

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

**AGRICULTURAL SAMPLE SURVEY
2000/2001 (1993 E.C.)**

(September 2000 – February 2001)

VOLUME III

REPORT ON

FARM MANAGEMENT PRACTICES

(PRIVATE PEASANT HOLDINGS, MEHER SEASON)

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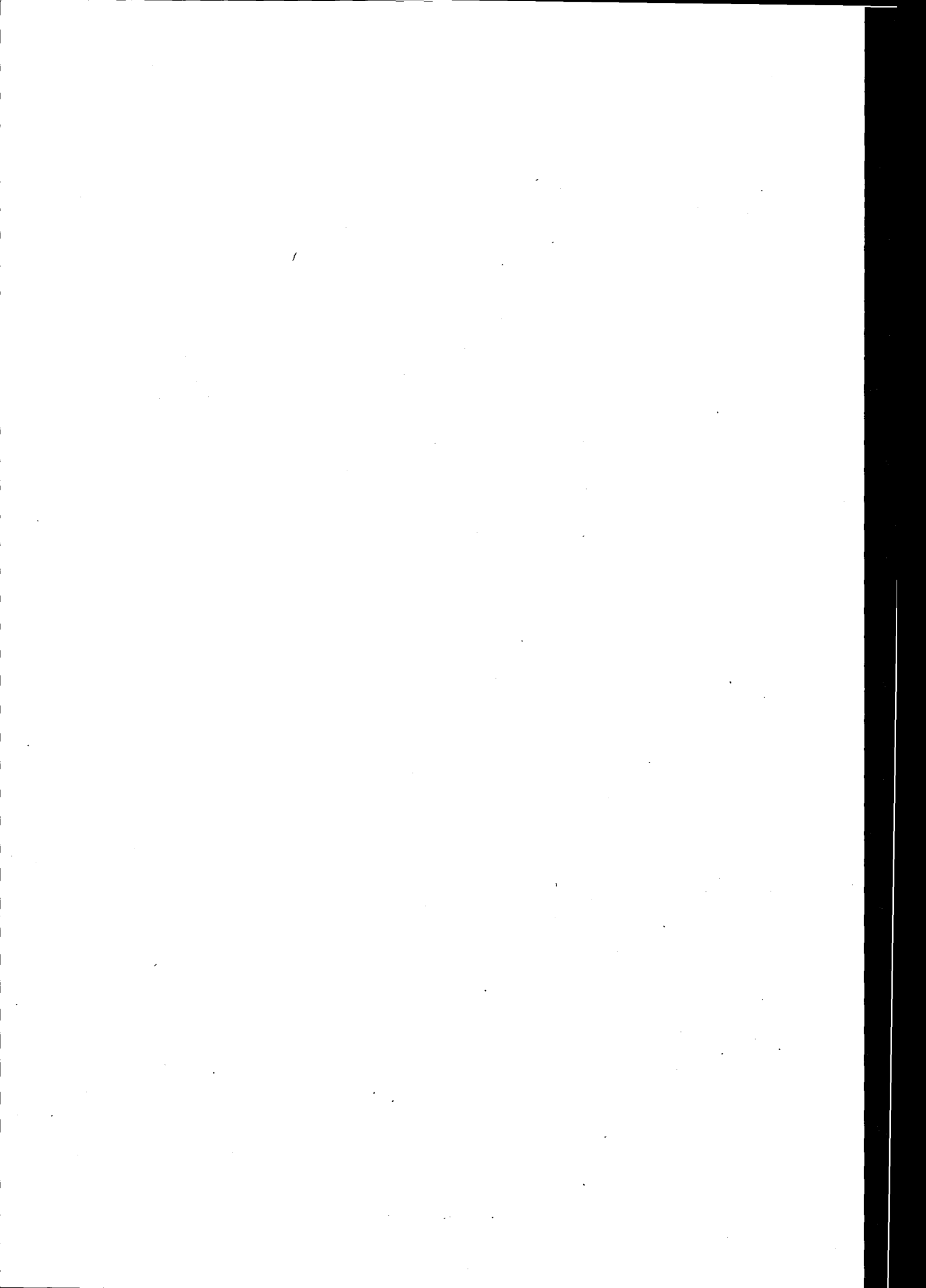
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PART I

