	0.50	78.61	0.79	128.76	1.29
Amhara	1,053.56	10.57	2,142.79	21.49	3,196.36	32.06
Oromiya	1,196.83	12.01	2,424.82	24.32	3,621.65	36.33
Somalie	89.37	0.90	182.29	1.83	271.66	2.73
Benshangul-Gumuz	40.20	0.40	97.39	0.98	137.59	1.38
S.N.N.P.R	355.65	3.57	839.31	8.42	1,194.96	11.99
Gambela	**	**	**	**	**	**
Harari	4.51	0.05	10.66	0.11	15.16	0.15
Addis Ababa	1.88	0.02	3.14	0.03	5.02	0.05
Dire Dawa	30.80	0.31	63.22	0.63	94.03	0.94
Total	3,243.71	32.54	6,725.25	67.46	9,968.97	100.00

Table 5.1 Number and Percentage Distribution of GOATS by Sex and group of zones in Amhara Region for private holdings, in 1995/96 (1988 E.C.)

Number in Thousands

Zones	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
	North and South Gonder	288.26	9.02	631.10	19.74	919.36
East, West Gojam and Agewawi	173.91	5.44	409.84	12.82	583.75	18.26
North Wolo and Waghamra	162.38	5.08	364.26	11.40	526.64	16.48
South Wolo, Oromia and North Shewa	429.01	13.42	737.59	23.08	1,166.60	36.50
Total	1,053.56	32.96	2,142.79	67.04	3,196.36	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 5.2 Number and Percentage Distribution of GOATS by Sex in Oromiya Region by Group of Zones for private holdings, in 1995/96 (1988 E.C.)

Zones	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
East and West Welega	69.67	1.92	168.13	4.64	237.80	6.57
Ilubabor and Jima	66.49	1.84	195.22	5.39	261.71	7.23
North and West Shewa	143.20	3.95	254.50	7.03	397.69	10.98
East Shewa, Arsi, Bale and Borena	626.84	17.31	1,234.08	34.08	1,860.92	51.38
East and West Harerge	290.62	8.02	572.90	15.82	863.53	23.84
Total	1,196.83	33.05	2,424.82	66.95	3,621.65	100.00

Table 5.3 Number and Percentage Distribution of GOATS by Sex and group of zones in S.N.N.P. Region by Group of Zones for private holdings, in 1995/96 (1988 E.C.)

Zones	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
Yem, Keficho, Maji, Bench and Shekich	41.47	3.47	109.13	9.13	150.60	12.60
North and South Omo, Derashe and Kons	166.58	13.94	329.77	27.60	496.35	41.54
Gurage, Kembata and Hadiya	85.06	7.12	228.89	19.15	313.95	26.27
Sidama, Gedio, Burji and Amaro	62.54	5.23	171.52	14.35	234.06	19.59
Total	355.65	29.76	839.31	70.24	1,194.96	100.00

B. DRAUGHT ANIMALS

HORSES

Regional distribution of horses is given in Table 6. The three regions, Amhara, Oromiya and S.N.N.P. regions constitute 99.96% of the total horse population in which Oromiya's share is about 58%. Except Addis Ababa and Somalie regions the remaining 6 regions reported none. Distribution of horses for all reporting levels in Amhara, Oromiya and S.N.N.P. regions are given in Tables 6.1, 6.2 and 6.3.

ASSES

As it is shown in Table 7, the asses population is estimated to be 2.85 million heads. Among these population Oromiya and Amhara regions constitutes 81.44% of the total asses population and Tigray has contributed about 9.2% of the total number of asses in the country. Distribution of Asses for all reporting levels are presented in Table 7.1, 7.2 and 7.3.

MULES

The total number of mules estimated in the country is 214.74 thousands heads. Among these population Amhara and Oromiya regions constituted 70.63% of the total population. In Amhara region, South Wolo, Oromiya and North Shewa group of zones has reported a significant number where as East Shewa, Arsi, Bale and Borena together have a considerable share in Oromiya region. Distribution of Mules for all reporting levels are given in Table 8.1, 8.2 and 8.3.

CAMELS

The total number of camels estimated in the country is 247.9 thousands heads. Except Tigray, Afar, Amhara, Oromiya, Somalie and Dire Dawa regions, the remaining 5 regions reported none. North Wolo and Waghamra, South Wolo, Oromiya and North Shewa group of zones in Amhara regions and East Shewa, Arsi, Bale and Borena zones, East and West Harerge in Oromiya region have reported camels, but due to high coefficient of variation (less reliability) the figures are not shown in this bulletin. Nevertheless, they are incorporated in the national estimates.

Table 6 Number and Percentage Distribution of HORSES by Sex and Region for Private Holdings, 1995/96 (1988 E.C.)

Region	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
Tigray	-	-	-	-	-	-
Afar	-	-	-	-	-	-
Amhara	116.86	10.74	133.07	12.22	249.92	22.96
Oromiya	307.31	28.23	324.19	29.78	631.51	58.02
Somalie	**	**	-	-	**	**
Benshangul-Gumuz	-	-	-	-	-	-
S.N.N.P.R	109.77	10.08	96.78	8.89	206.55	18.98
Gambela	-	-	-	-	-	-
Harari	-	-	-	-	-	-
Addis Ababa	0.29	0.03	-	-	0.29	0.03
Dire Dawa	-	-	-	-	-	-
Total	534.49	49.10	554.04	50.90	1,088.52	100.00

Table 6.1 Number and Percentage Distribution of HORSES by Sex and group of zones in Amhara Region for private holdings, in 1995/96 (1988 E.C.)

Zones	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
North and South Gonder	**	**	**	**	**	**
East, West Gojam and Agewawi	77.41	30.97	59.28	23.72	136.69	54.69
North Wolo and Waghamra	**	**	**	**	**	**
South Wolo, Oromia and North Shewa	25.22	10.09	42.83	17.14	68.06	27.23
Total	116.86	46.76	133.07	53.24	249.92	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 6.2 Number and Percentage Distribution of HORSES by Sex and group of zones in Oromiya Region for private holdings, in 1995/96 (1988 E.C.)

Zones	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
East and West Welega	**	**	**	**	**	**
Ilubabor and Jima	20.98	3.32	43.58	6.90	64.56	10.22
North and West Shewa	114.07	18.06	124.11	19.65	238.17	37.71
East Shewa, Arsi, Bale and Borena	151.26	23.95	132.63	21.00	283.89	44.95
East and West Harerge	**	**	**	**	7.14	1.13
Total	307.31	48.66	324.19	51.34	631.51	100.00

Table 6.3 Number and Percentage Distribution of HORSES by Sex and group of zones in S.N.N.P.Region for private holdings, in 1995/96 (1988 E.C.)

Zones	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
Yem, Keficho, Maji, Bench and Shekich	20.06	9.71	9.96	4.82	30.02	14.53
North and South Omo, Derashe and Kons	15.94	7.72	11.78	5.70	27.72	13.42
Gurage, Kembata and Hadiya	32.78	15.87	32.83	15.89	65.61	31.76
Sidama, Gedio, Burji and Amaro	40.99	19.85	42.20	20.43	83.19	40.28
Total	109.77	53.14	96.78	46.86	206.55	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 7 Number and Percentage Distribution of ASSES by Sex and Region for Private Holdings, 1995/96 (1988 E.C.)

Region	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
Tigray	137.63	4.84	123.81	4.35	261.44	9.19
Afar	7.09	0.25	9.39	0.33	16.48	0.58
Amhara	448.90	15.77	607.68	21.35	1,056.58	37.12
Oromiya	619.89	21.78	641.46	22.54	1,261.34	44.32
Somalie	29.82	1.05	19.38	0.68	49.20	1.73
Benshangul-Gumuz	10.49	0.37	6.65	0.23	17.14	0.60
S.N.N.P.R	105.17	3.70	64.04	2.25	169.22	5.95
Gambela	-	-	-	-	-	-
Harari	1.84	0.06	0.99	0.03	2.83	0.10
Addis Ababa	3.75	0.13	**	**	5.00	0.18
Dire Dawa	3.32	0.12	3.57	0.13	6.88	0.24
Total	1,367.90	48.06	1,478.22	51.94	2,846.12	100.00

Table 7.1 Number and Percentage Distribution of ASSES by Sex and group of zones in Amhara Region for private holdings, in 1995/96 (1988 E.C.)

Zones	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
North and South Gonder	120.97	11.45	163.96	15.52	284.94	26.97
East, West Gojam and Agewawi	94.62	8.968	155.49	14.72	250.11	23.67
North Wolo and Waghamra	40.07	3.79	73.00	6.91	113.07	10.70
South Wolo, Oromia and North Shewa	193.24	18.29	215.23	20.37	408.48	38.66
Total	448.90	42.49	607.68	57.51	1,056.58	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 7.2 Number and Percentage Distribution of ASSES by Sex and group of zones
in Oromiya Region by for private holdings, in 1995/96 (1988 E.C.)

Zones	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
East and West Welega	36.86	2.92	77.81	6.17	114.68	9.09
Ilubabor and Jima	13.33	1.06	7.75	0.61	21.09	1.67
North and West Shewa	143.00	11.34	169.35	13.43	312.36	24.76
East Shewa, Arsi, Bale and Borena	311.53	24.70	308.80	24.48	620.33	49.18
East and West Harerge	115.16	9.13	77.73	6.16	192.90	15.29
Total	619.89	49.14	641.46	50.86	1,261.34	100.00

Table 7.3 Number and Percentage Distribution of ASSES by Sex and group of zones
in S.N.N.P.Region for private holdings, in 1995/96 (1988 E.C.)

Zones	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
Yem, Keficho, Maji, Bench and Shekich	**	**	**	**	**	**
North and South Omo, Derashe and Kons	33.07	19.54	**	**	44.16	26.10
Gurage, Kembata and Hadiya	62.11	36.71	41.18	24.34	103.29	61.04
Sidama, Gedio, Burji and Amaro	9.75	5.76	11.03	5.76	20.78	12.28
Total	105.17	62.15	64.04	37.85	169.22	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 8 Number and Percentage Distribution of MULES by Sex and Region for Private Holdings, 1995/96 (1988 E.C.)

Region	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
Tigray	6.45	3.00	16.22	7.55	22.68	10.56
Afar	**	**	**	**	0.63	0.29
Amhara	25.99	12.10	46.48	21.64	72.47	33.75
Oromiya	41.50	19.33	37.70	17.56	79.20	36.88
Somalie	-	-	-	-	-	-
Benshangul-Gumuz	**	**	**	**	0.24	0.11
S.N.N.P.R	20.13	9.37	19.20	8.94	39.33	18.32
Gambela	-	-	-	-	-	-
Harari	-	-	-	-	-	-
Addis Ababa	**	**	**	**	0.19	0.09
Dire Dawa	-	-	-	-	-	-
Total	94.86	44.17	119.88	55.83	214.74	100.00

Table 8.1 Number and Percentage Distribution of MULES by Sex and group of zones in Amhara Region for private holdings, in 1995/96 (1988 E.C.)

Zones	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
North and South Gonder	**	**	5.74	7.92	10.69	14.75
East, West Gojam and Agewawi	**	**	**	**	**	** 6
North Wolo and Waghamra	3.76	5.19	3.96	5.46	7.72	10.65
South Wolo, Oromia and North Shewa	**	**	29.89	41.24	44.09	60.84
Total	25.99	35.86	46.48	64.14	72.47	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 8.2 Number and Percentage Distribution of MULES by Sex and group of zones in Oromiya Region for private holdings, in 1995/96 (1988 E.C.)

Zones	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
East and West Welega	10.08	12.73	7.30	9.22	17.38	21.94
Ilubabor and Jima	5.56	7.02	10.62	13.41	16.18	20.43
North and West Shewa	3.81	4.81	5.08	6.41	8.89	11.22
East Shewa, Arsi, Bale and Borena	22.05	27.84	14.70	18.56	36.75	46.40
East and West Harerge	-	-	-	-	-	-
Total	41.50	52.40	37.70	47.60	79.20	100.00

Table 8.3 Number and Percentage Distribution of MULES by Sex and group of zones in S.N.N.P.Region for private holdings, in 1995/96 (1988 E.C.)

Zones	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
Yem, Keficho, Maji, Bench and Shekicho	1.84	4.68	3.34	8.49	5.18	13.17
North and South Omo, Derashe and Konso	5.83	14.82	**	**	11.01	27.99
Gurage, Kembata and Hadiya	9.10	23.14	8.01	20.37	17.11	43.50
Sidama, Gedio, Burji and Amaro	**	**	**	**	6.03	15.33
Total	20.13	51.18	19.20	48.82	39.33	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 9 Number and Percentage Distribution of CAMELS by Sex and Region for
Private Holdings, 1995/96 (1988 E.C.)

Region	Number in Thousands					
	MALE		FEMALE		BOTH SEX	
	Number	%	Number	%	Number	%
Tigray	**	**	**	**	**	**
Afar	8.69	3.51	**	**	25.22	10.17
Amhara	**	**	-	-	**	**
Oromiya	**	**	**	**	**	**
Somalie	45.73	18.45	**	**	67.39	27.19
Benshangul-Gumuz	-	-	-	-	-	-
S.N.N.P.R	-	-	-	-	-	-
Gambela	-	-	-	-	-	-
Harari	-	-	-	-	-	-
Addis Ababa	-	-	-	-	-	-
Dire Dawa	**	**	1.26	0.51	**	**
Total	121.50	49.02	126.38	50.98	247.88	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

POULTRY

The total number of poultry population in the country for private peasant holdings amounts to about 33.4 million as shown in Table 10. Regarding regional distribution Oromiya, Amhara and S.N.N.P. regions constitutes 29.4 million of poultry which is 88% of the total population. Distribution of Poultry population within Amhara, Oromiya and S.N.N.P regions for each reporting level are given in table 10.1, 10.2 and 10.3.

BEEHIVES

The estimated number of beehives in the country is 3.55 million, of these around 99.9% is traditional beehives. Amhara, Oromiya and S.N.N.P regions constitute about 81.62% of the total number of beehives in the country. Amhara, Benshangul-Gumuz and S.N.N.P regions have reported modern beehives. However those estimates could not be reported in Table 11 because of high coefficient of variation. Distribution of Beehives for all reporting levels are presented in Tables 11.1 ,11.2 and 11.3.

Table 10 Number and Percentage Distribution of POULTRY BY
Region for Private Holdings, 1995/96 (1988 E.C.)

Region	Number in Thousands	
	Number	%
Tigray	2,952.08	8.85
Afar	151.19	0.45
Amhara	9,718.93	29.14
Oromiya	12,334.97	36.98
Somalie	151.35	0.45
Benshangul-Gumuz	459.09	1.38
S.N.N.P.R.	7,307.01	21.91
Gambela	167.13	0.50
Harari	32.80	0.10
Addis Ababa	16.07	0.05
Dire Dawa	62.97	0.19
Total	33,353.59	100.00

Table 10.1 Number and Percentage Distribution of POULTRY by group
of zones in Amhara Regions for Private Holdings,
1995/96 (1988 E.C.)

Zones	Number in Thousands	
	Number	%
North and South Gonder	3,103.07	31.93
East, West Gojam and Agewawi	2,391.64	24.61
North Wolo and Waghamra	1,083.99	11.15
South Wolo, Oromia and North Shewa	3,140.23	32.31
Total	9,718.93	100.00

Table 10.2 Number and Percentage Distribution of POULTRY by group of zones in Oromiya Regions for Private Holdings, 1995/96 (1988 E.C.)

Zones	Number in Thousands	
	Number	%
East and West Welega	1,888.59	15.31
Ilubabor and Jima	1,697.58	13.76
North and West Shewa	1,880.00	15.24
East Shewa, Arsi, Bale and Borena	4,595.94	37.26
East and West Harerge	2,272.86	18.43
Total	12,334.97	100.00

Table 10.3 Number and Percentage Distribution of POULTRY by group of zones in S.N.N.P. Regions for Private Holdings, 1995/96 (1988 E.C.)

Zones	Number in Thousands	
	Number	%
Yem, Keficho, Maj, Bench and Shekicho	959.65	13.13
North and South Omo, Derashe and Konso	2,439.57	33.39
Gurage, Kembata and Hadiya	2,220.83	30.39
Sidama, Gedio, Burji and Amaro	1,686.96	23.09
Total	7,307.01	100.00

Table 11 Number and Percentage Distribution of BEEHIVES by Region for Private Holdings, 1995/96 (1988 E.C.)

Region	Number in Thousands	
	TRADITIONAL	
	Number	%
Tigray	130.71	3.68
Afar	**	**
Amhara	554.14	15.61
Oromiya	1,684.98	47.47
Somalie	**	**
Benshangul-Gumuz	313.72	8.84
S.N.N.P.R	658.10	18.54
Gambela	**	**
Harari	0.33	0.01
Addis Ababa	**	**
Dire Dawa	**	**
Total	3,545.58	99.88

Table 11.1 Number and Percentage Distribution of BEEHIVES by group of zones in Amhara Region for private holdings, in 1995/96 (1988 E.C.)

