

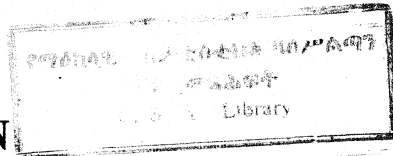
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**FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA
CENTRAL STATISTICAL AUTHORITY**

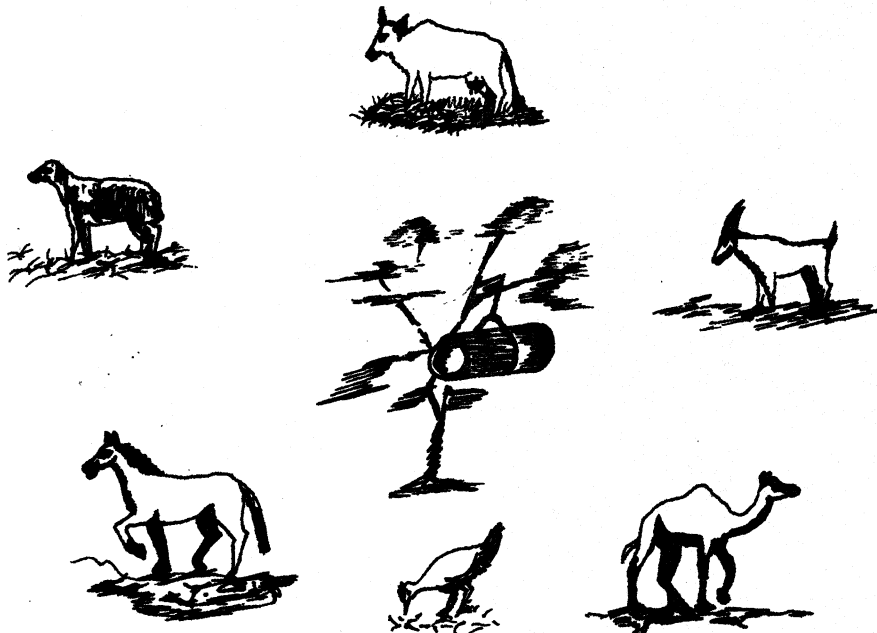
**AGRICULTURAL SAMPLE SURVEY
1997/98 (1990 E.C)**

VOLUME II

REPORT ON



**LIVESTOCK, POULTRY AND BEEHIVES POPULATION
(PRIVATE PEASANT HOLDINGS)**



**ADDIS ABABA
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Table of Contents

	<u>Page</u>
Part I. Introduction and Objective of the Survey	1
1. Introduction	1
2. Objective of the survey	2
Part II. Survey Methodology, Data collection and processing.....	3
1. Scope, Coverage and Content of the Survey	3
2. Basic Concepts and Definitions	5
3. Sample design	7
4. Field Organization	7
5. Training of Field Staff	8
6. Method of Data Collection	8
7. Data processing	9
A. Editing, Coding and Verification	9
B. Data Entry, Cleaning and Processing	9
Part III. Summary of the Results.....	11
1. National Distribution of Livestock, Poultry and Beehives	11
2. Regional and Zonal Distribution	16
2.1 Cattle, Sheep and Goats.....	16
2.2 Draught Animals - Horses, Asses, Mules and Camels	29
2.3 Poultry and Beehives	42

	<u>Page</u>
3. Distribution of Livestock by age group.....	49
4. Utilization of Livestock, Poultry and Beehives....	52
4.1 Cattle.....	52
4.2 Sheep and Goats	58
4.3 Draught Animals	67
4.4 poultry	72
4.5 Beehives	72
Annex Tables.....	77
Appendix I	225
Appendix II	229
Appendix III	233
Appendix IV	239

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, People's Region

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Part I

INTRODUCTION AND OBJECTIVES OF THE SURVEY

1. INTRODUCTION

Ethiopia is basically an agricultural country where 85 % of the population earn their livelihood from agriculture. The livestock sub-sector which is an integral part of agriculture in the Ethiopian context contributes a substantial amount to the agricultural GDP. Currently there is a rapid growing demand for livestock data. Government, non-governmental organizations and private users need accurate livestock data for policy formulation and investment decisions.

In this regard, the Central Statistical Authority has been conducting an annual Agricultural Sample Surveys since 1980/81 (1973 E.C.) to provide information on certain livestock characteristics.

This bulletin, which is **volume II of the Agricultural Sample Survey, 1997/98 (1990 E.C)** presents the objectives of the survey, coverage and content of the survey, sample design, training of field staff, field organization, method of data collection, some basic concepts and definitions and survey results of Livestock, Poultry and Beehives. Furthermore, it presents appendices that comprise of the survey questionnaire, number of EAs sampled and actually covered, number of households planned to be covered and actually covered, estimation procedures, standard errors and coefficient of variation by type for livestock, poultry and beehives. Like wise, standard errors and coefficient of variation for cattle, sheep and goats by age and purposes are presented in the appendix at national and regional levels.

2. OBJECTIVE OF THE SURVEY

The general objective of the Agricultural Sample Survey (AgSS) 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 objectives of the agricultural Sample survey were to estimate the total cultivated land; total production and yield of major crops per hectare; crop land uses (temporary and permanent); number of livestock and poultry by type, purpose, sex and age; number of beehives and honey production in the private peasant holdings for the country, regions and group of zones.

Part II

SURVEY METHODOLOGY, DATA COLLECTION AND PROCESSING

1. SCOPE, COVERAGE AND CONTENT OF THE SURVEY

The 1997/98 (1990 E.C.) livestock survey, which is part of the annual agricultural sample survey, covered the rural part of the country, except six zones in Somalie region and two zones in Afar region. Furthermore the survey coverage was limited to nine weredas out of 13 from the three covered zones in Somalie region and eight weredas out of 15 from the three covered zones in Afar region. Accordingly a total of 56 zones and 409 weredas were covered in the survey. The areas covered by the survey are given in Table A.

A total sample of 1420 EAs (2.84 % of the total EAs in the rural sedentary portion of the country) were selected for the survey. However, 25 EAs were "closed" (or not used) for various reasons beyond the control of the Authority and the survey succeeded in covering 1395 EAs (or 98.2 % of the original sample) . With respect to ultimate sampling units, it was planned to cover 58,425 agricultural households. The response rate was found to be 96.9 %. Distribution of sample units by domain (reporting levels) is given in Appendix II of this bulletin.

This volume deals with number of livestock by type, sex, age category, purpose, number of poultry by kind, number of beehives by type and total honey production for the country, regions and zones taken as reporting levels.

**Table A. AREAL COVERAGE OF THE 1997/98 (1990 E.C) 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	4	4	-	34	31
AFAR ¹	5	3	2	8	7
AMHARA	11	10	1	93	92
OROMIYA	12	12	-	174	171
SOMALIE ²	9	3	6	9	9
BEN-GUMEZ	3	3	-	20	15
S.N.N.P.R.	14	14	-	74	72
GAMBELA	4	3	-	5	5
HARARI	1	1	1	1	1
A. ABABA ³	6	2	4	5	5
DIRE DAWA	1	1	-	1	1
TOTAL	70	56	14	424	409

Notes

- 1 - Afar region has a total of five zones, but only three zones have significant sedentary rural population.
- 2 - Somalie region has a total of nine zones, however only three zones have significant sedentary rural population.
- 3 - 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