INTRODUCTION AND OBJECTIVES OF THE SURVEY

1. Introduction

The health and wealth of a nation and its potential to develop and grow depend on its ability to feed its people. To help ensure that food will remain available to those who need it, there is nothing more important to give priority to than agriculture. Accurate and timely statistics about the basic produce and supplies of agriculture are essential to assess the agricultural situation. To help policy makers deal with the fundamental challenge they are faced with in the agricultural sector of the economy and develop measures and policies to maintain food security, there should be a continuous provision of statistics. The collection of reliable, comprehensive and timely data on agriculture is thus required for the above purposes. In this perspective, the Central Statistical Authority (CSA) has endeavoured to generate agricultural data for policy makers and other users.

This report contains survey results on agricultural practices such as use of improved seeds, irrigation, application of pesticides and fertilizers within the private peasant holding sector of the economy. The report consists of three parts where Part I encompasses 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 deals with survey estimates of farm inputs applied areas as well as the quantities of inputs applied.

Estimation procedures and formulations for estimates of totals and variances 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 sub-divided by regions and zones.

PART II

SURVEY METHODOLOGY, DATA COLLECTION AND PROCESSING

1. Scope, Coverage and Content of the Survey

The 2000/2001 (1993 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). Illustrated in Table A is a breakdown of the sample distribution as expressed by regions, zones and weredas. A total of 55 zones and 412 weredas were actually covered by the survey.

The area sampling unit used for this survey is defined as an Enumeration Areas (EAs) as defined for the 1994 Population and Housing Census. For the 2000/2001 AgSS a total of 1430 enumeration areas were selected from all regions of the country. Due to various reasons, 8 EAs were not covered in the survey which resulted in the survey actually covering 1422 Enumeration Areas (EAs). From each of the selected EAs a representative sample of forty agricultural households were selected to represent the agricultural population of the sampled EA.

Of these forty agricultural households, the first twenty-five were used for obtaining information on area under crops, Meher and Belg seasons' production of crops, land use, agricultural practices, crop damage, and quantity of agricultural inputs used.

Table A: Area Coverage of the 2000/2001 Agricultural Sample Survey

REGION	NUMBER OF ZONES / SP. WEREDAS			NUMBER OF WEREDAS		
	TOTAL	COVERED	NOT COVERED	TOTAL	COVERED	NOT COVERED
TIGRAY ¹	5	4	1	33	33	-
AFAR ²	5	2	3	8	5	3
AMHARA ¹	11	10	1	93	92	1
OROMIYA	12	12	-	171	170	1
SOMALIE ²	9	3	6	9	9	-
BENISHANGUL_GUMUZ	3	3	-	18	18	-
SNNP	14	14	-	73	73	-
GAMBELLA ²	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	55	16	417	412	5

Note

1= Zones not covered in these regions are urban.

2 = Zones not covered in these regions 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.

2. Concepts and and Definitions

In order to collect standardized data of acceptable quality, the same concepts and definitions must be used by all field enumerators during data collections. Hence some of the more important concepts and definitions used in the survey are given below.

Enumeration Area (E.A) an enumeration area in the rural parts of the country is a locality that is less than or equal to a farmers' association in geographical area and usually consists of 150-200 households.

Household: a household may be either;

a) a one person household, that is a person who makes provisions for his own 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 provisions for food or other essentials of 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. These persons are taken as members of the household.

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

Holder a holder is a person who exercises management control over the operations of the agricultural holding and makes the major decision regarding the utilization of the available resources. He has primary 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 the help of others, operates land or raises livestock in his own right, i.e. the person who decides on what, when, where, and how to grow crops or raise livestock, and has the right to determine the utilization of the products.

Holding : a holding is all the land and / or livestock kept which is used wholly or partly for agricultural production and is operated as one legal entity by one person alone, or with others without regard to management, organization, size or location.