Zones	Number in Thousands	
	TRADITIONAL	
	Number	%
North and South Gonder	202.63	36.49
East, West Gojam and Agewawi	185.88	33.47
North Wolo and Waghama	67.22	12.11
South Wolo, Oromia and North Shewa	98.40	17.72
Total	554.14	99.79

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 11.2 Number and Percentage Distribution of BEEHIVES by group of zones
in Oromiya Region for private holdings, in 1995/96 (1988 E.C.)
Number in Thousands

Zones	TRADITIONAL	
	Number	%
East and West Welega	675.09	40.07
Ilubabor and Jima	301.82	17.91
North and West Shewa	154.28	9.16
East Shewa, Arsi, Bale and Borena	486.10	28.85
East and West Harerge	67.69	4.02
Total	1,684.98	100.00

Table 11.3 Number and Percentage Distribution of BEEHIVES by group of zones
in S.N.N.P. Region for private holdings, in 1995/96 (1988 E.C.)
Number in Thousands

Zones	TRADITIONAL	
	Number	%
Yem, Keficho, Maji, Bench and Shekicho	267.77	40.54
North and South Omo, Derashe and Konso	211.90	32.08
Gurage, Kembata and Hadiya	115.90	17.55
Sidama, Gedio, Burji and Amaro	62.53	9.47
Total	658.10	99.63

11.3. DISTRIBUTION OF LIVESTOCK BY AGE GROUP

The Number and percentage distribution of cattle, sheep and goats by sex and age group are presented in Table 12. In the case of cattle about 72.24% of the total cattle are in the two years and over age category for both sexes . Concerning female sheep and goats the highest share is in the age group of two years and over where as, the young stocks under one year have the highest proportion in the male sheep and goats category.

Table 12 Number and Percentage Distribution of CATTLE, SHEEP and GOATS by Sex and Age for private holdings, National, 1995/96 (1988 E.C.)

SEX AND AGE GROUP	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	14434.15	45.45	3469.30	27.11	3243.71	32.54
Under 1 Year	2422.50	7.63	2122.70	16.58	1577.05	15.82
1 year & under 2	1803.00	5.68	566.94	4.43	623.66	6.26
2 years & over	10208.66	32.15	779.67	6.09	1043.00	10.46
Female Total	17321.21	54.55	9329.97	72.89	6725.25	67.46
Under 1 Year	2593.75	8.17	2222.49	17.36	1700.16	17.05
1 year & under 2	1997.93	6.29	1088.61	8.51	992.19	9.95
2 years & over	12729.53	40.09	6018.87	47.03	4032.90	40.45
Total Animal	31755.36	100.00	12799.27	100.00	9968.97	100.00

As can be seen in Table 13 the number of horses and asses are mainly found in the age group of 3 years and over for both male and female population. Regarding estimates of horses and asses in regional and reporting levels, those which have reported are presented in the annex tables except some reporting levels that the estimates are not shown due to high coefficient of variation (less reliability). The number and percentage distribution of camels by age and sex are presented in Table 14.

Regarding the national distribution of camels, the 4 years and over category constitutes around 78.2% of the total camel population. As it is mentioned above, the distribution of camels in the given age category for Tigray, Amhara and Oromiya regions and for some reporting levels in Amhara and Oromiya regions which have reported camels are not shown in the annex tables due to high coefficient of variation.

Table 13 Number and Percentage Distribution of HORSES and ASSES by sex and age, private holdings, National 1995/96 (1988 E.C.)

SEX AND AGE GROUP	Number in Thousands			
	HORSES		ASSES	
	Number	%	Number	%
Male Total	534.49	49.10	1367.90	48.06
Under 3 Years	107.77	9.90	422.42	14.84
3 Years and Over	426.71	39.20	945.47	33.22
Female Total	554.04	50.90	1478.22	51.94
Under 3 Years	120.17	11.04	363.87	12.78
3 Years and Over	433.87	39.86	1114.35	39.15
Total Animal	1088.52	100.00	2846.12	100.00

Table 14 Number and Percentage Distribution of CAMELS by sex and age, private holdings, National 1995/96 (1988 E.C.)

SEX AND AGE GROUP	Number in Thousands	
	Number	%
Male Total	121.50	49.02
Under 4 Years	22.82	9.20
4 Years and Over	98.69	39.81
Female Total	126.38	50.98
Under 4 Years	31.10	12.55
4 Years and Over	95.28	38.44
Total Animal	247.88	100.00

11.4. UTILIZATION OF LIVESTOCK, POULTRY AND BEEHIVES

11.4.1 CATTLE

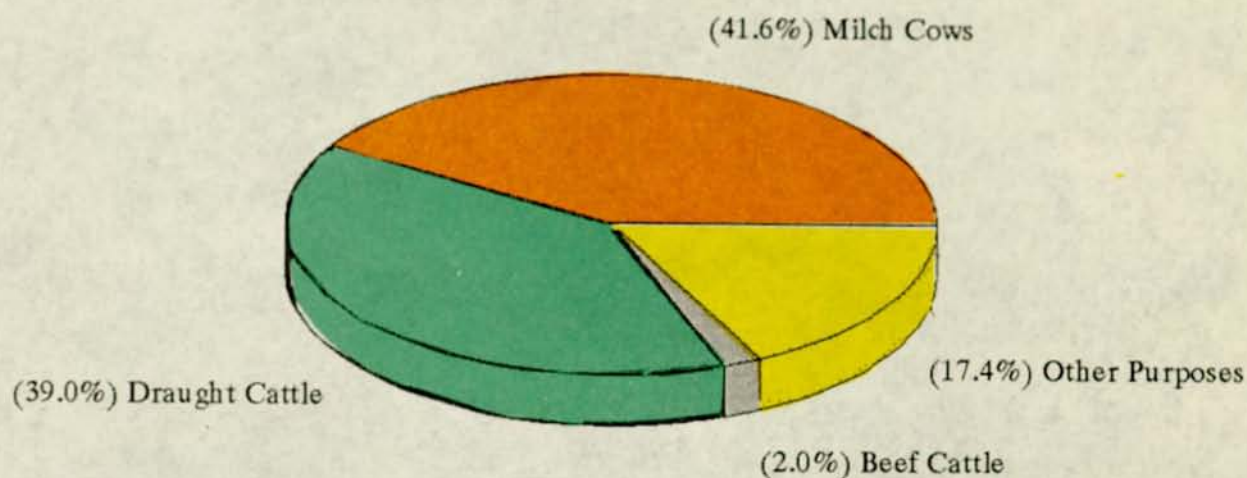
Table 15 Number and Percentage Distribution of CATTLE, Aged Two years and over by purpose for Private Holdings, National, 1995/96 (1988 E.C.)

PURPOSE	Number in Thousands	
	Number	%
Milch Cows	9543.08	41.60
Draught Cattle	8951.98	39.03
Beef Cattle	451.05	1.97
Other Purposes	3992.10	17.40
Total	22938.21	100.00

The number of milch cows are estimated to be 9.54 million heads (41.6%) out of the total cattle heads in the age group two years and over. Apart from milch cows in the given age group, cattle are mainly used for draught purposes which account for 39.03. The percentage share of beef cattle is 1.97% or 451 thousand heads.

Cattle used for transport or those cattle which are not specified else where are found to be 3.99 million heads and accounts for 17.40% out of the total heads in the specified age group. The terms used under purposes are well defined in the basic concepts and definitions. see page 5.

Fig. 3 Cattle Aged Two years and over
by purpose, private holdings
1995/96 (1988 E.C.)



In Table 16, regional distribution of Cattle aged two years and over by purpose, milch cows, draught cattle, beef cattle and cattle used for other purposes, are presented. Oromiya has reported the highest number followed by Amhara and S.N.N.P region. In addition, Tables 16.1, 16.2 and 16.3 show distribution of cattle used for different purposes in all reporting levels.

Table 16 Number and Percentage Distribution of CATTLE Aged Two Years and Over by Purpose and Region, Private Holdings, 1995/96 (1988 E.C.)

Region	Number in Thousands							
	Milch Cow		Draught Cattle		Beef Cattle		Cattle for Other Purposes	
	Number	%	Number	%	Number	%	Number	%
Tigray	449.78	4.71	626.61	7.00	16.90	3.75	150.98	3.78
Afar	72.47	0.76	42.49	0.48	12.56	2.78	27.68	0.69
Amhara	2,112.56	22.14	3,163.54	35.34	72.57	16.09	937.70	23.49
Oromiya	4,703.36	49.29	3,955.47	44.18	237.14	52.58	1,910.25	47.85
Somalia	178.43	1.87	83.51	0.93	**	**	54.53	1.37
Benshangul-Gumuz	58.13	0.61	54.35	0.61	**	**	29.53	0.74
S.N.N.P.R.	1,930.61	20.23	1,006.03	11.24	76.06	16.86	874.51	21.91
Gambela	7.57	0.08	**	**	**	**	**	**
Harari	8.54	0.09	5.18	0.06	0.38	0.08	1.17	0.03
Addis Ababa	5.34	0.06	9.88	0.11	0.63	0.14	3.11	0.08
Dire Dawa	16.28	0.17	4.74	0.05	**	**	**	**
Total	9,543.08	100.00	8,951.98	100.00	451.05	100.00	3,992.10	100.00

Table 16.1 Number and Percentage Distribution of CATTLE Aged Two Years and Over by purpose and group of zones in Amhara Region, Private Holdings, 1995/96 (1988 E.C.)

Zones	Number in Thousands							
	Milch Cow		Draught Cattle		Beef Cattle		Cattle for Other Purposes	
	Number	%	Number	%	Number	%	Number	%
North and South Gonder	714.16	33.81	864.96	27.34	22.31	30.74	279.70	29.83
East, West Gojam and Agewawi	599.27	28.37	1,035.56	32.73	17.51	24.13	339.05	36.16
North Wolo and Waghamra	218.84	10.36	332.94	10.52	6.99	9.63	86.51	9.23
South Wolo, Oromia and North Shewa	580.29	27.47	930.08	29.40	25.75	35.48	232.45	24.79
Total	2,112.56	100.00	3,163.54	100.00	72.57	100.00	937.70	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 16.2 Number and Percentage Distribution of CATTLE Aged Two Years and Over by purpose and Group of Zones in Oromiya Region, Private Holdings, 1995/96 (1988 E.C.)

Zones	Number in Thousands							
	Milch Cow		Draught Cattle		Beef Cattle		Cattle for Other Purposes	
	Number	%	Number	%	Number	%	Number	%
East and West Welega	579.28	12.32	528.52	13.36	10.41	4.39	267.02	13.98
Ilubabor and Jima	543.84	11.56	597.35	15.10	7.63	3.22	194.68	10.19
North and West Shewa	912.05	19.39	979.64	24.77	36.21	15.27	382.76	20.04
East Shewa, Arsi, Bale and Borena	2,112.84	44.92	1,407.48	35.58	147.80	62.33	945.47	49.49
East and West Harerge	555.34	11.81	442.48	11.19	5.10	14.80	120.32	6.30
Total	4,703.36	100.00	3,955.47	100.00	237.14	100.00	1,910.25	100.00

Table 16.3 Number and Percentage Distribution of CATTLE Aged Two Years and Over by purpose and Group of Zones in S.N.N.P. Region, Private Holdings, 1995/96 (1988 E.C.)

Zones	Number in Thousands							
	Milch Cow		Draught Cattle		Beef Cattle		Cattle for Other Purposes	
	Number	%	Number	%	Number	%	Number	%
Yem, Keficho, Maji, Bench and Shekicho	202.86	10.51	136.21	13.54	3.43	4.51	62.89	7.19
North and South Omo, Derashe and Konso	482.05	24.97	338.61	33.66	14.05	18.47	237.48	27.16
Gurage, Kembata and Hadiya	745.63	38.62	384.74	38.24	33.81	44.45	320.53	36.65
Sidama, Gedio, Burji and Amaro	500.07	25.90	146.47	14.56	24.76	32.55	253.61	29.00
Total	1,930.61	100.00	1,006.03	100.00	76.06	100.00	874.51	100.00

11.4.2 SHEEP AND GOATS

Table 17 shows the number and percentage share of sheep and goats raised for different purposes at national level. The percentage of sheep and goats that are kept for mutton and meat are 10.61% and 18.51% respectively. Over 80% of the sheep and goats are kept for other purposes.

Table 17 Number and Percentage Distribution of SHEEP and GOATS Aged ONE year and over by Purpose for private Holdings, National 1995/96 (1988 E.C.)

PURPOSES	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
For mutton\Meat	879.59	10.61	1248.37	18.51
For other purposes	7407.08	89.39	5495.30	81.49
Total	8286.67	100.00	6743.67	100.00

Out of all sheep kept for mutton in the country, Amhara, Oromiya and S.N.N.P regions constitutes 90.28%. Similarly 88.13% of sheep are raised for other purposes in these three regions. Moreover, in these three regions 86.87% and 78.78% of goats are raised for meat and other purposes respectively. (see Table 18).

Table 18 Number and Percentage Distribution of SHEEP and GOATS Aged One Year and Over by Purpose and Region, Private Holdings, 1995/96 (1988 E.C.)

Number in Thousands

Region	Sheep for				Goats for			
	Mutton		Other purposes		Meat		Other purposes	
	Number	%	Number	%	Number	%	Number	%
Tigray	20.80	2.36	665.80	8.99	79.37	6.36	798.52	14.53
Afar	8.81	1.00	22.79	0.31	24.83	1.99	65.82	1.20
Amhara	273.33	31.07	2,378.39	32.11	428.23	34.30	1,666.97	30.33
Oromiya	351.64	39.98	2,811.62	37.96	544.20	43.59	1,949.93	35.48
Somalie	46.04	5.23	130.35	1.76	33.16	2.66	158.15	2.88
Benshangul-Gumuz	2.12	0.24	32.55	0.44	8.50	0.68	76.64	1.39
S.N.N.P.R.	170.02	19.33	1,337.46	18.06	112.12	8.98	712.67	12.97
Gambela	**	**	2.47	0.03	0.58	0.05	5.12	0.09
Harari	0.52	0.06	2.41	0.03	1.72	0.14	8.66	0.16
Addis Ababa	0.46	0.05	2.17	0.03	0.27	0.02	3.05	0.06
Dire Dawa	**	**	21.07	0.28	15.39	1.23	49.78	0.91
Total	879.59	100.00	7,407.08	100.00	1,248.37	100.00	5,495.30	100.00

Table 18.1 Number and Percentage Distribution of SHEEP and GOATS Aged One Year and Over by purpose and Group of Zones in Amhara Region, Private Holdings, 1995/96 (1988 E.C.)

Number in Thousands

Zones	Sheep for				Goats for			
	Mutton		Other purposes		Meat		Other purposes	
	Number	%	Number	%	Number	%	Number	%
North and South Gonder	55.21	20.20	331.38	13.93	68.67	16.04	499.81	29.98
East, West Gojam and Agewawi	44.61	16.32	627.83	26.40	104.05	24.30	249.42	14.96
North Wolo and Waghamra	34.17	12.50	321.75	13.53	56.49	13.19	366.01	21.96
South Wolo, Oromia and North Shewa	139.34	50.98	1,097.43	46.14	199.02	46.48	551.73	33.10
Total	273.33	100.00	2,378.39	100.00	428.23	100.00	1,666.97	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 18.2 Number and Percentage Distribution of SHEEP and GOATS Aged One Year and Over by purpose and Group of Zones in Oromiya Region, Private Holdings, 1995/96 (1988 E.C.)

Zones	Number in Thousands							
	Sheep for				Goats for			
	Mutton		Other purposes		Meat		Other purposes	
	Number	%	Number	%	Number	%	Number	%
East and West Welega	16.96	4.82	295.92	10.52	**	**	129.02	6.62
Ilubabor and Jima	64.56	18.36	546.82	19.45	8.83	1.62	143.32	7.35
North and West Shewa	102.32	29.10	753.81	26.81	53.38	9.81	185.75	9.53
East Shewa, Arsi, Bale and Borena	113.78	32.36	955.45	33.98	251.67	46.25	1,029.56	52.80
East and West Harerge	54.01	15.36	259.62	9.23	121.70	22.36	462.27	23.71
Total	351.64	100.00	2,811.62	100.00	544.20	100.	1,949.93	100.00

Table 18.3 Number and Percentage Distribution of SHEEP and GOATS Aged One Year and Over by purpose and Group of Zones in S.N.N.P. Region, Private Holdings, 1995/96 (1988 E.C.)

Zones	Number in Thousands							
	Sheep for				Goats for			
	Mutton		Other purposes		Meat		Other purposes	
	Number	%	Number	%	Number	%	Number	%
Yem, Keficho, Maji, Bench and Shekicho	19.32	11.36	186.90	13.97	11.02	9.83	92.35	12.96
North and South Omo, Derash and Konso	56.23	33.07	391.99	29.31	59.77	53.31	294.57	41.33
Gurage, Kembata and Hadiya	44.26	26.03	332.75	24.88	24.39	21.75	175.79	24.67
Sidama, Gedio, Burji and Amaro	50.21	29.53	425.81	31.84	16.94	15.11	149.96	21.04
Total	170.02	100.00	1,337.46	100.00	112.12	100.00	712.67	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

11.4.3 DRAUGHT ANIMALS

As shown in Table 19, among the total draught animals, the percentage share of asses kept for draught purposes is considerably high (71.11%) where as percentage contribution of camels is the least which is only 0.86 % of the total . Here Draught purposes refers to animals that are used in agricultural practices such as ploughing, threshing and transporting to and from the farm. Furthermore, Table 20 presents regional distribution of draught animal for private holdings and Tables 20.1, 20.2 and 20.3 present zonal distribution for Amhara, Oromiya and S.N.N.P regions.

Table 19 Number and Percentage Distribution of DRAUGHT ANIMALS by Type for Private Holdings, National, 1995/96 (1988 E.C.)

TYPE	Number in Thousands	
	Number	%
Horses	238.02	20.38
Asses	830.68	71.11
Mules	89.47	7.66
Camels	10.02	0.86
Total	1168.19	100.00

Table 20 Number and Percentage Distribution of HORSES, ASSES, MULES and CAMELS used for Draught Purpose by type and Region, Private Holdings, 1995/96 (1988 E.C.)

