

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

**AGRICULTURAL SAMPLE SURVEY
1998/99 (1991 E.C.)**

VOLUME III

**REPORT ON
FARM MANAGEMENT PRACTICES**

(PRIVATE PEASANT HOLDINGS, MEHER SEASON)

**ADDIS ABABA
MAY, 1999**

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Tel. 55-30-11**

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PART I

INTRODUCTION AND OBJECTIVES OF THE SURVEY

1. INTRODUCTION

Agriculture is the major contributor to the Ethiopian economy. A great majority of the Ethiopian population are engaged in agriculture to earn their livelihood and most of the nation's exports are made up of agricultural produce. The collection of reliable, comprehensive and timely data on agriculture is thus essential for policy formulation, decision making and other uses. In this regard the Central Statistical Authority (CSA) has exerted effort to provide users and policy makers with reliable and timely agricultural data.

This report presents survey results on agricultural practices such as use of improved seeds, irrigation, application of pesticides and fertilizers within the private peasant sector of the economy. The report consists of three parts where Part I includes the objectives of this annual survey, Part II includes coverage and content of the survey, sample design, field organization, training of field staff, method of data collection and Part III includes survey estimates of farm inputs applied areas as well as the quantities of inputs applied.

Estimation procedures and formulations for estimates of totals and variance for the agricultural practices and crop areas during the main (Meher) season are presented in Appendix I and estimates of the standard errors with the corresponding coefficients of variations (CVs) for farm inputs applied area and quantity of inputs applied are presented in Appendix II.

2. OBJECTIVES OF THE SURVEY

The general objective of CSA's Agricultural Sample Survey (AgSS) is to collect basic quantitative information on the country's agriculture that is considered essential for development planning, socio-economic policy formulation and other purposes. The AgSS is composed of four components: crop production forecast survey, Meher season survey, livestock survey, and Belg season crop production survey.

In particular, the objectives of the Meher season farm management practices survey are to estimate the total farm inputs applied area and quantity of inputs applied by type for major temporary and permanent crops. This report is based on the private peasant holdings in the sedentary rural areas of the country, further divided by regions and zones.

PART II

SURVEY METHODOLOGY, DATA COLLECTION AND PROCESSING

1. SCOPE, COVERAGE AND CONTENT OF THE SURVEY

The 1998/99 (1991 E.C) annual Agricultural Sample Survey used a sampling frame which was designed to cover the sedentary rural agricultural population in all regions of the country (urban and nomadic areas were not included in the survey). A break down of the sample distribution expressed by regions, zones and weredas is shown in Table A. A total of 56 zones and 417 weredas were actually covered by the survey.

The area sampling unit used for this survey is defined as an Enumeration Area (E.A) as identified for the 1994 Population and Housing Census. For the 1998/99 AgSS a total of 1450 E.As were selected from all regions of the country. Due to various reasons, 22 EAs were not covered in the survey which resulted in the survey actually covering 1428 E.As. From each of the selected E.As a representative sample of forty agricultural households were selected to estimate the various agricultural population items of interest of the sampled E.A.

Of these forty agricultural households, the first twenty-five were used for obtaining information on area under crops, Meher and Belg season

production of major crops, land use, agricultural practices, crop damage, and quantity of agricultural inputs used. It is important to note that of the total forty agricultural households sampled in each of the selected E.As, data on crop cutting were collected for only the fifteen households (11th - 25th households selected) for the area and production survey.

Table A Area Coverage of the 1998/99 Agricultural Sample Survey

REGION	NUMBER OF ZONES			NUMBER OF WEREDAS		
	TOTAL	COVERED	NOT COVERED	TOTAL ³	COVERED	NOT COVERED
TIGRAY ¹	5	4	1	33	33	-
AFAR ²	5	3	2	8	7	1
AMHARA ¹	11	10	1	93	93	-
OROMIYA	12	12	-	171	171	-
SOMALIE ²	9	3	6	9	9	-
BENISHANGUL-GUMUZ	3	3	-	18	18	-
SNNP	14	14	-	73	73	-
GAMBELA	4	3	1	5	5	-
HARARI	1	1	-	1	1	-
ADDIS ABABA ¹	6	2	4	5	5	-
DIRE DAWA	1	1	-	1	1	-
TOTAL	71	56	15	417	416	1

Note

1= Zones that are not covered in these regions are urban.

2 = Zones that are not covered in these regions are the ones that are not inhabited by significant number of sedentary population.

3 = Numbers of total weredas signify those weredas in covered zones of the respective regions.

SNNP = Southern Nations, Nationalities and Peoples.