Size of Holding : in this report the size of holding is determined by total area under all different crops such as area under temporary crops and permanent crops.

Parcel : a parcel of holding is any piece of land entirely surrounded by land and / or water and / or road and / or forest, etc. which is not part of the holding. It may consist of one or more cadastral units, plots or fields adjacent to each other.

Field : a field is defined as any plot of land which is a parcel or part of a parcel under the same or mixed crops or any other form of private land holding.

Meher (main) Season crop : any crop harvested between Meskerem (September) and Yekatit (February) is considered as a Meher season crop.

Belg season crop : any crop harvested between the months of Megabit (March) and Nehase (August).

Temporary crops : crops which are grown in less than a year's time, sometimes only a few months with an objective to sow or replant again for additional production following the current harvest. Continuously grown crops planted in rotation are also considered temporary crops since each is harvested and destroyed by ploughing in preparation for each successive crop.

Permanent crops : are crops which are grown and occupy land for a long period of time, not requiring replanting for several years after each harvest. All fruit trees (i.e. oranges, mandarin, banana, etc) and trees for beverages (i.e. coffee, tea, etc) are considered permanent crops, but meadows and pastures are excluded.

3. SAMPLE DESIGN

The 2000/2001 (1993 E.C.) Meher season agricultural sample survey covered the rural part of the country except three zones in Afar Regional state and six zones in Somalie Regional state that are predominantly nomadic. A two-stage stratified sample design was used to select the sample. Each zone/special wereda was adopted as stratum for which major findings of the survey are reported except the four regions; namely, Gambela, Harari, Addis Ababa and Dire Dawa which were considered as strata/reporting levels. The primary sampling units (PSUs) were enumeration areas (EAs) and agricultural households were the secondary sampling units.

The survey questionnaires were administered to all agricultural holders within the sample households. A fixed number of sample EAs was determined for each stratum/reporting level based on precision of major estimates and cost considerations. Within each stratum EAs were selected using probability proportional to size systematic sampling; size being total number of agricultural households in the EAs as obtained from the 1994 population and housing census. From each sample EA, 40 agricultural households were systematically selected for the annual agricultural sample survey from a fresh list of households prepared at the beginning of the field work of the annual agricultural survey. Of the forty agricultural households, the first twenty five were used for obtaining information on area under crops, Meher and Belg season production of 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 EAs, data on

crop cutting were collected for only the fifteen households (11th-25th households selected).

A total of 1,430 EAs were selected for the survey. However, 8 EAs were closed for various reasons beyond the control of the Authority and the survey succeeded in covering 1422 (99.44 %) EAs. With respect to ultimate sampling units, for the Meher season agricultural sample survey, it was planned to cover 35,750 agricultural households. The response rate was found to be 99.14%. Distribution of the number of sampling units sampled and covered by strata is given in appendix I. Estimation procedures of parameters of interest (total and ratio) and their sampling error is presented in appendix II

4. Field Organization

All the 22 Branch Statistical Offices of the CSA participated in the survey undertaking, especially in organizing the second stage training, in deploying the field staff to their respective sites of assignment, in supervising the data collection, and retrieving completed questionnaires and submitting them to the head office for data processing. They were also responsible in administering the financial and logistic aspect of the survey within their areas of assignment. In the data collection of the survey, a total of 1558 enumerators and 336 field supervisors were involved with an average supervisor-enumerator ratio of 1 to 5. To accomplish the data collection operation, all the enumerators were supplied with the necessary survey equipment at the completion of the training. To assist the data collection activities in deployment, supervision and retrieval of completed questionnaires, a total of 143 four-wheel vehicles

**TABLE B : DISTRIBUTION OF FIELD STAFF AND VEHICLES
BY BRANCH OFFICES**

Branch office	Number of		
	Enumerators	Supervisors	Vehicles
Mekele	102	25	9
Asayita	32	6	3
Gondar	72	17	7
Bahir Dar	121	24	8
Dessie	102	25	7
Debre Birhan	67	18	8
Nazreth	55	15	9
Ambo	66	14	7
Nekemte	76	18	7
Jima	93	22	7
Goba	36	9	6
Asebe Teferi	46	11	5
Jijiga	22	5	3
Asosa	49	10	4
Awasa	171	40	12
Mizan Teferi	65	16	6
Arba Minch	119	28	8
Hosana	97	24	7
Gambela	32	7	4
Harar	51	13	4
Addis Ababa	31	9	7
Dire Dawa	53	10	5
Total	1558	366	143

were used. Table B shows distribution of the field staff and vehicles by branch offices.