Region	Number in Thousands							
	HORSES		ASSES		MULES		CAMELS	
	Number	%	Number	%	Number	%	Number	%
Tigray	-	-	166.67	20.06	**	**	**	**
Afar	-	-	**	**	**	**	**	**
Amhara	136.42	57.31	242.40	29.18	**	**	**	**
Oromiya	73.85	31.03	371.94	44.78	33.80	37.78	**	**
Somalie	-	-	3.38	0.41	-	-	-	-
Benshangul-Gumuz	-	-	**	**	-	-	-	-
S.N.N.P.R	27.74	11.65	37.65	4.53	15.93	17.80	-	-
Gambela	-	-	-	-	-	-	-	-
Harari	-	-	1.29	0.16	-	-	-	-
Addis Ababa	-	-	2.25	0.27	**	**	-	-
Dire Dawa	-	-	**	**	-	-	-	-
Total	238.02	100.00	830.68	100.00	89.47	100.00	9.18	100.00

Table 20.1 Number and Percentage Distribution of HORSES, ASSES, MULES and CAMELS used for Draught Purpose and and Group of Zones in Amhara Region , Private Holdings, 1995/96 (1988 E.C.)

Zones	Number in Thousands							
	HORSES		ASSES		MULES		CAMELS	
	Number	%	Number	%	Number	%	Number	%
North and South Gonder	**	**	101.30	41.79	5.73	24.74	-	-
East, West Gojam and Agewawi	82.80	60.6	**	**	**	**	-	-
North Wolo and Waghamra	**	**	49.94	20.60	0.59	2.55	**	**
South Wolo, Oromia and North Shewa	26.08	19.1	72.78	30.02	**	**	**	**
Total	136.42	100.0	242.40	100.00	**	**	**	**

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 20.2 Number and Percentage Distribution of HORSES, ASSES, MULES and CAMELS used for Draught Purpose and and Group of Zones in Oromiya Region , Private Holdings,1995/96 (1988 E.C.)

Zones	Number in Thousands							
	HORSES		ASSES		MULES		CAMELS	
	Number	%	Number	%	Number	%	Number	%
East and West Walega	**	**	14.93	4.01	7.30	21.60	-	-
Ilubabor and Jima	2.02	2.74	**	**	10.49	31.04	-	-
North and West Shewa	57.47	77.82	69.32	18.64	**	**	-	-
East Shewa, Arsi, Bale and Borena	-	-	155.95	41.93	14.70	43.49	**	**
East and West Harerge	**	**	129.32	34.77	-	-	-	-
Total	73.85	100.00	371.94	100.00	33.80	100.00	**	**

Table 20.3 Number and Percentage Distribution of HORSES, ASSES, MULES and CAMELS used for Draught Purpose and and Group of Zones in S.N.N.P. Region , Private Holdings,1995/96 (1988 E.C.)

Zones	Number in Thousands							
	HORSES		ASSES		MULES		CAMELS	
	Number	%	Number	%	Number	%	Number	%
Yem, Keficho, Maji, Bench and Shekicho	**	**	**	**	**	**	-	-
North and South Omo, Derashe	**	**	**	**	**	**	-	-
Gurage, Kembata and Hadiya	**	**	**	**	9.27	58.19	-	-
Sidama, Gedio, Burji and Amaro	**	**	2.62	6.96	**	**	-	-
Total	27.74	100.00	37.65	100.00	15.93	100.00	-	-

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

11.4.4 POULTRY

Poultry population by kind at national level is presented in Table 21. As it is shown in the table, the number of chicks is considerably high and accounts for about 44% followed by laying hens and pullets which constitute about 21% and 10% of the total poultry population respectively. Moreover, cocks and cockerels both contribute about 17% of the total poultry.

Table 21 Number and Percentage Distribution of POULTRY by Kind for private holdings, National
1995/96 (1988 E.C.)

Poultry by Kind	Number in Thousands	
	Number	%
Cocks	3143.43	9.42
Cockerels	2502.70	7.50
Pullets	3361.58	10.08
Laying Hens	6945.29	20.82
Non Laying Hens	2782.70	8.34
Chicks	14617.90	43.83
Total Poultry	33353.59	100.00

11.4.5 BEEHIVES

Average honey production per beehive per one production season, frequency of honey production per beehive in one year and total honey production are presented in the following tables, Table 22 and 23.

Regarding regional distribution using the traditional beehives, honey is found to be highly produced in Gambela region i.e. 11.75 Kg in one harvest as a result of the big sizes of beehives. In different reporting levels such as Gurage, Hadiya and Kembata in S.N.N.P region and North and South Gonder in Amhara region some outliers have been observed in the data. Average frequency of harvest in the year per beehive ranges from 0.80 in Addis Ababa to 2.01 in Dire Dawa.

As it is indicated in Table 23, honey is produced using modern beehives only in three regions namely, Amhara, Benshangul-Gumuz and S.N.N.P regions. Frequency of harvest in the year per modern beehive ranges from 1 to 2.5.

Table 22 Average Production of Honey Per Beehive, Frequency of Honey Production per year and Total Honey Production for private holdings, 1995/96 (1988 E.C.)

Region	Traditional		
	Average Honey Production per Beehive (in Kg) per production season	Frequency of Production per Year per Beehive	Total Honey Production (in thousands Kg)
Tigray	5.81	1.19	1028.13
Afar	3.02	1.05	32.56
Amhara	4.42	1.23	2958.60
Oromiya	3.88	1.09	7374.32
Somalie	2.67	1.00	2.28
Benshangul-Gumuz	3.35	1.49	1869.94
S.N.N.P.R	5.76	1.34	4816.51
Gambela	11.75	1.88	4482.12
Harari	1.51	1.31	0.71
Addis Ababa	2.80	0.80	0.97
Dire Dawa	3.88	2.01	6.11
Average/Total	4.76	1.24	22572.27

Table 22.1 Average Production of Honey Per Beehive, Frequency of Honey Production per year and Total Honey Production in Amhara Region by Group of Zones for private holdings 1995/96 (1988 E.C.)

Zones	Traditional		
	Average Honey Production per Beehive (in Kg) per production season	Frequency of Production per Year per Beehive	Total Honey production (in thousands Kg)
North and South Gonder Zones	5.28	1.25	1296.78
East, West Gojam and Agewawi	3.84	1.28	892.24
North Wolo and Waghamra Zone	4.74	1.24	374.91
South Wolo, Oromia and North Shewa	3.53	1.11	394.68
Average/Total	4.42	1.22	2958.60

Table 22.2 Average Production of Honey Per Beehive, Frequency of Honey Production per year and Total Honey Production in Oromiya Region by Group of Zones for private holdings 1995/96(1988 E.C.)

Zones	Traditional		
	Average Honey Production per Beehive (in Kg) per production season	Frequency of Production per Year per Beehive	Total Honey Production (in thousands Kg)
East and West Welega	2.80	1.09	2101.41
Ilubabor and Jima	2.39	1.06	788.06
North and West Shewa	5.58	1.13	1185.65
East Shewa, Arsi, Bale and Borena	5.64	1.04	2849.70
East and West Harerge	4.65	1.51	449.50
Average/Total	3.88	1.09	7374.32

Table 22.3 Average Production of Honey Per Beehive, Frequency of Honey Production per year and Total Honey Production in S.N.N.P. Region by Group of Zones for private holdings 1995/96(1988 E.C.)

Zones	Traditional		
	Average Honey Production per Beehive (in Kg) per production season	Frequency of Production per Year per Beehive	Total Honey Production (in thousands Kg)
Yem, Keficho, Maji, Bench and Shekicho	7.83	1.27	2363.24
North and South Omo, Derashe and Konso	3.26	1.29	883.18
Gurage, Kembata and Hadiya	6.69	1.72	1315.80
Sidama, Gedio, Burji and Amaro	3.61	1.15	254.29
Average/Total	5.76	1.34	4816.51

Table 23 Average Production of Honey Per Beehive, Frequency of Honey Production per year and Total Honey Production for private holdings 1995/96(1988 E.C.)

Region	Modern		
	Average Honey Production per Beehive (in Kg) per production season	Frequency of Production per Year per Beehive	Total Honey Production (in thousands Kg)
Tigray	-	-	-
Afar	-	-	-
Amhara	30.00	1.00	34.82
Oromiya	-	-	-
Somalie	-	-	-
Benshangul-Gumuz	7.28	2.00	9.90
S.N.N.P.R	19.00	2.50	138.59
Gambela	-	-	-
Harari	-	-	-
Addis Ababa	-	-	-
Dire Dawa	-	-	-
Average/Total	20.14	2.02	183.31

Table 23.1 Average Production of Honey Per Beehive, Frequency of Honey Production per year and Total Honey Production in Amhara Region by Group of Zones for private holdings 1995/96(1988 E.C.)

Zones	Modern		
	Average Honey Production per Beehive (in Kg) per production season	Frequency of Production per Year per Beehive	Total Honey Production (in thousands Kg)
North and South Gonder Zones	-	-	-
East, West Gojam and Agewawi	30.00	1.00	34.82
North Wolo and Waghamra Zone	-	-	-
South Wolo, Oromia and North Shewa	-	-	-
Average/Total	30.00	1.00	34.82

Table 23.2 Average Production of Honey Per Beehive, Frequency of Honey Production per year and Total Honey Production in S.N.N.P. Region by Group of Zones for private holdings 1995/96(1988 E.C.)

Zones	Modern		
	Average Honey Production per Beehive (in Kg) per production season	Frequency of Production per Year per Beehive	Total Honey Production (in thousands Kg)
Yem, Keficho, Maji, Bench and Shekicho	-	-	-
North and South Omo, Derashe and Konso	19.00	2.50	138.59
Gurage, Kembata and Hadiya	-	-	-
Sidama, Gedio, Burji and Amaro	-	-	-
Average/Total	19.00	2.50	138.59

ANNEX TABLES

Table 24.1 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	875.45	50.64	290.75	28.29	417.73	32.29
Under 1 Year	123.12	7.12	181.94	17.70	187.34	14.48
1 year & Under 2	92.76	5.37	50.57	4.92	87.35	6.75
2 Years & Over	659.57	38.15	58.24	5.67	143.03	11.06
Female Total	853.41	49.36	736.87	71.71	875.91	67.71
Under 1 Year	157.42	9.11	157.63	15.34	201.94	15.61
1 year & Under 2	111.31	6.44	110.27	10.73	177.93	13.75
2 Years & Over	584.69	33.82	468.97	45.64	496.04	38.34
Total Animal	1,728.86	100.00	1,027.62	100.00	1,293.64	100.00

Table 24.2 Number and percentage distribution of ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands	
	ASSES	
	Number	%
Male Total	137.63	52.64
Under 3 Years	35.08	13.42
3 Years and Over	102.54	39.22
Female Total	123.81	47.36
Under 3 Years	26.70	10.21
3 Years and Over	97.11	37.14
Total Animal	261.44	100.00

Table 24.3 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Number in Thousands		
Sex and Purpose	Number	%
Male Cattle	659.57	100.00
For Draught	624.52	94.69
For Beef	9.01	1.37
For Others	26.04	3.95
Female cattle	584.69	100.00
For Milk	449.78	76.93
For Draught	**	**
For Beef	**	**
For Others	124.94	21.37

Table 24.4 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	106.57	100.00	220.41	100.00
For Mutton/Meat	18.53	17.39	50.59	22.95
For Other	88.04	82.61	169.82	77.05
Female Total	580.03	100.00	657.48	100.00
For Mutton/Meat	**	**	**	**
For Other	577.77	99.61	628.70	95.62

Table 24.5 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Number in Thousands		
Poultry by kind	Number	%
Cocks	252.98	8.57
Cockerels	216.47	7.33
Pullets	313.60	10.62
Laying hens	496.57	16.82
Non-Lying hens	322.85	10.94
Chicks	1,349.62	45.72
Total Poultry	2,952.08	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 25.1 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	87.08	39.02	18.53	46.89	50.15	38.95
Under 1 Year	11.33	5.08	4.45	11.26	17.50	13.59
1 year & Under 2	14.28	6.40	8.41	21.28	11.02	8.56
2 Years & Over	61.87	27.55	5.67	14.35	21.63	16.80
Female Total	136.08	60.98	20.99	53.11	78.61	61.05
Under 1 Year	17.00	7.62	**	**	19.22	14.93
1 year & Under 2	25.36	11.36	4.57	11.56	14.48	11.25
2 Years & Over	93.73	42.00	12.74	32.24	44.91	34.88
Total Animal	223.16	100.00	39.52	100.00	128.76	100.00

Table 25.2 Number and percentage distribution of ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands	
	ASSES	
	Number	%
Male Total	7.09	43.02
Under 3 Years	2.39	14.50
3 Years and Over	4.70	28.52
Female Total	9.39	56.98
Under 3 Years	**	**
3 Years and Over	6.13	37.20
Total Animal	16.48	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 25.3 Number and percentage distribution of CAMELS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands	
	CAMELS	
	Number	%
Male Total	8.69	34.43
Under 4 Years	2.24	8.88
4 Years & Over	6.45	25.55
Female Total	**	**
Under 4 Years	**	**
4 Years & Over	**	**
Total Animal	25.22	100.00

Table 25.4 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	61.47	100.00
For Draught	41.60	67.87
For Beef	3.58	5.79
For Others	16.30	26.52
Female cattle	93.73	100.00
For Milk	72.47	77.32
For Draught	0.89	0.95
For Beef	8.98	9.58
For Others	11.39	12.15

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 25.5 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	14.29	100.00	31.90	100.00
For Mutton/Meat	6.26	43.81	15.94	49.97
For Other	8.03	56.19	15.96	50.03
Female Total	17.31	100.00	58.74	100.00
For Mutton/Meat	2.55	14.73	8.89	15.13
For Other	14.76	85.27	49.85	84.87

Table 25.6 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	14.04	9.29
Cockerels	**	**
Pullets	10.87	7.19
Laying hens	20.15	13.32
Non-Lying hens	22.34	14.78
Chicks	73.68	48.73
Total Poultry	151.19	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 26.1 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	4,277.32	51.83	1,037.48	25.97	1,053.56	32.96
Under 1 Year	491.31	5.95	684.74	17.14	531.49	16.63
1 year & Under 2	463.59	5.62	147.37	3.69	204.19	6.39
2 Years & Over	3,322.42	40.26	205.37	5.14	317.88	9.95
Female Total	3,975.85	48.17	2,957.08	74.03	2,142.79	67.04
Under 1 Year	572.03	6.93	645.13	16.15	613.91	19.21
1 year & Under 2	439.88	5.33	260.61	6.52	271.73	8.50
2 Years & Over	2,963.95	35.91	2,051.33	51.35	1,257.15	39.33
Total Animal	8,253.17	100.00	3,994.56	100.00	3,196.36	100.00

Table 26.2 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands			
	HORSES		ASSES	
	Number	%	Number	%
Male Total	116.86	46.76	448.90	42.49
Under 3 Years	20.81	8.33	183.76	17.39
3 Years and Over	96.04	38.43	265.14	25.09
Female Total	133.07	53.25	607.68	57.51
Under 3 Years	32.75	13.10	154.77	14.65
3 Years and Over	100.31	40.14	452.91	42.87
Total Animal	249.92	100.00	1,056.58	100.00

Table 26.3 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	3,322.42	100.00
For Draught	3,053.38	91.90
For Beef	44.41	1.34
For Others	224.63	6.76
Female cattle	2,963.95	100.00
For Milk	2,112.56	71.28
For Draught	110.16	3.72
For Beef	28.15	0.95
For Others	713.08	24.06

Table 26.4 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	353.85	100.00	512.94	100.00
For Mutton/Meat	198.93	56.22	343.32	66.93
For Other	154.93	43.78	169.62	33.07
Female Total	2,297.86	100.00	1,582.27	100.00
For Mutton/Meat	74.40	3.24	84.91	5.37
For Other	2,223.46	96.76	1,497.35	94.63

Table 26.5 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	862.67	8.88
Cockerels	471.25	4.85
Pullets	714.15	7.35
Laying hens	1,834.02	18.87
Non-Lying hens	738.47	7.60
Chicks	5,098.37	52.46
Total Poultry	9,718.92	100.00

NORTH AND SOUTH GONDER ZONES

Table 26.1.1 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	1,200.91	47.97	160.30	26.76	288.26	31.35
Under 1 Year	141.02	5.63	118.09	19.71	165.08	17.96
1 year & Under 2	134.17	5.36	14.91	2.49	48.34	5.26
2 Years & Over	925.72	36.98	27.29	4.56	74.85	8.14
Female Total	1,302.64	52.03	438.73	73.24	631.10	68.65
Under 1 Year	193.46	7.73	89.89	15.01	182.49	19.85
1 year & Under 2	153.77	6.14	42.75	7.14	70.62	7.68
2 Years & Over	955.40	38.16	306.09	51.10	378.00	41.12
Total Animal	2,503.55	100.00	599.03	100.00	919.36	100.00

Table 26.2.1 Number and percentage distribution of ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands	
	ASSES	
	Number	%
Male Total	120.97	42.45
Under 3 Years	53.07	18.62
3 Years and Over	67.91	23.83
Female Total	163.96	57.54
Under 3 Years	41.22	14.47
3 Years and Over	122.75	43.08
Total Animal	284.94	100.00

Horses in this reporting level are not reported because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

NORTH AND SOUTH GONDER ZONES

Table 26.3.1 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	925.72	100.00
For Draught	849.89	91.81
For Beef	9.33	1.01
For Others	66.50	7.18
Female cattle	955.40	100.00
For Milk	714.16	74.75
For Draught	15.07	1.58
For Beef	12.98	1.36
For Others	213.20	22.32

Table 26.4.1 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	42.91	100.00	121.63	100.00
For Mutton/Meat	20.90	48.71	51.39	42.25
For Other	22.01	51.29	70.24	57.75
Female Total	343.68	100.00	446.85	100.00
For Mutton/Meat	34.31	9.98	**	**
For Other	309.37	90.02	429.57	96.13

Table 26.5.1 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	172.51	5.56
Cockerels	138.10	4.45
Pullets	228.62	7.37
Laying hens	462.53	14.91
Non-Lying hens	224.61	7.24
Chicks	1,876.71	60.48
Total Poultry	3,103.07	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

EAST, WEST GOJAM AND AGEWAWI ZONES

Table 26.1.2 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	1,355.35	53.55	235.26	22.80	173.91	29.79
Under 1 Year	146.50	5.79	188.90	18.30	103.26	17.69
1 year & Under 2	126.47	5.00	23.36	2.26	29.11	4.99
2 Years & Over	1,082.38	42.76	23.01	2.23	41.54	7.12
Female Total	1,175.72	46.45	796.73	77.20	409.84	70.21
Under 1 Year	144.64	5.71	168.09	16.29	123.24	21.11
1 year & Under 2	122.05	4.82	55.32	5.36	48.05	8.23
2 Years & Over	909.02	35.91	573.31	55.55	238.55	40.87
Total Animal	2,531.06	100.00	1,031.99	100.00	583.75	100.00

Table 26.2.2 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands			
	HORSES		ASSES	
	Number	%	Number	%
Male Total	77.41	56.63	94.62	37.83
Under 3 Years	9.15	6.69	45.76	18.30
3 Years and Over	68.26	49.94	48.86	19.54
Female Total	59.28	43.37	155.49	62.17
Under 3 Years	14.47	10.59	42.60	17.03
3 Years and Over	44.81	32.78	112.89	45.14
Total Animal	136.69	100.00	250.11	100.00

Table 26.3.2 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	1,082.38	100.00
For Draught	988.18	91.30
For Beef	8.47	0.78
For Others	85.73	7.92
Female cattle	909.02	100.00
For Milk	599.27	65.92
For Draught	47.38	5.21
For Beef	9.04	0.99
For Others	253.32	27.87

Table 26.4.2 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	46.36	100.00	69.13	100.00
For Mutton/Meat	36.74	79.25	64.64	93.50
For Other	9.62	20.75	4.49	6.50
Female Total	626.08	100.00	284.34	100.00
For Mutton/Meat	7.88	1.26	39.41	13.86
For Other	618.20	98.74	244.93	86.14

Table 26.5.2 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	119.74	5.01
Cockerels	129.55	5.42
Pullets	155.56	6.50
Laying hens	461.42	19.29
Non-Laying hens	143.21	5.99
Chicks	1,382.16	57.79
Total Poultry	2,391.64	100.00

Table 26.1.3 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	434.09	50.46	117.00	23.60	162.38	30.83
Under 1 Year	56.10	6.52	62.92	12.69	75.44	14.32
1 year & Under 2	46.05	5.35	20.45	4.13	31.80	6.04
2 Years & Over	331.94	38.58	33.63	6.78	55.14	10.47
Female Total	426.20	49.54	378.72	76.40	364.26	69.17
Under 1 Year	66.31	7.71	75.66	15.26	84.66	16.08
1 year & Under 2	46.55	5.41	37.04	7.47	57.86	10.99
2 Years & Over	313.34	36.42	266.02	53.66	221.73	42.10
Total Animal	860.29	100.00	495.72	100.00	526.64	100.00

Table 26.2.3 Number and percentage distribution of ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands	
	ASSES	
	Number	%
Male Total	40.07	35.44
Under 3 Years	18.03	15.95
3 Years and Over	22.04	19.49
Female Total	73.00	64.56
Under 3 Years	20.51	18.14
3 Years and Over	52.49	46.42
Total Animal	113.07	100.00

Horses in this reporting level are not reported because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 26.3.3 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	331.94	100.00
For Draught	306.10	92.22
For Beef	5.47	1.65
For Others	20.37	6.14
Female cattle	313.34	100.00
For Milk	218.84	69.84
For Draught	26.84	8.57
For Beef	1.52	0.49
For Others	66.14	21.11

Table 26.4.3 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	53.68	100.00	86.54	100.00
For Mutton/Meat	22.29	41.52	43.68	50.47
For Other	31.40	58.49	42.86	49.53
Female Total	302.23	100.00	335.96	100.00
For Mutton/Meat	11.88	3.93	12.81	3.81
For Other	290.35	96.07	323.16	96.19

Table 26.5.3 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	132.52	12.23
Cockerels	52.51	4.84
Pullets	92.19	8.51
Laying hens	202.77	18.71
Non-Lying hens	68.64	6.33
Chicks	535.36	49.39
Total Poultry	1,083.99	100.00

Table 26.1.4 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	1,286.97	54.57	524.93	28.10	429.01	36.77
Under 1 Year	147.68	6.26	314.83	16.86	187.71	16.09
1 year & Under 2	156.90	6.65	88.65	4.75	94.95	8.14
2 Years & Over	982.38	41.66	121.45	6.50	146.36	12.55
Female Total	1,071.30	45.43	1,342.90	71.90	737.59	63.23
Under 1 Year	167.61	7.11	311.49	16.68	223.52	19.16
1 year & Under 2	117.50	4.98	125.51	6.72	95.20	8.16
2 Years & Over	786.18	33.34	905.91	48.50	418.87	35.91
Total Animal	2,358.27	100.00	1,867.83	100.00	1,166.60	100.00

Table 26.2.4 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands			
	HORSES		ASSES	
	Number	%	Number	%
Male Total	25.22	37.06	193.24	47.31
Under 3 Years	6.71	9.86	66.90	16.38
3 Years and Over	18.51	27.20	126.34	30.93
Female Total	42.83	62.93	215.23	52.69
Under 3 Years	11.74	17.25	50.45	12.35
3 Years and Over	31.09	45.68	164.78	40.34
Total Animal	68.06	100.00	408.48	100.00

Table 26.3.4 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	982.38	100.00
For Draught	909.21	92.55
For Beef	21.14	2.15
For Others	52.03	5.30
Female cattle	786.18	100.00
For Milk	580.29	73.81
For Draught	20.86	2.65
For Beef	4.61	0.59
For Others	180.42	22.95

Table 26.4.4 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	210.90	100.00	235.64	100.00
For Mutton/Meat	119.00	56.42	183.62	77.92
For Other	91.90	43.58	52.02	22.08
Female Total	1,025.87	100.00	515.11	100.00
For Mutton/Meat	20.34	1.98	15.41	2.99
For Other	1,005.53	98.02	499.70	97.01

Table 26.5.4 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	437.89	13.94
Cockerels	151.09	4.81
Pullets	237.79	7.57
Laying hens	707.30	22.52
Non-Lying hens	302.02	9.62
Chicks	1,304.14	41.53
Total Poultry	3,140.23	100.00

Table 27.1

Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	6,882.88	45.48	1,443.96	27.82	1,196.83	33.05
Under 1 Year	1,260.27	8.33	895.80	17.26	589.58	16.28
1 year & Under 2	889.17	5.88	223.77	4.31	224.14	6.19
2 Years & Over	4,733.44	31.28	324.38	6.25	383.10	10.58
Female Total	8,249.63	54.52	3,745.79	72.18	2,424.82	66.95
Under 1 Year	1,242.69	8.21	986.66	19.01	598.26	16.52
1 year & Under 2	934.17	6.17	443.25	8.54	327.71	9.05
2 Years & Over	6,072.78	40.13	2,315.88	44.62	1,498.85	41.39
Total Animal	15,132.52	100.00	5,189.74	100.00	3,621.65	100.00

Table 27.2 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands			
	HORSES		ASSES	
	Number	%	Number	%
Male Total	307.31	48.66	619.89	49.15
Under 3 Years	66.30	10.50	177.89	14.10
3 Years and Over	241.02	38.17	441.99	35.04
Female Total	324.19	51.34	641.46	50.86
Under 3 Years	73.94	11.71	162.16	12.86
3 Years and Over	250.25	39.63	479.30	38.00
Total Animal	631.51	100.00	1,261.34	100.00

Table 27.3 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	4,733.44	100.00
For Draught	3,929.97	83.03
For Beef	193.74	4.09
For Others	609.73	12.88
Female cattle	6,072.78	100.00
For Milk	4,703.36	77.45
For Draught	25.49	0.42
For Beef	43.40	0.71
For Others	1,300.52	21.42

Table 27.4 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	474.07	100.00	597.89	100.00
For Mutton/Meat	278.27	58.70	407.62	68.18
For Other	195.80	41.30	190.27	31.82
Female Total	2,689.18	100.00	1,896.23	100.00
For Mutton/Meat	73.37	2.73	**	**
For Other	2,615.81	97.27	1,759.66	92.80

Table 27.5 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	1,219.02	9.88
Cockerels	1,125.81	9.13
Pullets	1,322.33	10.72
Laying hens	2,918.10	23.66
Non-Lying hens	910.52	7.38
Chicks	4,839.18	39.23
Total Poultry	12,334.97	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 27.1.1 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	957.05	47.46	143.69	25.90	69.67	29.30
Under 1 Year	163.48	8.11	106.36	19.17	50.98	21.44
1 year & Under 2	163.76	8.12	20.58	3.71	7.06	2.97
2 Years & Over	629.81	31.23	16.74	3.02	11.64	4.89
Female Total	1,059.49	52.54	411.17	74.10	168.13	70.70
Under 1 Year	158.71	7.87	134.33	24.21	50.18	21.10
1 year & Under 2	145.35	7.21	44.09	7.95	18.34	7.71
2 Years & Over	755.43	37.46	232.75	41.95	99.61	41.89
Total Animal	2,016.54	100.00	554.86	100.00	237.80	100.00

Table 27.2.1 Number and percentage distribution of ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands	
	ASSES	
	Number	%
Male Total	36.86	32.14
Under 3 Years	15.87	13.84
3 Years and Over	21.00	18.31
Female Total	77.81	67.85
Under 3 Years	20.25	17.66
3 Years and Over	57.56	50.19
Total Animal	114.68	100.00

Horses in this reporting level are not reported because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 27.3.1 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	629.81	100.00
For Draught	526.64	83.62
For Beef	3.96	0.63
For Others	99.20	15.75
Female cattle	755.43	100.00
For Milk	579.28	76.68
For Draught	**	**
For Beef	6.44	0.85
For Others	167.82	22.22

Table 27.4.1 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	33.18	100.00	17.83	100.00
For Mutton/Meat	10.78	32.49	6.25	35.05
For Other	22.40	67.51	11.57	64.89
Female Total	279.71	100.00	219.80	100.00
For Mutton/Meat	6.19	2.21	**	**
For Other	273.52	97.79	117.45	53.43

Table 27.5.1 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	155.54	8.24
Cockerels	112.74	5.97
Pullets	162.92	8.63
Laying hens	334.60	17.72
Non-Lying hens	142.50	7.55
Chicks	980.30	51.91
Total Poultry	1,888.59	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 27.1.2 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	916.06	49.11	249.26	26.84	66.49	25.41
Under 1 Year	148.93	7.98	154.83	16.67	52.12	19.92
1 year & Under 2	118.90	6.37	42.66	4.59	7.85	3.00
2 Years & Over	648.23	34.75	51.76	5.57	6.52	2.49
Female Total	949.13	50.89	679.35	73.16	195.22	74.59
Under 1 Year	143.64	7.70	149.97	16.15	48.73	18.62
1 year & Under 2	110.21	5.91	83.72	9.02	25.20	9.63
2 Years & Over	695.27	37.28	445.66	47.99	121.29	46.35
Total Animal	1,865.19	100.00	928.61	100.00	261.71	100.00

Table 27.2.2 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands			
	HORSES		ASSES	
	Number	%	Number	%
Male Total	20.98	32.50	13.33	63.21
Under 3 Years	6.24	9.67	**	**
3 Years and Over	14.74	22.83	11.38	53.96
Female Total	43.58	67.50	7.75	36.75
Under 3 Years	8.80	13.63	-	-
3 Years and Over	34.78	53.87	7.75	36.75
Total Animal	64.56	100.00	21.09	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 27.3.2 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	648.23	100.00
For Draught	**	**
For Beef	**	**
For Others	55.96	8.63
Female cattle	695.27	100.00
For Milk	543.84	78.22
For Draught	**	**
For Beef	3.89	0.56
For Others	138.72	19.95

Table 27.4.2 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	94.01	100.00	13.93	100.00
For Mutton/Meat	53.93	57.37	5.40	38.77
For Other	40.08	42.63	8.53	61.23
Female Total	517.37	100.00	138.22	100.00
For Mutton/Meat	10.63	2.05	**	**
For Other	506.74	97.95	134.78	97.51

Table 27.5.2 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	192.18	11.32
Cockerels	86.90	5.12
Pullets	151.17	8.91
Laying hens	339.21	19.98
Non-Laying hens	186.24	10.97
Chicks	741.87	43.70
Total Poultry	1,697.58	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 27.1.3 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	1,528.89	48.65	389.04	26.64	143.20	36.01
Under 1 Year	212.80	6.77	266.77	18.27	70.80	17.80
1 year & Under 2	190.46	6.06	46.09	3.16	9.48	2.38
2 Years & Over	1,125.63	35.82	76.18	5.22	62.91	15.82
Female Total	1,613.92	51.35	1,071.29	73.36	254.50	63.99
Under 1 Year	241.16	7.67	278.49	19.07	85.32	21.45
1 year & Under 2	187.73	5.97	109.40	7.49	21.32	5.36
2 Years & Over	1,185.03	37.71	683.40	46.80	147.86	37.18
Total Animal	3,142.81	100.00	1,460.33	100.00	397.69	100.00

Table 27.2.3 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands			
	HORSES		ASSES	
	Number	%	Number	%
Male Total	114.07	47.89	143.00	45.78
Under 3 Years	30.60	12.85	53.11	17.00
3 Years and Over	83.47	35.05	89.90	28.78
Female Total	124.11	52.11	169.35	54.22
Under 3 Years	22.90	9.61	48.90	15.66
3 Years and Over	101.21	42.49	120.45	38.56
Total Animal	238.17	100.00	312.36	100.00

Table 27.3.3 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	1,125.63	100.00
For Draught	969.67	86.14
For Beef	26.50	2.35
For Others	129.46	11.50
Female cattle	1,185.03	100.00
For Milk	912.05	76.96
For Draught	**	**
For Beef	9.71	0.82
For Others	253.30	21.37

Table 27.4.3 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	112.49	100.00	70.99	100.00
For Mutton/Meat	64.97	57.76	45.85	64.59
For Other	47.52	42.24	25.15	35.43
Female Total	743.64	100.00	168.14	100.00
For Mutton/Meat	**	**	**	**
For Other	706.29	94.98	160.60	95.52

Table 27.5.3 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	191.80	10.20
Cockerels	71.05	3.78
Pullets	118.38	6.30
Laying hens	510.35	27.15
Non-Lying hens	167.69	8.92
Chicks	820.74	43.66
Total Poultry	1,880.00	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 27.1.4 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	2,760.24	42.89	447.21	26.29	626.84	33.68
Under 1 Year	595.24	9.25	302.41	17.78	284.47	15.29
1 year & Under 2	321.73	5.00	71.34	4.19	137.84	7.41
2 Years & Over	1,843.27	28.64	73.46	4.32	204.53	10.99
Female Total	3,675.61	57.11	1,253.98	73.71	1,234.08	66.32
Under 1 Year	524.23	8.15	324.83	19.09	276.09	14.84
1 year & Under 2	381.07	5.92	172.23	10.12	179.43	9.64
2 Years & Over	2,770.31	43.04	756.92	44.49	778.56	41.84
Total Animal	6,435.85	100.00	1,701.19	100.00	1,860.92	100.00

Table 27.2.4 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands			
	HORSES		ASSES	
	Number	%	Number	%
Male Total	151.26	53.28	311.53	50.22
Under 3 Years	24.20	8.52	85.90	13.85
3 Years and Over	127.07	44.76	225.62	36.37
Female Total	132.63	46.72	308.80	49.78
Under 3 Years	36.39	12.82	69.68	11.23
3 Years and Over	96.24	33.90	239.12	38.55
Total Animal	283.89	100.00	620.33	100.00

EAST SHEWA, ARSI, BALE AND BORENA ZONES

Table 27.3.4 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	1,843.27	100.00
For Draught	1,404.03	76.17
For Beef	129.05	7.00
For Others	310.19	16.83
Female cattle	2,770.31	100.00
For Milk	2,112.84	76.27
For Draught	3.45	0.12
For Beef	18.74	0.68
For Others	635.28	22.93

Table 27.4.4 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	145.74	100.00	337.34	100.00
For Mutton/Meat	97.66	67.01	229.47	68.02
For Other	48.08	32.99	107.87	31.98
Female Total	923.49	100.00	943.90	100.00
For Mutton/Meat	16.12	1.75	22.20	2.35
For Other	907.37	98.25	921.70	97.65

Table 27.5.4 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	443.87	9.66
Cockerels	631.89	13.75
Pullets	529.50	11.52
Laying hens	1,220.47	26.56
Non-Lying hens	199.28	4.34
Chicks	1,570.95	34.18
Total Poultry	4,595.95	100.00

Table 27.1.5 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	720.65	43.10	214.76	39.42	290.62	33.65
Under 1 Year	139.82	8.36	65.42	12.01	131.21	15.19
1 year & Under 2	94.33	5.64	43.09	7.91	61.92	7.17
2 Years & Over	486.50	29.09	**	**	97.50	11.29
Female Total	951.48	56.90	330.00	60.58	572.90	66.34
Under 1 Year	174.95	10.46	99.05	18.18	137.94	15.97
1 year & Under 2	109.80	6.57	33.81	6.21	83.43	9.66
2 Years & Over	666.73	39.87	197.14	36.19	351.54	40.71
Total Animal	1,672.13	100.00	544.76	100.00	863.53	100.00