5. Training of Field Staff

The field staff training program was carried out in two stages. The first stage consisted of training of staff from the head office, Branch Statistical Office Heads and senior field supervisors. This training was given for a period of one week at CSA's headquarters in Addis Ababa. Many of these personnel trained in the first stage were assigned to conduct similar training for field supervisors and enumerators for fifteen days in all the twenty-two CSA Branch Statistical Offices which are distributed all over the country. During this second stage of training, the field staff were given detailed classroom instruction on the objectives and uses of the AgSS, concepts and definitions of terms used, the method of area measurement, method of crop cutting, correct interviewing procedures, ... etc. The training of the enumerators and supervisors also included field practice to reinforce the understanding of the concepts, definitions and theories discussed in the classroom with regard to field measurement and crop cutting methods.

6 .Method of Data Collection

In the 2000/2001 AgSS data on area and production were recorded on questionnaires using both subjective and objective enumeration methods. Information on agricultural practices (application of pesticides and use of irrigation) were collected subjectively by interviewing the holders and data on area under crops, yield, application of fertilizers and use of seeds were collected by performing objective measurements in each sampled household.

The objective measurement procedures for area measurement were carried out for the twenty-five selected agricultural households from each sampled EA. This required that all separate fields by land area utilization be physically measured using compass and measuring tape.

7. Data Processing

7.1 Editing, Coding and Verification

In order to insure the quality of the collected survey data an editing, coding and verification instruction manual was prepared and printed. Then 23 editors-coders and 22 verifiers were trained for two days in the editing, coding and verification operation using the aforementioned manual as a reference and teaching aid. The completed questionnaires were edited, coded and later verified on a 100% basis before the questionnaires were passed over to the data entry unit. The editing, coding and verification exercise of all questionnaires was completed in about 30 days.

7.2 Data Entry, Cleaning and Tabulation

Before starting data entry, professional staff of Agricultural Statistics Department prepared edit specifications for use on personal computers utilizing the Integrated Microcomputer Processing System (IMPS) software for data consistency checking purposes. The data on the coded questionnaires were then entered into personal computers using IMPS software. The data were then checked and cleaned using the edit specifications prepared earlier for this purpose. The data entry operation involved about 31 data encoders and it took 28 days to complete the job. Finally, tabulation was done on personal computers to produce results as indicated in the tabulation plan.



PART III

SUMMARY OF SURVEY RESULTS

1. Area Under Different Farm Management Practices

This part of the Agricultural Sample Survey report gives a picture of total crop area on which the private peasant holders applied agricultural inputs such as improved seeds, irrigation, pesticides and fertilizers in order to increase the volume and quality of crop production. The summary of results is presented below.

Fertilizer :- refers to any thing that is added to the soil and intended to increase the amount of plant nutrients available for crop growth. In this survey two types of fertilizers (Natural and Chemical) are normally covered. The Natural fertilizer consists of the farm yard manure and wood ashes while the Chemical types consist of DAP (Di-Ammonium Phosphate) and UREA (Ammonium Nitrate).

Pesticides :- are chemicals that are useful for the control, mitigation or elimination of pests which are detrimental to crops. Pesticides include insecticides and herbicides.

Area irrigated :- refers to the practice where an area of land is purposely and actually provided with water, other than by rain to improve the production of crops. The uncontrolled flooding of land by the overflow of rivers or streams is not considered to be irrigation.

Improved seeds :- are defined as a crop variety which gives a significantly higher yield and better quality compared to locally produced varieties of seeds.