Table 27.2.5 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands			
	HORSES		ASSES	
	Number	%	Number	%
Male Total	**	**	115.16	59.70
Under 3 Years	**	**	21.07	10.92
3 Years and Over	**	**	94.10	48.78
Female Total	**	**	77.73	40.30
Under 3 Years	-	-	23.32	12.09
3 Years and Over	**	**	54.41	28.21
Total Animal	7.14	100.00	192.90	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

EAST AND WEST HARERGE ZONES

Table 27.3.5 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	486.50	100.00
For Draught	441.10	90.67
For Beef	30.48	6.27
For Others	14.92	3.07
Female cattle	666.73	100.00
For Milk	555.34	83.29
For Draught	1.38	0.21
For Beef	4.61	0.69
For Others	105.40	15.81

Table 27.4.5 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	88.66	100.00	157.81	100.00
For Mutton/Meat	50.93	57.44	120.66	76.46
For Other	37.73	42.56	37.15	23.54
Female Total	224.97	100.00	426.17	100.00
For Mutton/Meat	3.08	1.37	1.05	0.25
For Other	221.89	98.63	425.13	99.76

Table 27.5.5 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	235.64	10.37
Cockerels	223.24	9.82
Pullets	360.36	15.85
Laying hens	513.47	22.59
Non-Lying hens	214.82	9.45
Chicks	725.33	31.91
Total Poultry	2,272.86	100.00

Table 28.1 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	183.61	33.46	65.22	27.49	89.37	32.90
Under 1 Year	48.23	8.79	24.85	10.47	42.11	15.50
1 year & Under 2	33.92	6.18	22.65	9.55	14.17	5.22
2 Years & Over	101.46	18.49	17.72	7.47	33.10	12.18
Female Total	365.16	66.54	172.05	72.51	182.29	67.10
Under 1 Year	68.95	12.56	34.75	14.65	36.78	13.54
1 year & Under 2	48.30	8.80	38.02	16.02	25.82	9.50
2 Years & Over	247.92	45.18	99.28	41.84	119.69	44.06
Total Animal	548.77	100.00	237.27	100.00	271.66	100.00

Table 28.2 Number and percentage distribution of ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands	
	ASSES	
	Number	%
Male Total	29.82	60.61
Under 3 Years	5.96	12.11
3 Years and Over	3.86	48.50
Female Total	19.38	39.39
Under 3 Years	3.99	8.11
3 Years and Over	15.39	31.28
Total Animal	49.20	100.00

Horses in this reporting level are not reported because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 28.3 Number and percentage distribution of CAMELS
by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands	
	CAMELS	
	Number	%
Male Total	45.73	67.86
Under 4 Years	**	**
4 Years & Over	39.99	59.34
Female Total	**	**
Under 4 Years	**	**
4 Years & Over	**	**
Total Animal	67.39	100.00

Table 28.4 CATTLE Population aged two years and over by
sex and Purpose, private holdings
1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	101.46	100.00
For Draught	**	**
For Beef	22.75	22.42
For Others	5.49	5.41
Female cattle	247.92	100.00
For Milk	178.43	71.97
For Draught	**	**
For Beef	**	**
For Others	49.04	19.78

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 28.5

SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	39.22	100.00	46.88	100.00
For Mutton/Meat	19.86	50.64	22.87	48.78
For Other	19.37	49.39	24.01	51.22
Female Total	137.17	100.00	144.43	100.00
For Mutton/Meat	**	**	**	**
For Other	110.99	80.91	134.14	92.88

Table 28.6 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	18.54	12.25
Cockerels	13.16	8.69
Pullets	27.42	18.12
Laying hens	44.54	29.43
Non-Lying hens	12.28	8.12
Chicks	35.41	23.40
Total Poultry	151.35	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

BENSHANGUL-GUMUZ REGION

Table 29.1

Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	101.50	48.68	20.54	33.87	40.20	29.22
Under 1 Year	18.44	8.84	12.18	20.09	22.33	16.23
1 year & Under 2	15.74	7.55	2.61	4.30	8.93	6.49
2 Years & Over	67.33	32.29	**	**	8.94	6.50
Female Total	107.02	51.32	40.10	66.13	97.39	70.78
Under 1 Year	21.73	10.42	11.26	18.57	29.57	21.49
1 year & Under 2	9.65	4.63	8.25	13.60	16.22	11.79
2 Years & Over	75.64	36.27	20.59	33.95	51.60	37.50
Total Animal	208.52	100.00	60.64	100.00	137.59	100.00

Table 29.2 Number and percentage distribution of ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands	
	ASSES	
	Number	%
Male Total	10.49	61.20
Under 3 Years	1.52	8.87
3 Years and Over	8.96	52.28
Female Total	6.65	38.80
Under 3 Years	**	**
3 Years and Over	5.71	33.31
Total Animal	17.14	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 29.3 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	67.33	100.00
For Draught	53.96	80.14
For Beef	**	**
For Others	**	**
Female cattle	75.64	100.00
For Milk	58.13	76.85
For Draught	**	**
For Beef	**	**
For Others	16.89	22.33

Table 29.4 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	6.19	100.00	17.16	100.00
For Mutton/Meat	1.74	28.11	7.12	41.49
For Other	4.45	71.89	10.03	58.45
Female Total	28.48	100.00	67.98	100.00
For Mutton/Meat	**	**	**	**
For Other	28.10	98.67	66.61	97.98

Table 29.5 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	41.68	9.08
Cockerels	25.58	5.57
Pullets	39.16	8.53
Laying hens	61.29	13.35
Non-Lying hens	41.85	9.11
Chicks	249.54	54.36
Total Poultry	459.09	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 30.1 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	1,987.51	35.78	577.16	26.25	355.65	29.76
Under 1 Year	460.92	8.30	311.26	14.16	168.73	14.12
1 year & Under 2	286.51	5.16	108.22	4.92	64.18	5.37
2 Years & Over	1,240.09	22.32	157.68	7.17	122.74	10.27
Female Total	3,567.72	64.22	1,621.15	73.75	839.31	70.24
Under 1 Year	501.02	9.02	374.25	17.02	179.35	15.01
1 year & Under 2	419.58	7.55	217.68	9.90	140.42	11.75
2 Years & Over	2,647.12	47.65	1,029.22	46.82	519.53	43.48
Total Animal	5,555.24	100.00	2,198.31	100.00	1,194.96	100.00

Table 30.2 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands			
	HORSES		ASSES	
	Number	%	Number	%
Male Total	109.77	53.14	105.17	62.15
Under 3 Years	20.64	9.99	14.30	8.45
3 Years and Over	89.13	43.15	90.87	53.70
Female Total	96.78	46.86	64.04	37.84
Under 3 Years	13.47	6.52	10.79	6.38
3 Years and Over	83.31	40.33	53.25	31.47
Total Animal	206.55	100.00	169.22	100.00

Table 30.3 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	1,240.09	100.00
For Draught	1,001.35	80.75
For Beef	59.83	4.82
For Others	178.90	14.43
Female cattle	2,647.12	100.00
For Milk	1,930.61	72.93
For Draught	4.68	0.18
For Beef	16.22	0.61
For Others	695.61	26.28

Table 30.4 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	269.30	100.00	185.55	100.00
For Mutton/Meat	149.72	55.60	97.61	52.61
For Other	119.57	44.40	87.95	47.40
Female Total	1,238.18	100.00	639.24	100.00
For Mutton/Meat	20.29	1.64	14.51	2.27
For Other	1,217.88	98.36	624.73	97.73

Table 30.5 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	702.83	9.62
Cockerels	613.66	8.40
Pullets	893.35	12.23
Laying hens	1,515.62	20.74
Non-Lying hens	704.99	9.65
Chicks	2,876.56	39.37
Total Poultry	7,307.01	100.00

Table 30.1.1 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	230.84	39.72	88.66	27.10	41.47	27.54
Under 1 Year	52.33	9.00	55.25	16.89	21.89	14.54
1 year & Under 2	26.00	4.47	18.70	5.72	8.29	5.50
2 Years & Over	152.51	26.24	14.70	4.49	11.29	7.50
Female Total	350.34	60.28	238.55	72.91	109.13	72.46
Under 1 Year	54.89	9.44	64.52	19.72	24.22	16.08
1 year & Under 2	42.56	7.32	39.34	12.02	19.02	12.63
2 Years & Over	252.89	43.51	134.69	41.16	65.88	43.75
Total Animal	581.18	100.00	327.20	100.00	150.60	100.00

Table 30.2.1 Number and percentage distribution of HORSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands	
	HORSES	
	Number	%
Male Total	20.06	66.82
Under 3 Years	5.03	16.76
3 Years and Over	15.03	50.07
Female Total	9.96	33.18
Under 3 Years	3.39	11.29
3 Years and Over	6.57	21.89
Total Animal	30.02	100.00

Asses in this reporting level are not reported because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 30.3.1 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	152.51	100.00
For Draught	134.99	88.51
For Beef	3.25	2.13
For Others	14.27	9.36
Female cattle	252.89	100.00
For Milk	202.86	80.22
For Draught	**	**
For Beef	**	**
For Others	48.62	19.23

Table 30.4.1 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	33.13	100.00	19.33	100.00
For Mutton/Meat	18.00	54.33	10.56	54.63
For Other	15.14	45.70	8.78	45.42
Female Total	173.08	100.00	84.03	100.00
For Mutton/Meat	1.32	0.76	0.46	0.55
For Other	171.76	99.24	83.57	99.45

Table 30.5.1 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	113.82	11.86
Cockerels	77.80	8.11
Pullets	108.76	11.33
Laying hens	186.44	19.43
Non-Lying hens	121.35	12.65
Chicks	351.50	36.63
Total Poultry	959.65	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 30.1.2 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	599.28	39.97	163.32	25.66	166.58	33.56
Under 1 Year	107.48	7.17	77.59	12.19	68.62	13.82
1 year & Under 2	78.95	5.27	29.84	4.69	37.97	7.65
2 Years & Over	412.85	27.54	55.89	8.78	60.00	12.09
Female Total	900.00	60.03	473.28	74.34	329.77	66.44
Under 1 Year	143.96	9.60	110.79	17.40	71.92	14.49
1 year & Under 2	96.70	6.45	64.18	10.08	52.13	10.50
2 Years & Over	659.34	43.98	298.31	46.86	205.73	41.45
Total Animal	1,499.28	100.00	636.60	100.00	496.35	100.00

Table 30.2.2 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands			
	HORSES		ASSES	
	Number	%	Number	%
Male Total	15.94	57.50	33.07	74.89
Under 3 Years	**	**	3.00	6.79
3 Years and Over	13.70	49.42	30.07	68.09
Female Total	11.78	42.50	**	**
Under 3 Years	**	**	**	**
3 Years and Over	**	**	**	**
Total Animal	27.72	100.00	44.16	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

NORTH AND SOUTH OMO, DERASHE AND KONSO ZONES

Table 30.3.2 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	412.85	100.00
For Draught	337.95	81.86
For Beef	11.41	2.76
For Others	63.50	15.38
Female cattle	659.34	100.00
For Milk	482.05	73.11
For Draught	**	**
For Beef	2.64	0.40
For Others	173.98	26.39

Table 30.4.2 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	85.73	100.00	97.97	100.00
For Mutton/Meat	53.13	61.97	57.89	59.09
For Other	32.60	38.03	40.07	40.90
Female Total	362.49	100.00	256.38	100.00
For Mutton/Meat	**	**	**	**
For Other	359.40	99.15	254.50	99.27

Table 30.5.2 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	262.72	10.77
Cockerels	238.91	9.79
Pullets	307.63	12.61
Laying hens	422.37	17.31
Non-Lying hens	312.67	12.82
Chicks	895.27	36.70
Total Poultry	2,439.57	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

GURAGE, KEMBATA AND HADIYA ZONES

Table 30.1.3 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Number in Thousands

Sex and Age Group	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	744.90	34.95	154.12	26.74	85.06	27.09
Under 1 Year	177.27	8.32	88.11	15.29	50.83	16.19
1 year & Under 2	103.69	4.86	37.51	6.51	12.90	4.11
2 Years & Over	463.94	21.77	28.50	4.95	21.34	6.80
Female Total	1,386.45	65.05	422.16	73.26	228.89	72.91
Under 1 Year	179.18	8.41	102.27	17.75	48.71	15.52
1 year & Under 2	186.51	8.75	51.29	8.90	43.09	13.73
2 Years & Over	1,020.76	47.89	268.60	46.61	137.09	43.67
Total Animal	2,131.36	100.00	576.28	100.00	313.95	100.00

Table 30.2.3 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Number in Thousands

Sex and Age Group	HORSES		ASSES	
	Number	%	Number	%
Male Total	32.78	49.96	62.11	60.13
Under 3 Years	**	**	10.11	9.79
3 Years and Over	27.63	42.11	52.00	50.34
Female Total	32.83	50.04	41.18	39.87
Under 3 Years	6.31	9.62	7.32	7.09
3 Years and Over	26.52	40.42	33.87	32.79
Total Animal	65.61	100.00	103.29	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 30.3.3 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	463.94	100.00
For Draught	383.35	82.63
For Beef	26.45	5.70
For Others	54.15	11.67
Female cattle	1,020.76	100.00
For Milk	745.63	73.05
For Draught	**	**
For Beef	**	**
For Others	266.38	26.10

Table 30.4.3 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	64.72	100.00	34.24	100.00
For Mutton/Meat	33.57	51.87	14.42	42.11
For Other	31.16	48.15	19.82	57.89
Female Total	312.29	100.00	165.95	100.00
For Mutton/Meat	10.70	3.43	9.97	6.01
For Other	301.59	96.57	155.98	93.99

Table 30.5.3 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	168.50	7.59
Cockerels	150.90	6.79
Pullets	273.20	12.30
Laying hens	439.13	19.77
Non-Lying hens	197.72	8.90
Chicks	991.38	44.64
Total Poultry	2,220.83	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

SIDAMA, GEDIO, BURGI AND AMARO ZONES

Table 30.1.4 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	412.49	30.70	171.07	25.99	62.54	26.72
Under 1 Year	123.84	9.22	90.31	13.72	27.39	11.70
1 year & Under 2	77.87	5.80	22.17	3.37	5.03	2.15
2 Years & Over	210.78	15.69	58.59	8.90	30.11	12.86
Female Total	930.93	69.30	487.16	74.01	171.52	73.28
Under 1 Year	122.99	9.15	96.67	14.69	34.50	14.74
1 year & Under 2	93.81	6.98	62.88	9.55	26.18	11.19
2 Years & Over	714.13	53.16	327.62	49.77	110.83	47.35
Total Animal	1,343.42	100.00	658.23	100.00	234.06	100.00

Table 30.2.4 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands			
	HORSES		ASSES	
	Number	%	Number	%
Male Total	40.99	49.27	9.75	46.92
Under 3 Years	8.22	9.88	**	**
3 Years and Over	32.77	39.39	8.55	41.15
Female Total	42.20	50.73	11.03	53.08
Under 3 Years	**	**	**	**
3 Years and Over	41.46	49.84	9.75	46.92
Total Animal	83.19	100.00	20.78	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 30.3.4 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	210.78	100.00
For Draught	145.07	68.83
For Beef	18.73	8.89
For Others	46.98	22.29
Female cattle	714.13	100.00
For Milk	500.07	70.03
For Draught	**	**
For Beef	6.03	0.84
For Others	206.62	28.93

Table 30.4.4 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	85.71	100.00	34.02	100.00
For Mutton/Meat	45.03	52.54	14.74	43.33
For Other	40.68	47.46	19.28	56.67
Female Total	390.31	100.00	132.88	100.00
For Mutton/Meat	5.18	1.33	**	**
For Other	385.13	98.67	130.68	98.34

Table 30.5.4 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	157.80	9.35
Cockerels	146.06	8.66
Pullets	203.76	12.08
Laying hens	467.69	27.72
Non-Lying hens	73.25	4.34
Chicks	638.42	37.84
Total Poultry	1,686.96	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 31.1 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands			
	CATTLE		SHEEP	
	Number	%	Number	%
Male Total	4.27	24.10	**	**
Under 1 Year	2.36	13.32	**	**
1 year & Under 2	1.28	7.22	**	**
2 Years & Over	0.64	3.61	**	**
Female Total	13.45	75.90	**	**
Under 1 Year	3.12	17.61	**	**
1 year & Under 2	1.32	7.45	0.38	7.13
2 Years & Over	9.00	50.79	**	**
Total Animal	17.72	100.00	**	**

Table 31.2 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	0.64	100.00
For Draught	0.19	29.69
For Beef	**	**
For Others	**	**
Female cattle	9.00	100.00
For Milk	7.57	84.11
For Draught	-	-
For Beef	**	**
For Others	**	**

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 31.3

SHEEP and GOATS Population aged one year and over
sheep and goats population aged one year and over
by sex and age, private holdings, 1995/96 (1998 E.C.)

Sex and Purpose	Number in Thousands	
	GOATS	
	Number	%
Male Total	**	**
For Mutton/Meat	0.446	44.23
For Other	**	**
Female Total	4.686	100.00
For Mutton/Meat	**	**
For Other	4.533	97.21

Table 31.4

Number and percentage distribution of POULTRY
by kind, private holdings, 1995/96 (1998 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	17.84	10.67
Cockerels	16.59	9.92
Pullets	26.49	15.85
Laying hens	23.67	15.36
Non-Laying hens	14.73	8.81
Chicks	65.82	39.38
Total Poultry	167.13	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability): However they are incorporated in the total estimates.

Table 32.1

Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in THOUSANDS					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	8.997	39.53	1.555	34.52	4.51	29.75
Under 1 Year	1.79	7.89	0.766	16.93	2.233	14.71
1 Year & Under 2	1.443	6.30	0.366	8.02	1.522	10.03
2 Years & Over	5.744	25.30	0.444	9.80	0.755	4.95
Female Total	13.72	60.47	2.944	65.48	10.66	70.32
Under 1 Year	2.233	9.83	0.788	17.37	2.266	16.89
1 Year & Under 2	1.966	8.64	0.488	10.69	2.566	16.89
2 Years & Over	9.53	42.00	1.688	37.42	5.544	36.54
Total Animal	22.69	100.00	4.49	100.00	15.16	100.00

Table 32.2 Number and percentage distribution of ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands	
	ASSES	
	Number	%
Male Total	1.84	65.02
Under 3 Years	0.34	12.01
3 Years and Over	1.50	53.00
Female Total	0.99	34.98
Under 3 Years	0.23	8.13
3 Years and Over	0.76	26.86
Total Animal	2.83	100.00

Table 32.3 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	5.74	100.00
For Draught	5.18	90.24
For Beef	0.38	6.62
For Others	**	**
Female cattle	9.53	100.00
For Milk	8.54	89.61
For Draught	-	-
For Beef	-	-
For Others	0.99	10.39

Table 32.4 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	0.80	100.00	2.28	100.00
For Mutton/Meat	0.52	65.00	1.61	70.61
For Other	**	**	**	**
Female Total	2.14	100.00	8.10	100.00
For Mutton/Meat	-	-	**	**
For Other	2.14	100.00	7.99	98.64

Table 32.5 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	4.32	13.16
Cockerels	2.80	8.55
Pullets	3.75	11.44
Laying hens	7.60	23.16
Non-Lying hens	4.88	14.86
Chicks	9.46	28.83
Total Poultry	32.80	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 33.1

Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	13.35	55.17	1.03	26.55	1.88	37.45
Under 1 Year	1.09	4.50	0.47	12.11	0.72	14.34
1 year & Under 2	1.26	5.21	0.16	4.12	0.50	9.96
2 Years & Over	11.00	45.45	**	**	0.65	12.95
Female Total	10.85	44.83	2.85	73.45	3.14	62.55
Under 1 Year	1.50	6.20	0.81	20.88	0.77	15.34
1 year & Under 2	1.38	5.70	0.37	9.54	0.24	4.78
2 Years & Over	7.96	32.89	1.68	43.30	2.13	42.43
Total Animal	24.20	100.00	3.88	100.00	5.02	100.00

Table 33.2 Number and percentage distribution of HORSES and ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands			
	HORSES		ASSES	
	Number	%	Number	%
Male Total	0.29	100.00	3.75	75.00
Under 3 Years	**	**	0.26	5.20
3 Years and Over	0.27	93.10	3.49	69.80
Female Total	-	-	**	24.80
Under 3 Years	-	-	**	5.00
3 Years and Over	-	-	**	19.80
Total Animal	0.29	100.00	5.00	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 33.3 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	11.00	100.00
For Draught	9.83	89.36
For Beef	0.54	4.91
For Others	0.63	5.73
Female cattle	7.96	100.00
For Milk	5.34	67.09
For Draught	**	**
For Beef	**	**
For Others	2.49	31.28

Table 33.4 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	0.56	100.00	0.93	100.00
For Mutton/Meat	0.42	75.00	0.27	29.03
For Other	**	**	0.66	70.97
Female Total	2.07	100.00	2.39	100.00
For Mutton/Meat	**	**	-	-
For Other	2.03	98.07	2.39	100.00

Table 33.5 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	1.81	11.26
Cockerels	**	**
Pullets	1.43	8.89
Laying hens	5.00	31.14
Non-Lying hens	1.66	10.34
Chicks	5.54	34.50
Total Poultry	16.07	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 34.3 Number and percentage distribution of CAMELS by sex and age, private holdings, 1995/96 (1988 E.C.).

Sex and Age Group	Number in Thousands	
	CAMELS	
	Number	%
Male Total	**	**
Under 4 Years	**	**
4 Years & Over	**	**
Female Total	1.26	30.60
Under 4 Years	**	8.13
4 Years & Over	0.92	22.47
Total Animal	**	**

Table 34.4 CATTLE Population aged two years and over by sex and Purpose, private holdings 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands	
	Number	%
Male Cattle	5.50	100.00
For Draught	4.74	86.18
For Beef	**	**
For Others	**	**
Female cattle	17.21	100.00
For Milk	16.28	94.60
For Draught	-	-
For Beef	-	-
For Others	**	**

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 34.1 Number and percentage distribution of CATTLE, SHEEP and GOATS by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands					
	CATTLE		SHEEP		GOATS	
	Number	%	Number	%	Number	%
Male Total	12.21	30.12	11.73	30.96	30.80	32.76
Under 1 Year	3.63	8.95	5.22	13.78	13.11	13.94
1 year & Under 2	**	**	2.65	6.99	7.10	7.55
2 Years & Over	5.50	13.57	3.85	10.16	10.60	11.27
Female Total	28.32	69.86	26.17	69.07	63.22	67.23
Under 1 Year	6.07	14.97	6.11	16.13	15.76	16.76
1 year & Under 2	5.04	12.43	4.73	12.48	13.27	14.11
2 Years & Over	17.21	42.45	15.34	40.49	34.19	36.36
Total Animal	40.54	100.00	37.89	100.00	94.03	100.00

Table 34.2 Number and percentage distribution of ASSES by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Age Group	Number in Thousands	
	ASSES	
	Number	%
Male Total	3.32	48.26
Under 3 Years	0.91	13.23
3 Years and Over	2.41	35.03
Female Total	3.57	51.89
Under 3 Years	0.77	11.19
3 Years and Over	2.80	40.70
Total Animal	6.88	100.00

Horses in this reporting level are not reported because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

Table 34.5 SHEEP and GOATS Population aged one year and over by sex and age, private holdings, 1995/96 (1988 E.C.)

Sex and Purpose	Number in Thousands			
	SHEEP		GOATS	
	Number	%	Number	%
Male Total	6.50	100.00	17.70	100.00
For Mutton/Meat	**	**	13.78	77.85
For Other	**	**	**	**
Female Total	20.11	100.00	47.48	100.00
For Mutton/Meat	**	0.99	**	**
For Other	19.92	99.06	45.87	96.61

Table 34.6 Number and percentage distribution of POULTRY by Kind, private holdings, 1995/96 (1988 E.C.)

Poultry by kind	Number in Thousands	
	Number	%
Cocks	7.71	12.25
Cockerels	6.64	10.55
Pullets	9.03	14.33
Laying hens	16.73	26.57
Non-Lying hens	8.14	12.93
Chicks	14.72	23.37
Total Poultry	62.97	100.00

** are estimates that are not reported in this table because of high coefficient of variation (less reliability). However they are incorporated in the total estimates.

APPENDIX I

SURVEY QUESTIONNAIRE

APPENDIX II

NUMBER OF EAs
SAMPLED,
AND ACTUALLY COVERED

**APPENDIX II. NUMBER OF EAs SAMPLED, ACTUALLY COVERED AND NOT COVERED
1995/96 (1988 E.C.)**

<i>REGION</i>	<i>REPORTING LEVEL</i>	<i>NUMBER OF EAs SAMPLED</i>	<i>NUMBER OF EAs COVERED</i>	<i>NUMBER OF EAs NOT COVERED</i>
TIGRAY	TIGRAY	35	34	1
AFAR	AFAR	15	15	-
AMHARA	N. & S. GONDER	40	37	3
	AGEWAWI, E. & W. GOJAM	40	40	-
	N. WOLO & WAGHAMRA	35	34	1
	S. WOLO, OROMIA & N. SHOA	40	40	-
	TOTAL	155	151	4
OROMIYA	E. & W. WELEGA	40	40	-
	ILLUBABOR & JIMA	40	40	-
	N. & W. SHOA	40	39	1
	E. SHOA, ARSI, BALE & BORENA	40	40	-
	E. & W. HARERGHE	40	39	1
	TOTAL	200	198	2
SOMALIE	SOMALIE	15	15	-
BEN. -GUMUZ	BENSHANGUL-GUMUZ	15	15	-
S.N.N.P.R	YEM, KEFICHO, MAJI, SHEKICHO & BENCH	35	35	-
	N. & S. OMO, DERASHE & KONSO	35	35	-
	HADIYA, KEMBATA & GURAGE	35	35	-
	SIDAMA, GEDIO, BURJI & AMARO	35	35	-
	TOTAL	140	140	-
GAMBELA	GAMBELA	15	15	-
HARARI	HARARI	10	10	-
ADDIS ABABA	ADDIS ABABA	10	10	-
DIRE DAWA	DIRE DAWA	10	8	2
	GRAND TOTAL	620	611	9

APPENDIX III

NUMBER OF HOUSEHOLDS EXPECTED TO BE COVERED AND ACTUALLY COVERED

**APPENDIX III. NUMBER OF HOUSEHOLDS EXPECTED TO BE COVERED AND
ACTUALLY COVERED - 1995/96 (1988 E.C.)**

<i>REGION</i>	<i>REPORTING LEVEL</i>	<i>NUMBER OF HOUSEHOLDS EXPECTED TO BE COVERED</i>	<i>NUMBER OF HOUSEHOLDS ACTUALLY COVERED</i>
TIGRAY	TIGRAY	875	774
AFAR	AFAR	375	331
AMHARA	N. & S. GONDER	1000	908
	AGEWAWI, E. & W. GOJAM	1000	992
	N. WOLO & WAGHAMRA	875	834
	S. WOLO, OROMIA & N. SHOA	1000	989
	TOTAL	3875	3723
OROMIYA	E. & W. WELEGA	1000	999
	ILLUBABOR & JIMA	1000	979
	N. & W. SHOA	1000	967
	E. SHOA, ARSI, BALE & BORENA	1000	971
	E. & W. HARERGHE	1000	968
	TOTAL	5000	4884
SOMALIE	SOMALIE	375	363
BEN. -GUMUZ	BENSHANGUL-GUMUZ	375	372
S.N.N.P.	YEM, KEFICHO, MAJI, SHEKICHO & BENCH	875	857
	N. & S. OMO, DERASHE & KONSO	875	866
	HADIYA, KEMBATA & GURAGE	875	865
	SIDAMA, GEDIO, BURJI & AMARO	875	846
	TOTAL	3500	3434
GAMBELA	GAMBELA	375	352
HARARI	HARARI	250	246
ADDIS ABABA	ADDIS ABABA	250	245
DIRE DAWA	DIRE DAWA	250	199
	GRAND TOTAL	15500	14923

APPENDIX IV

ESTIMATION PROCEDURE

APPENDIX IV
ESTIMATION PROCEDURE

The following formulas are used to estimate reported characteristics on livestock, poultry and beehives in a given stratum.

$$\hat{X}_h = \sum_{i=1}^{n_h} W_{hi} X_{hi}$$

in which W_{hi} is the weight

$$W_{hi} = \frac{N_h M_{hi}}{n_h N_{hi} m_{hi}}$$

Where h represents the stratum.

n_h is the total number of EAs selected in h^{th} stratum.

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

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

M_{hi} is the total number of agricultural households of the i^{th} sample EA in the h^{th} stratum obtained from households listing of the survey.

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

x_{hi} is the sample total of values of a certain livestock, poultry or beehives characteristics in the i^{th} EA in the h^{th} stratum.

\hat{X}_h is estimate of total livestock, poultry or beehives characteristics in the h^{th} stratum.

The national estimate is obtained by summing up all strata group of zones/region estimates.

Sampling variance of total estimate for the h^{th} stratum is estimated assuming the enumeration areas in the stratum were selected with replacement, by so doing the variance estimate may be slightly over estimated but it greatly simplifies the estimation procedure. Besides since its effect is negligible the finite population correction (fpc) is omitted.

$$\text{Var}(\hat{x}_h) = \frac{n_h}{n_h - 1} \left[\sum_{i=1}^{n_h} \hat{x}_{hi}^2 - \frac{\hat{x}_h^2}{n_h} \right]$$

Where $\hat{x}_{hi} = \frac{M_{hi} \bar{X}_{hi}}{n_h P_{hi}}$

$$\hat{x}_h = \sum_{i=1}^{n_h} \hat{x}_{hi}$$

$$\text{CV}(\hat{x}_h) = \frac{\sqrt{\text{var}(\hat{x}_h)}}{\hat{x}_h} \times 100$$

Hence, variance for the national estimate is obtained by aggregating variance estimates of the strata.

$$\text{var}(\hat{X}) = \sum \text{var}(\hat{X}_h)$$

$$= \sum \left[\frac{n_h}{n_h - 1} \left(\sum_{i=1}^{n_h} \hat{x}_{hi}^2 - \frac{\hat{x}_h^2}{n_h} \right) \right]$$

Coefficient of variation is estimated by

$$CV(\hat{x}) = \frac{\sqrt{\text{var}(\hat{x})}}{\hat{x}} \times 100$$

APPENDIX V

ESTIMATED NUMBER OF LIVESTOCK, POULTRY AND
BEEHIVES BY TYPE, STANDARD ERROR
AND COEFFICIENT OF VARIATION

ESTIMATED NUMBER OF CATTLE, SHEEP, GOATS,
HORSES, ASSES AND CAMELS BY AGE AND
SEX, STANDARD ERROR AND
COEFFICIENT OF VARIATION

ESTIMATED NUMBER OF CATTLE AGED TWO YEARS
AND OVER, SHEEP AND GOATS AGED ONE YEAR AND
OVER BY SEX AND PURPOSE, STANDARD ERROR
AND COEFFICIENT OF VARIATION

Estimated number of Livestock, Poultry and Beehives by type,
standard Error and Coefficient of Variation for private holdings,
National

TYPE	NUMBER IN ('000)	SE (IN '000)	CV (%)
Cattle	31755.37	693.35	2.18
Sheep	12799.27	597.27	4.67
Goats	9968.97	511.17	5.13
Horses	1088.52	114.38	10.51
Asses	2846.12	103.29	3.63
Mules	214.74	25.35	11.81
Camels	247.88	92.58	37.35
Poultry	33353.59	936.50	2.81
Beehives	3545.58	324.05	9.14

NOTE – For estimated with CV between 30% and 50% users are advised to use them cautiously. Because the smaller the CV the more reliable the estimates will be.

– The SE and CV for Beehives are for Traditional type.

Estimated number of Livestock, Poultry and Beehives by type, Standard Error and Coefficient of Variation for private holdings in Tigray Region

TYPE	NUMBER IN ('000)	SE (IN '000)	CV (%)
Cattle	1728.86	123.43	7.14
Sheep	1027.62	171.58	16.70
Goats	1293.64	189.87	14.68
Horses	—	—	—
Asses	261.44	26.41	10.10
Mules	22.68	9.23	40.69
Camels	**	**	**
Poultry	2952.08	206.00	6.98
Beehives	130.71	36.91	28.24

Estimated number of Livestock, Poultry and Beehives by type, Standard Error and Coefficient of Variation for private holdings in Afar Region

TYPE	NUMBER IN ('000)	SE (IN '000)	CV (%)
Cattle	223.16	46.58	20.88
Sheep	39.52	11.03	27.90
Goats	128.76	36.03	27.98
Horses	—	—	—
Asses	16.48	4.53	27.50
Mules	0.63	0.26	40.67
Camels	25.22	12.42	49.26
Poultry	151.19	70.26	46.47
Beehives	**	**	**

Estimated number of Livestock, Poultry and Beehives by type,
Standard Error and Coefficient of Variation for private holdings in
Amhara Region

TYPE	NUMBER IN ('000)	SE (IN '000)	CV (%)
Cattle	8253.17	324.63	3.93
Sheep	3994.56	371.46	9.30
Goats	3196.36	244.92	7.66
Horses	249.92	51.66	20.67
Asses	1056.58	52.70	4.99
Mules	72.47	18.63	25.71
Camels	**	**	**
Poultry	9718.93	434.82	4.47
Beehives	554.14	54.02	9.75

Estimated number of Livestock, Poultry and Beehives by type,
Standard Error and Coefficient of Variation for private holdings in
Oromiya Region

TYPE	NUMBER IN ('000)	SE (IN '000)	CV (%)
Cattle	15132.52	531.82	3.51
Sheep	5189.74	367.63	7.08
Goats	3621.65	383.28	10.58
Horses	631.51	96.44	15.27
Asses	1261.34	80.24	6.36
Mules	79.20	12.55	15.84
Camels	**	**	**
Poultry	12334.97	670.02	5.43
Beehives	1684.98	235.34	13.97

Estimated number of Livestock, Poultry and Beehives by type, Standard Error and Coefficient of Variation for private holdings in Somalie Region

TYPE	NUMBER IN ('000)	SE (IN '000)	CV (%)
Cattle	548.77	114.03	20.78
Sheep	237.27	73.22	30.86
Goats	271.66	63.25	23.28
Horses	**	**	**
Asses	49.20	12.16	24.71
Mules	-	-	-
Camels	67.39	29.99	44.50
Poultry	151.35	26.50	17.51
Beehives	**	**	**

Estimated number of Livestock, Poultry and Beehives by type, Standard Error and Coefficient of Variation for private holdings in Benshangul–Gumuz Region

TYPE	NUMBER IN ('000)	SE (IN '000)	CV (%)
Cattle	208.52	70.92	34.01
Sheep	60.64	16.30	26.88
Goats	137.59	24.20	17.59
Horses	-	-	-
Asses	17.14	4.18	24.39
Mules	**	**	**
Camels	-	-	-
Poultry	459.09	46.55	10.14
Beehives	313.72	115.89	36.94

Estimated number of Livestock, Poultry and Beehives by type,
Standard Error and Coefficient of Variation for private holdings in
S.N.N.P.R

TYPE	NUMBER IN ('000)	SE (IN '000)	CV (%)
Cattle	5555.24	238.46	4.29
Sheep	2198.31	219.72	10.00
Goats	1194.96	110.25	9.23
Horses	206.55	33.36	16.15
Asses	169.22	23.79	14.06
Mules	39.33	7.27	18.50
Camels	-	-	-
Poultry	7307.01	433.07	5.93
Beehives	658.10	85.69	13.02

Estimated number of Livestock, Poultry and Beehives by type,
Standard Error and Coefficient of Variation for private holdings in
Gambela Region

TYPE	NUMBER IN ('000)	SE (IN '000)	CV (%)
Cattle	17.72	6.59	37.21
Sheep	**	**	**
Goats	**	**	**
Horses	-	-	-
Asses	-	-	-
Mules	-	-	-
Camels	-	-	-
Poultry	167.13	29.48	17.64
Beehives	**	**	**

Estimated number of Livestock, Poultry and Beehives by type, Standard Error and Coefficient of Variation for private holdings in Harari Region

TYPE	NUMBER IN ('000)	SE (IN '000)	CV (%)
Cattle	22.69	2.02	8.89
Sheep	4.49	0.83	18.41
Goats	15.16	2.35	15.52
Horses	—	—	—
Asses	2.83	0.63	22.24
Mules	—	—	—
Camels	—	—	—
Poultry	32.80	5.13	15.65
Beehives	0.33	0.14	43.50

Estimated number of Livestock, Poultry and Beehives by type, Standard Error and Coefficient of Variation for private holdings in Addis Ababa Region

TYPE	NUMBER IN ('000)	SE (IN '000)	CV (%)
Cattle	24.20	3.05	12.62
Sheep	3.88	1.13	29.16
Goats	5.02	1.09	21.79
Horses	0.29	0.08	27.72
Asses	5.00	0.88	17.65
Mules	0.19	0.09	46.30
Camels	—	—	—
Poultry	16.07	2.32	14.45
Beehives	**	**	**

Estimated number of Livestock, Poultry and Beehives by type,
Standard Error and Coefficient of Variation for private holdigns in
Dire Dawa Region

TYPE	NUMBER IN ('000)	SE (IN '000)	CV (%)
Cattle	40.54	12.53	30.91
Sheep	37.89	10.80	28.49
Goats	94.03	16.72	17.78
Horses	—	—	—
Asses	6.88	1.66	24.15
Mules	—	—	—
Camels	**	**	**
Poultry	62.97	18.73	29.74
Beehives	**	**	**

Estimated number of Cattle, Sheep and Goats by Age and Sex,
standard error and coefficient of variation, private holdings,
National

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
CATTLE			
Male Total	14434.15	295.85	2.05
Under 1 year	2422.50	122.94	5.07
1 year & under 2	1803.00	74.76	4.15
2 years & over	10208.66	217.71	2.13
Female Total	17321.21	460.82	2.66
Under 1 year	2593.75	81.39	3.14
1 year & under 2	1997.93	76.90	3.85
2 years & over	12729.53	350.40	2.75
SHEEP			
Male Total	3469.30	169.97	4.90
Under 1 year	2122.70	109.05	5.14
1 year & under 2	566.94	36.24	6.39
2 years & over	779.67	80.53	10.33
Female Total	9329.97	448.09	4.80
Under 1 year	2222.49	130.34	5.86
1 year & under 2	1088.61	67.77	6.23
2 years & over	6018.87	301.78	5.01
GOATS			
Male Total	3243.71	199.51	6.15
Under 1 year	1577.05	82.16	5.21
1 year & under 2	623.66	51.64	8.28
2 years & over	1043.00	88.50	8.48
Female Total	6725.25	324.26	4.82
Under 1 year	1700.16	85.89	5.05
1 year & under 2	992.19	60.49	6.10
2 years & over	4032.90	206.70	5.13

Estimated number of Cattle, Sheep and Goats by Age and Sex, standard error and coefficient of variation, private holdings in Tigray Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
CATTLE			
Male Total	875.45	53.89	6.16
Under 1 year	123.12	14.28	11.60
1 year & under 2	92.76	14.92	16.09
2 years & over	659.57	35.92	5.45
Female Total	853.41	76.82	9.00
Under 1 year	157.42	21.43	13.61
1 year & under 2	111.31	12.90	11.59
2 years & over	584.69	50.53	8.64
SHEEP			
Male Total	290.75	48.56	16.70
Under 1 year	181.94	34.73	19.09
1 year & under 2	50.57	11.21	22.16
2 years & over	58.24	12.52	21.50
Female Total	736.87	125.04	16.97
Under 1 year	157.63	29.73	18.86
1 year & under 2	110.27	25.87	23.47
2 years & over	468.97	80.67	17.20
GOATS			
Male Total	417.73	65.47	15.67
Under 1 year	187.34	23.89	12.75
1 year & under 2	87.35	16.32	18.68
2 years & over	143.03	32.94	23.03
Female Total	875.91	127.12	14.51
Under 1 year	201.94	30.06	14.89
1 year & under 2	177.93	27.40	15.40
2 years & over	496.04	80.22	16.17

Estimated number of Cattle, Sheep and Goats by Age and Sex, standard error and coefficient of variation, private holdings in Afar Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
CATTLE			
Male Total	87.08	20.62	23.68
Under 1 year	11.33	2.09	18.43
1 year & under 2	14.28	4.77	33.44
2 years & over	61.47	15.42	25.09
Female Total	136.08	33.32	24.48
Under 1 year	17.00	3.57	21.03
1 year & under 2	25.36	8.92	35.19
2 years & over	93.73	25.92	27.66
SHEEP			
Male Total	18.53	4.60	24.83
Under 1 year	4.45	1.39	31.20
1 year & under 2	8.41	3.28	38.97
2 years & over	5.67	1.90	33.51
Female Total	20.99	7.57	36.07
Under 1 year	**	**	**
1 year & under 2	4.57	1.56	34.10
2 years & over	12.74	4.52	35.50
GOATS			
Male Total	50.15	14.98	29.87
Under 1 year	17.50	6.18	35.31
1 year & under 2	11.02	3.18	28.89
2 years & over	21.63	6.11	28.27
Female Total	78.61	21.88	27.84
Under 1 year	19.22	5.34	27.79
1 year & under 2	14.48	4.31	29.78
2 years & over	44.91	12.80	28.50

Estimated number of Cattle, Sheep and Goats by Age and Sex, standard error and coefficient of variation, private holdigns in Amhara Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
CATTLE			
Male Total	4277.32	143.65	3.36
Under 1 year	491.31	27.69	5.64
1 year & under 2	463.59	28.84	6.22
2 years & over	3322.42	113.39	3.41
Female Total	3975.85	199.60	5.02
Under 1 year	572.03	35.45	6.20
1 year & under 2	439.88	35.63	8.10
2 years & over	2963.95	145.67	4.91
SHEEP			
Male Total	1037.48	99.79	9.62
Under 1 year	684.74	69.72	10.18
1 year & under 2	147.37	19.44	13.19
2 years & over	205.37	26.27	12.79
Female Total	2957.08	277.32	9.38
Under 1 year	645.13	69.72	10.81
1 year & under 2	260.61	32.55	12.49
2 years & over	2051.33	193.59	9.44
GOATS			
Male Total	1053.56	89.55	8.50
Under 1 year	531.49	45.03	8.47
1 year & under 2	204.19	24.58	12.04
2 years & over	317.88	37.57	11.82
Female Total	2142.79	162.88	7.60
Under 1 year	613.91	52.63	8.57
1 year & under 2	271.73	30.94	11.39
2 years & over	1257.15	92.81	7.38

Estimated number of Cattle, Sheep and Goats by Age and Sex, standard error and coefficient of variation, private holdigns in Oromiya Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
CATTLE			
Male Total	6882.88	227.98	3.31
Under 1 year	1260.27	114.97	9.12
1 year & under 2	889.17	63.28	7.12
2 years & over	4733.44	164.73	3.48
Female Total	8249.63	360.58	4.37
Under 1 year	1242.69	58.69	4.72
1 year & under 2	934.17	56.29	6.03
2 years & over	6072.78	281.17	4.63
SHEEP			
Male Total	1443.96	113.75	7.88
Under 1 year	895.80	68.15	7.61
1 year & under 2	223.77	23.78	10.63
2 years & over	324.38	71.18	21.94
Female Total	3745.79	275.68	7.36
Under 1 year	986.66	94.50	9.58
1 year & under 2	443.25	46.13	10.41
2 years & over	2315.88	178.77	7.72
GOATS			
Male Total	1196.83	158.40	13.23
Under 1 year	589.58	60.30	10.23
1 year & under 2	224.14	40.91	18.25
2 years & over	383.10	68.98	18.01
Female Total	2424.82	232.12	9.57
Under 1 year	598.26	57.00	9.53
1 year & under 2	327.71	37.43	11.42
2 years & over	1498.85	155.47	10.37

Estimated number of Cattle, Sheep and Goats by Age and Sex, standard error and coefficient of variation, private holdings in Somalie Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
CATTLE			
Male Total	183.61	32.08	17.47
Under 1 year	48.23	12.46	25.84
1 year & under 2	33.92	9.42	27.77
2 years & over	101.46	16.69	16.45
Female Total	365.16	82.87	22.69
Under 1 year	68.95	17.26	25.03
1 year & under 2	48.30	15.74	32.59
2 years & over	247.92	52.07	21.00
SHEEP			
Male Total	65.22	18.03	27.65
Under 1 year	24.85	9.90	39.83
1 year & under 2	22.65	7.06	31.17
2 years & over	17.72	6.65	37.52
Female Total	172.05	57.78	33.58
Under 1 year	34.75	13.36	38.43
1 year & under 2	38.02	11.88	31.24
2 years & over	99.28	38.93	39.21
GOATS			
Male Total	89.37	21.74	24.33
Under 1 year	42.11	12.66	30.06
1 year & under 2	14.17	3.92	27.69
2 years & over	33.10	11.11	33.56
Female Total	182.29	41.73	22.89
Under 1 year	36.78	9.71	26.41
1 year & under 2	25.82	7.91	30.64
2 years & over	119.69	27.44	22.92

Estimated number of Cattle, Sheep and Goats by Age and Sex, standard error and coefficient of variation, private holdings in Benshangul-Gumuz Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
CATTLE			
Male Total	101.50	35.13	34.61
Under 1 year	18.44	6.38	34.59
1 year & under 2	15.74	6.59	41.87
2 years & over	67.33	22.72	33.75
Female Total	107.02	36.12	33.75
Under 1 year	21.73	9.49	43.69
1 year & under 2	9.65	2.87	29.77
2 years & over	75.64	24.74	32.71
SHEEP			
Male Total	20.54	7.22	35.16
Under 1 year	12.18	3.68	30.17
1 year & under 2	2.61	0.97	37.08
2 years & over	**	**	**
Female Total	40.10	9.56	23.85
Under 1 year	11.26	3.46	30.76
1 year & under 2	8.25	2.74	33.17
2 years & over	20.59	4.59	22.29
GOATS			
Male Total	137.59	24.20	17.59
Under 1 year	40.20	7.44	18.51
1 year & under 2	22.33	4.16	18.63
2 years & over	8.93	2.21	24.77
2 years & over	8.94	2.74	30.60
Female Total	97.39	17.26	17.72
Under 1 year	29.57	5.06	17.11
1 year & under 2	16.22	4.13	25.48
2 years & over	51.60	10.54	20.43

Estimated number of Cattle, Sheep and Goats by Age and Sex, standard error and coefficient of variation, private holdings in S.N.N.P. Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
CATTLE			
Male Total	1987.51	96.45	4.85
Under 1 year	460.92	26.89	5.83
1 year & under 2	286.51	19.29	6.73
2 years & over	1240.09	71.25	5.75
Female Total	3567.72	164.94	4.62
Under 1 year	501.02	32.54	6.50
1 year & under 2	419.58	31.10	7.41
2 years & over	2647.12	126.17	4.77
SHEEP			
Male Total	577.16	56.75	9.83
Under 1 year	311.26	32.62	10.48
1 year & under 2	108.22	13.47	12.45
2 years & over	157.68	22.53	14.29
Female Total	1621.15	169.42	10.45
Under 1 year	374.25	45.99	12.29
1 year & under 2	217.68	24.14	11.09
2 years & over	1029.22	116.39	11.31
GOATS			
Male Total	355.65	40.24	11.31
Under 1 year	168.73	17.18	10.18
1 year & under 2	64.18	9.43	14.70
2 years & over	122.74	19.98	16.28
Female Total	839.31	76.88	9.16
Under 1 year	179.35	17.23	9.61
1 year & under 2	140.42	21.11	15.03
2 years & over	519.53	49.15	9.46

Estimated number of Cattle, Sheep and Goats by Age and Sex, standard error and coefficient of variation, private holdings in Gambela Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
CATTLE			
Male Total	4.27	1.38	32.35
Under 1 year	2.36	0.87	37.00
1 year & under 2	1.28	0.49	38.56
2 years & over	0.64	0.29	46.04
Female Total	13.45	5.36	39.84
Under 1 year	3.12	1.26	40.32
1 year & under 2	1.32	0.66	49.47
2 years & over	9.00	3.57	39.69
SHEEP			
Male Total	**	**	**
Under 1 year	**	**	**
1 year & under 2	**	**	**
2 years & over	**	**	**
Female Total	**	**	**
Under 1 year	**	**	**
1 year & under 2	**	**	**
2 years & over	**	**	**
GOATS			
Male Total	**	**	**
Under 1 year	**	**	**
1 year & under 2	**	**	**
2 years & over	**	**	**
Female Total	**	**	**
Under 1 year	**	**	**
1 year & under 2	**	**	**
2 years & over	**	**	**

Estimated number of Cattle, Sheep and Goats by Age and Sex, standard error and coefficient of variation, private holdings in Harari Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
CATTLE			
Male Total	8.97	1.03	11.47
Under 1 year	1.79	0.38	21.20
1 year & under 2	1.43	0.39	27.31
2 years & over	5.74	1.13	19.60
Female Total	13.72	1.45	10.60
Under 1 year	2.23	0.39	17.66
1 year & under 2	1.96	0.39	20.19
2 years & over	9.53	1.06	11.09
SHEEP			
Male Total	1.55	0.35	22.69
Under 1 year	0.76	0.22	29.23
1 year & under 2	0.36	0.17	45.93
2 years & over	0.44	0.18	40.66
Female Total	2.94	0.61	20.61
Under 1 year	0.78	0.26	33.51
1 year & under 2	0.48	0.19	38.54
2 years & over	1.68	0.39	23.06
GOATS			
Male Total	4.51	0.80	17.64
Under 1 year	2.23	0.47	21.26
1 year & under 2	1.52	0.45	29.65
2 years & over	0.75	0.24	32.02
Female Total	10.66	1.69	15.84
Under 1 year	2.56	0.57	22.21
1 year & under 2	2.56	0.51	19.75
2 years & over	5.54	0.87	15.75

Estimated number of Cattle, Sheep and Goats by Age and Sex, standard error and coefficient of variation, private holdings in Addis Ababa Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
CATTLE			
Male Total	13.35	1.75	13.11
Under 1 year	1.09	0.19	17.71
1 year & under 2	1.26	0.23	18.53
2 years & over	11.00	1.51	13.75
Female Total	10.85	1.44	13.28
Under 1 year	1.50	0.24	15.81
1 year & under 2	1.38	0.19	13.80
2 years & over	7.96	1.08	13.58
SHEEP			
Male Total	1.03	0.34	33.12
Under 1 year	0.47	0.17	36.76
1 year & under 2	0.16	0.07	41.45
2 years & over	**	**	**
Female Total	2.85	0.82	28.67
Under 1 year	0.81	0.31	37.80
1 year & under 2	0.37	0.12	31.84
2 years & over	1.68	0.49	28.94
GOATS			
Male Total	1.88	0.42	22.31
Under 1 year	0.72	0.16	22.14
1 year & under 2	0.50	0.22	44.05
2 years & over	0.65	0.25	38.30
Female Total	3.14	0.75	23.90
Under 1 year	0.77	0.19	24.14
1 year & under 2	0.24	0.11	43.25
2 years & over	2.13	0.51	23.86

Estimated number of Cattle, Sheep and Goats by Age and Sex,
standard error and coefficient of variation, private holdings in
Dire Dawa Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
CATTLE			
Male Total	12.21	3.77	30.90
Under 1 year	3.63	0.86	23.73
1 year & under 2	**	**	**
2 years & over	5.50	1.53	27.79
Female Total	28.32	8.80	31.08
Under 1 year	6.07	1.68	27.60
1 year & under 2	5.04	2.44	48.39
2 years & over	17.21	4.88	28.36
SHEEP			
Male Total	37.89	10.80	28.49
Under 1 year	11.73	3.80	32.41
Under 1 year	5.22	1.61	30.89
1 year & under 2	2.65	0.96	36.20
2 years & over	3.85	1.92	49.89
Female Total	26.17	7.15	27.33
Under 1 year	6.11	1.72	28.20
1 year & under 2	4.73	1.37	28.95
2 years & over	15.34	5.04	32.86
GOATS			
Male Total	94.03	16.72	17.78
Male Total	30.80	5.85	18.99
Under 1 year	13.11	1.97	15.04
1 year & under 2	7.10	1.52	21.40
2 years & over	10.60	2.95	27.88
Female Total	63.22	11.46	18.12
Under 1 year	15.76	2.60	16.49
1 year & under 2	13.27	1.98	14.91
2 years & over	34.19	7.77	22.74

Estimated number of Horses, Asses and Camels by Age and Sex,
 standard error and coefficient of variation, for private holdings,
 National

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
HORSES			
Male Total	534.49	60.53	11.32
Under 3 years	107.77	15.35	14.24
3 years & over	426.71	50.18	11.76
Female Total	554.04	59.52	10.74
Under 3 years	120.17	16.32	13.58
3 years & over	433.87	47.01	10.83
ASSES			
Male Total	1367.90	65.04	4.75
Under 3 years	422.42	25.12	5.95
3 years & over	945.47	58.16	6.15
Female Total	1478.22	64.19	4.34
Under 3 years	363.87	22.58	6.21
3 years & over	1114.35	49.31	4.43
CAMELS			
Male Total	121.50	35.33	29.08
Under 4 years	22.82	10.56	46.28
4 years & over	98.69	25.91	26.26
Female Total	126.38	60.22	47.65
Under 4 years	31.10	16.36	52.59
4 years & over	95.28	44.40	46.60

Estimated number of Horses, Asses and Camels by Age and Sex, standard error and coefficient of variation, for private holdings in Tigray Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
HORSES			
Male Total	—	—	—
Under 3 years	—	—	—
3 years & over	—	—	—
Female Total	—	—	—
Under 3 years	—	—	—
3 years & over	—	—	—
ASSES			
Male Total	137.63	16.33	11.87
Under 3 years	35.08	7.37	21.00
3 years & over	102.54	14.32	13.96
Female Total	123.81	16.61	13.42
Under 3 years	26.70	5.29	19.81
3 years & over	97.11	12.58	12.95
CAMELS			
Male Total	**	**	**
Under 4 years	**	**	**
4 years & over	**	**	**
Female Total	**	**	**
Under 4 years	—	—	—
4 years & over	**	**	**

Estimated number of Horses, Asses and Camels by Age and Sex, standard error and coefficient of variation, for private holdings in Afar Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
HORSES			
Male Total	—	—	—
Under 3 years	—	—	—
3 years & over	—	—	—
Female Total	—	—	—
Under 3 years	—	—	—
3 years & over	—	—	—
ASSES			
Male Total	7.09	1.57	22.16
Under 3 years	2.39	1.11	46.49
3 years & over	4.70	1.17	24.99
Female Total	9.39	3.50	37.24
Under 3 years	**	**	**
3 years & over	6.13	1.86	30.38
CAMELS			
Male Total	8.69	3.58	41.19
Under 4 years	2.24	1.12	49.79
4 years & over	6.45	2.51	38.98
Female Total	**	**	**
Under 4 years	**	**	**
4 years & over	**	**	**

Estimated number of Horses, Asses and Camels by Age and Sex, standard error and coefficient of variation, for private holdings in Amhara Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
HORSES			
Male Total	116.86	30.47	26.08
Under 3 years	20.81	4.67	22.43
3 years & over	96.04	27.82	28.97
Female Total	133.07	26.60	19.99
Under 3 years	32.75	7.89	24.10
3 years & over	100.31	20.44	20.38
ASSES			
Male Total	448.90	32.27	7.19
Under 3 years	183.76	14.79	8.05
3 years & over	265.14	28.05	10.58
Female Total	607.68	33.63	5.53
Under 3 years	154.77	12.80	8.27
3 years & over	452.91	25.94	5.73
CAMELS			
Male Total	**	**	**
Under 4 years	**	**	**
4 years & over	**	**	**
Female Total	-	-	-
Under 4 years	-	-	-
4 years & over	-	-	-

Estimated number of Horses, Asses and Camels by Age and Sex, standard error and coefficient of variation, for private holdings in Oromiya Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
HORSES			
Male Total	307.31	49.18	16.00
Under 3 years	66.30	13.83	20.86
3 years & over	241.02	39.13	16.23
Female Total	324.19	50.04	15.43
Under 3 years	73.94	13.90	18.79
3 years & over	250.25	38.88	15.54
ASSES			
Male Total	619.89	51.11	8.25
Under 3 years	177.89	18.34	10.31
3 years & over	441.99	45.92	10.39
Female Total	641.46	49.60	7.73
Under 3 years	162.16	17.43	10.75
3 years & over	479.30	37.73	7.87
CAMELS			
Male Total	**	**	**
Under 4 years	**	**	**
4 years & over	**	**	**
Female Total	**	**	**
Under 4 years	**	**	**
4 years & over	**	**	**

Estimated number of Horses, Asses and Camels by Age and Sex, standard error and coefficient of variation, for private holdings in Somalie Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
HORSES			
Male Total	**	**	**
Under 3 years	-	-	-
3 years & over	**	**	**
Female Total	-	-	-
Under 3 years	-	-	-
3 years & over	-	-	-
ASSES			
Male Total	29.82	6.66	22.32
Under 3 years	5.96	2.52	42.21
3 years & over	23.86	5.30	22.22
Female Total	19.38	6.03	31.14
Under 3 years	3.99	1.07	26.83
3 years & over	15.39	5.20	33.79
CAMELS			
Male Total	45.73	18.09	39.56
Under 4 years	**	**	**
4 years & over	39.99	14.60	36.50
Female Total	**	**	**
Under 4 years	**	**	**
4 years & over	**	**	**

Estimated number of Horses, Asses and Camels by Age and Sex, standard error and coefficient of variation, for private holdings in Benshangul-Gumuz Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
HORSES			
Male Total	-	-	-
Under 3 years	-	-	-
3 years & over	-	-	-
Female Total	-	-	-
Under 3 years	-	-	-
3 years & over	-	-	-
ASSES			
Male Total	10.49	2.78	26.53
Under 3 years	1.52	0.56	36.98
3 years & over	8.96	2.79	31.14
Female Total	6.65	2.56	38.43
Under 3 years	**	**	**
3 years & over	5.71	1.82	31.80
CAMELS			
Male Total	-	-	-
Under 4 years	-	-	-
4 years & over	-	-	-
Female Total	-	-	-
Under 4 years	-	-	-
4 years & over	-	-	-

Estimated number of Horses, Asses and Camels by Age and Sex, standard error and coefficient of variation, for private holdings in S.N.N.P. Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
HORSES			
Male Total	109.77	17.79	16.20
Under 3 years	20.64	4.75	23.03
3 years & over	89.13	14.61	16.39
Female Total	96.78	18.22	18.82
Under 3 years	13.47	3.32	24.62
3 years & over	83.31	16.74	20.10
ASSES			
Male Total	105.17	15.93	15.15
Under 3 years	14.30	3.63	25.39
3 years & over	90.87	15.60	17.17
Female Total	64.04	14.00	21.85
Under 3 years	10.79	2.94	27.25
3 years & over	53.25	11.92	22.39
CAMELS			
Male Total	-	-	-
Under 4 years	-	-	-
4 years & over	-	-	-
Female Total	-	-	-
Under 4 years	-	-	-
4 years & over	-	-	-

Estimated number of Horses, Asses and Camels by Age and Sex, standard error and coefficient of variation, for private holdings in Harari Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
HORSES			
MALE TOTAL	-	-	-
Under 3 years	-	-	-
3 years & over	-	-	-
Female Total	-	-	-
Under 3 years	-	-	-
3 years & over	-	-	-
ASSES			
Male Total	1.84	0.56	30.45
Under 3 years	0.34	0.11	33.39
3 years & over	1.50	0.60	39.67
Female Total	0.99	0.33	33.81
Under 3 years	0.23	0.10	41.89
3 years & over	0.76	0.26	34.42
CAMELS			
Male Total	-	-	-
Under 4 years	-	-	-
4 years & over	-	-	-
Female Total	-	-	-
Under 4 years	-	-	-
4 years & over	-	-	-

Estimated number of Horses, Asses and Camels by Age and Sex, standard error and coefficient of variation, for private holdings in Addis Ababa Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
HORSES			
MALE TOTAL	0.29	0.08	27.72
Under 3 years	**	**	**
3 years & over	0.27	0.07	27.16
Female Total	-	-	-
Under 3 years	-	-	-
3 years & over	-	-	-
ASSES			
Male Total	3.75	0.60	16.04
Under 3 years	0.26	0.13	47.45
3 years & over	3.49	0.60	17.25
Female Total	**	**	**
Under 3 years	**	**	**
3 years & over	**	**	**
CAMELS			
Male Total	-	-	-
Under 4 years	-	-	-
4 years & over	-	-	-
Female Total	-	-	-
Under 4 years	-	-	-
4 years & over	-	-	-

Estimated number of Horses, Asses and Camels by Age and Sex, standard error and coefficient of variation, for private holdings in Dire Dawa Region

AGE AND SEX	NUMBER IN ('000)	SE ('000)	CV %
HORSES			
MALE TOTAL	-	-	-
Under 3 years	-	-	-
3 years & over	-	-	-
Female Total	-	-	-
Under 3 years	-	-	-
3 years & over	-	-	-
ASSES			
Male Total	3.32	0.87	26.10
Under 3 years	0.91	0.40	44.34
3 years & over	2.41	0.80	33.32
Female Total	3.57	1.00	28.14
Under 3 years	0.77	0.28	36.42
3 years & over	2.80	0.79	28.35
CAMELS			
Male Total	**	**	**
Under 4 years	**	**	**
4 years & over	**	**	**
Female Total	1.26	0.59	46.88
Under 4 years	**	**	**
4 years & over	**	**	**

Estimated number of Cattle aged two years and over, Sheep and Goats aged one year and over by sex and purpose, standard error and coefficient of variation for private holdings, National

SEX AND PURPOSE	NUMBER IN ('000)	SE ('000)	CV (%)
CATTLE			
Male Cattle	10208.66	217.46	2.13
For Draught	8797.94	196.72	2.24
For Beef	335.87	58.67	17.47
For Other purposes	1074.86	63.08	5.87
Female Cattle	12729.53	350.09	2.75
For Milk	9543.08	282.57	2.96
For Draught	154.04	25.96	16.86
For Beef	115.18	17.41	15.11
For Other purposes	2917.24	111.27	3.81
SHEEP			
Male Total	1271.67	74.47	5.86
For Mutton	679.92	50.61	7.44
For Other purposes	591.75	47.14	7.97
Female Total	7014.99	338.24	4.82
For Mutton	199.66	33.15	16.60
For Other purposes	6815.33	332.18	4.87
GOATS			
Male Total	1634.68	130.72	8.00
For Meat	961.20	113.23	11.78
For Other Purposes	673.48	61.12	9.08
Female Total	5108.99	274.80	5.38
For Meat	287.17	105.51	36.74
For Other Purposes	4821.82	252.66	5.24

Estimated number of Cattle aged two years and over, Sheep and Goats aged one year and over by sex and purpose, standard error and coefficient of variation for private holdings in Tigray Region

SEX AND PURPOSE	NUMBER IN (^{'000})	SE (^{'000})	CV (%)
CATTLE			
Male Cattle	659.57	35.86	5.44
For Draught	624.52	31.62	5.06
For Beef	9.01	3.47	38.47
For Other purposes	26.04	6.97	26.75
Female Cattle	584.69	50.45	8.63
For Milk	449.78	39.36	8.75
For Draught	**	**	**
For Beef	**	**	**
For Other purposes	124.94	18.05	14.45
SHEEP			
Male Total	106.57	18.88	17.72
For Mutton	18.53	6.29	33.95
For Other purposes	88.04	18.24	20.71
Female Total	580.03	98.59	17.00
For Mutton	**	**	**
For Other purposes	577.77	98.28	17.01
GOATS			
Male Total	220.41	45.76	20.76
For Meat	50.59	14.70	29.06
For Other Purposes	169.82	37.13	21.87
Female Total	657.48	98.07	14.92
For Meat	**	**	**
For Other Purposes	628.70	94.68	15.06

Estimated number of Cattle aged two years and over, Sheep and Goats aged one year and over by sex and purpose, standard error and coefficient of variation for private holdings in Afar Region

SEX AND PURPOSE	NUMBER IN (^{'000})	SE (^{'000})	CV (%)
CATTLE			
Male Cattle	61.47	15.41	25.07
For Draught	41.60	14.59	35.07
For Beef	3.58	0.97	27.24
For Other purposes	16.30	3.50	21.45
Female Cattle	93.73	25.86	27.59
For Milk	72.47	21.68	29.91
For Draught	**	**	**
For Beef	8.98	4.45	49.50
For Other purposes	11.39	2.55	22.36
SHEEP			
Male Total	14.29	3.80	26.61
For Mutton	6.26	1.63	26.11
For Other purposes	8.03	2.79	34.70
Female Total	17.31	5.86	33.87
For Mutton	2.55	1.08	42.22
For Other purposes	14.76	5.10	34.52
GOATS			
Male Total	31.90	8.72	27.33
For Meat	15.94	5.12	32.14
For Other Purposes	15.96	5.97	37.42
Female Total	58.74	16.47	28.04
For Meat	8.89	3.78	42.58
For Other Purposes	49.85	13.71	27.51

Estimated number of Cattle aged two years and over, Sheep and Goats aged one year and over by sex and purpose, standard error and coefficient of variation for private holdings in Amhara Region

SEX AND PURPOSE	NUMBER IN (^{'000})	SE (^{'000})	CV (%)
CATTLE			
Male Cattle	3322.42	113.29	3.41
For Draught	3053.38	107.12	3.51
For Beef	44.41	8.48	19.09
For Other purposes	224.63	25.23	11.23
Female Cattle	2963.95	145.52	4.91
For Milk	2112.56	122.33	5.79
For Draught	110.16	23.17	21.03
For Beef	28.15	5.74	20.38
For Other purposes	713.08	46.91	6.58
SHEEP			
Male Total	353.85	41.51	11.73
For Mutton	198.93	25.54	12.84
For Other purposes	154.93	28.51	18.40
Female Total	2297.86	213.74	9.30
For Mutton	74.40	24.63	33.11
For Other purposes	2223.46	209.36	9.42
GOATS			
Male Total	512.94	55.12	10.75
For Meat	343.32	45.83	13.35
For Other Purposes	169.62	24.23	14.28
Female Total	1582.27	138.82	8.77
For Meat	84.91	24.07	28.35
For Other Purposes	1497.35	134.74	9.00

Estimated number of Cattle aged two years and over, Sheep and Goats aged one year and over by sex and purpose, standard error and coefficient of variation for private holdings in Oromiya Region

SEX AND PURPOSE	NUMBER IN (^{'000})	SE (^{'000})	CV (%)
CATTLE			
Male Cattle	4733.44	164.52	3.48
For Draught	3929.97	145.50	3.70
For Beef	193.74	54.80	28.28
For Other purposes	609.73	52.63	8.63
Female Cattle	6072.78	280.94	4.63
For Milk	4703.36	225.51	4.79
For Draught	25.49	7.28	28.54
For Beef	43.40	12.08	27.83
For Other purposes	1300.52	83.72	6.44
SHEEP			
Male Total	474.07	48.17	10.16
For Mutton	278.27	36.63	13.16
For Other purposes	195.80	26.95	13.76
Female Total	2689.18	200.61	7.46
For Mutton	73.37	15.51	21.14
For Other purposes	2615.81	198.01	7.57
GOATS			
Male Total	597.89	104.71	17.51
For Meat	407.62	100.09	24.56
For Other Purposes	190.27	37.55	19.74
Female Total	1896.23	204.07	10.76
For Meat	136.57	101.12	74.04
For Other Purposes	1759.66	178.80	10.16

Estimated number of Cattle aged two years and over, Sheep and Goats aged one year and over by sex and purpose, standard error and coefficient of variation for private holdings in Somalie Region

SEX AND PURPOSE	NUMBER IN ('000)	SE ('000)	CV (%)
CATTLE			
Male Cattle	101.46	16.66	16.42
For Draught	73.22	12.40	16.94
For Beef	**	**	**
For Other purposes	5.49	1.82	33.18
Female Cattle	247.92	52.03	20.99
For Milk	178.43	42.56	23.85
For Draught	**	**	**
For Beef	**	**	**
For Other purposes	49.04	13.54	27.62
SHEEP			
Male Total	39.22	11.05	28.16
For Mutton	19.86	8.26	41.60
For Other purposes	19.37	5.84	30.17
Female Total	137.17	44.67	32.57
For Mutton	**	**	**
For Other purposes	110.99	31.79	28.65
GOATS			
Male Total	46.88	12.80	27.31
For Meat	22.87	9.65	42.21
For Other Purposes	24.01	9.90	41.25
Female Total	144.43	32.76	22.68
For Meat	**	**	**
For Other Purposes	134.14	30.76	22.93

Estimated number of Cattle aged two years and over, Sheep and Goats aged one year and over by sex and purpose, standard error and coefficient of variation for private holdings in Benshangul-Gumuz Region

SEX AND PURPOSE	NUMBER IN ('000)	SE ('000)	CV (%)
CATTLE			
Male Cattle	67.33	22.69	33.70
For Draught	53.96	14.88	27.57
For Beef	**	**	**
For Other purposes	**	**	**
Female Cattle	75.64	24.71	32.67
For Milk	58.13	18.94	32.58
For Draught	**	**	**
For Beef	**	**	**
For Other purposes	16.89	6.51	38.57
SHEEP			
Male Total	6.19	2.20	35.54
For Mutton	1.74	0.73	41.82
For Other purposes	4.45	1.82	40.94
Female Total	28.48	6.70	23.53
For Mutton	**	**	**
For Other purposes	28.10	6.74	23.99
GOATS			
Male Total	17.16	4.10	23.90
For Meat	7.12	2.77	38.90
For Other Purposes	10.03	3.35	33.39
Female Total	67.98	13.14	19.19
For Meat	**	**	**
For Other Purposes	66.61	13.32	19.85

ARTISTIC PRINTERS