Summary Table A. Area Under Farm Management Practices 2000/2001 (1993 E.C)

Practices	Area ('000 HA)
Use of fertilizer	3949.56
Use of pesticides	1007.51
Use of improved seeds	440.26
Use of irrigation	81.70

1.1 Total Fertilizer Applied Area

Although fertilizer is one of the very important agricultural inputs used to increase production only 3.95 million hectares (37.85%) of the total cultivated crop area had fertilizer applied on it at national level. Out of this total fertilizer applied area 3.68 million hectares (93.16%) was reported to have been under temporary crops and the remaining 270.21 thousand hectares (6.84%) was under permanent crops. See Table 1.1

1.2 Total Pesticide Applied Area

As shown in Table 1.1 the total cultivated crop area in 2000/2001 (1993 E.C) Meher season was about 10.44 million hectares at national level. Out of this pesticide was applied to only 9.65% of the total crop area. The total pesticide applied temporary crop area was estimated at about 1003.87 thousand hectares (99.64%) of the total pesticide applied area while the total pesticide applied permanent crop area was 3.64 thousand hectares (0.36%) of the total

pesticide applied area. The largest pesticide applied crop area was reported to have been under teff (44.03%) followed by wheat (39.30%).

1.3 Total Improved Seed Applied Area

As illustrated in Table 1.1 the total cultivated crop area (temporary and permanent) was about 10.44 million hectares. Of this cultivated crop area, improved seeds were applied to 440.26 thousand hectares (4.22%). This indicates that the private peasant holders use mostly indigenous seeds which may be due to the cost and / or inadequate availability of improved seeds. Out of the total improved seed applied area, about 418.75 thousand hectares (95.11%) was under temporary crops and the remaining (4.89%) was under permanent crops. For details refer to Table 1.1

1.4 Total Irrigated Area

Of the total cultivated area, the total irrigated area at national level was 81.70 thousand hectares (0.78%). Of the total irrigated crop area about 59.19 thousand hectares (72.45%) was under temporary crops while 22.51 thousand hectares (27.55%) was under permanent crops. Out of the total irrigated area under temporary crops 23.21% was covered by maize followed by sorghum 19.47%. Similarly of the total irrigated area under permanent crops 8.86% was covered by Coffee followed by Chat 8.54% (see Table 1.1).

Note

1. If in some tables figures do not add up to total it is due to rounding.
2. Those estimates designated by "***" in all tables could not be reported because of high coefficients of variations (i.e. they are less reliable). However they are incorporated in the total estimates.
3. "-" in tables represents data not reported.

TABLE 1.1

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

National

('000 HA)

TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	7,636.62	73.18	415.27	94.32	45.77	56.03	986.27	97.89	3,339.73	84.56
Teff	2,182.53	20.91	14.52	3.30	5.65	6.92	443.65	44.03	1,146.46	29.03
Barely	874.00	8.38	.90	.20	3.68	4.50	83.52	8.29	315.39	7.99
Wheat	1,139.72	10.92	53.95	12.25	1.33	1.63	395.97	39.30	746.76	18.91
Maize	1,719.73	16.48	344.57	78.26	18.96	23.21	25.30	2.51	843.64	21.36
Sorghum	1,332.86	12.77	1.33	.30	15.91	19.48	25.17	2.50	131.94	3.34
Millet	346.78	3.32	-	-	*	*	9.50	.94	143.04	3.62
Oats	40.98	.39	-	-	-	-	3.17	.31	12.51	.32
PULSES	1,233.93	11.82	1.71	.39	3.88	4.75	7.56	.75	172.58	4.37
Horse Beans	426.24	4.08	.66	.15	*	*	1.93	.19	87.31	2.21
Field Peas	204.76	1.96	*	*	1.67	2.04	*	*	5.19	.13
Haricot Beans	186.74	1.79	.13	.03	1.23	1.51	*	*	39.73	1.01
Chick Peas	211.91	2.03	*	*	*	*	3.11	.31	30.66	.78
Lentils	90.21	.86	-	-	*	*	*	*	7.56	.19
Vetch	114.06	1.09	-	-	*	*	*	*	2.14	.05
OILSEEDS	561.41	5.38	*	*	.29	.36	4.12	.41	37.42	.95
Neug	335.66	3.22	-	-	*	*	*	*	10.12	.26
Lin Seed	130.52	1.25	*	*	*	*	3.14	.31	9.04	.23
Rape seed	24.99	.24	-	-	.05	.06	*	*	13.42	.34
Ground Nuts	17.20	.16	*	*	.04	.05	*	*	2.40	.06
Sun Flower	10.63	.10	-	-	*	*	*	*	1.41	.04
Sesame	42.37	.41	-	-	*	*	*	*	*	*
Castor Bean	.03	*	-	-	-	-	-	-	*	*
OTHERS	306.22	2.93	1.52	.35	9.24	11.31	5.90	.59	129.61	3.28
Fenugreek	13.52	.13	-	-	-	-	*	*	1.35	.03
Spices	82.07	.79	*	*	1.51	1.85	4.55	.45	32.67	.83
Potatoes	57.65	.55	-	-	1.91	2.34	*	*	30.99	.78
Other Temporary	152.98	1.47	1.45	.33	5.82	7.12	.69	.07	64.59	1.64
ALL TEMPORARY	9,738.17	93.32	418.76	95.11	59.19	72.46	1,003.85	99.64	3,679.35	93.16
Chat	99.02	.95	-	-	6.98	8.54	2.67	.27	35.30	.89
Coffee	274.43	2.63	21.46	4.87	7.24	8.86	.60	.06	46.10	1.17
Enset	263.89	2.53	-	-	1.39	1.70	*	*	175.38	4.44
Cotton	11.23	.11	-	-	*	*	-	-	1.62	.04
Tobacco	3.99	.04	*	*	*	*	-	-	1.25	.03
Fruits	20.60	.20	.03	.01	2.68	3.28	*	*	3.48	.09
Other Permanent	24.03	.23	*	*	3.93	4.81	*	*	7.08	.18
TOTAL PERMANENT	697.19	6.68	21.51	4.89	22.50	27.54	3.64	.36	270.22	6.84
ALL CROPS	10,435.37	100.00	440.27	100.00	81.69	100.00	1,007.50	100.00	3,949.56	100.00

TABLE 1.2

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY REGION FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

('000 HA)

REGION	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
TIGRAY	637.49	6.11	6.66	1.51	7.08	8.67	7.37	.73	244.88	6.20
AFAR	29.51	.28	.02	-	3.98	4.87	.30	.03	3.16	.08
AMHARA	3,568.81	34.20	112.83	25.63	26.64	32.62	57.67	5.72	1,027.77	26.02
OROMIYA	4,387.09	42.04	228.41	51.88	32.01	39.19	804.13	79.81	1,930.99	48.89
SOMALIE	64.29	.62	.47	.11	1.30	1.59	.04	-	3.57	.09
BENSHANGUL - GUMUZ	179.79	1.72	4.69	1.07	.76	.93	2.41	.24	23.13	.59
S.N.N.P.R.	1,513.01	14.50	82.19	18.67	7.81	9.56	134.27	13.33	693.43	17.56
GAMBELA	23.43	.22	4.14	.94	-	-	.06	.01	3.15	.08
HARARI	10.62	.10	.18	.04	.59	.72	.31	.03	6.54	.17
ADDIS ABABA	12.09	.12	.55	.12	.25	.31	.87	.09	10.25	.26
DIRE DAWA	9.26	.09	.12	.03	1.26	1.54	.07	.01	2.67	.07
TOTAL	10,435.39	100.00	440.26	100.00	81.68	100.00	1,007.50	100.00	3,949.54	100.00

FIG.1 ESTIMATES OF IMPROVED SEED ,IRRIGATION,PESTICIDE AND FERTILIZER APPLIED AREA FOR MAJOR CROPS OF PRIVATE HOLDINGS,NATIONAL ,2000/2001(1993 E.C.)

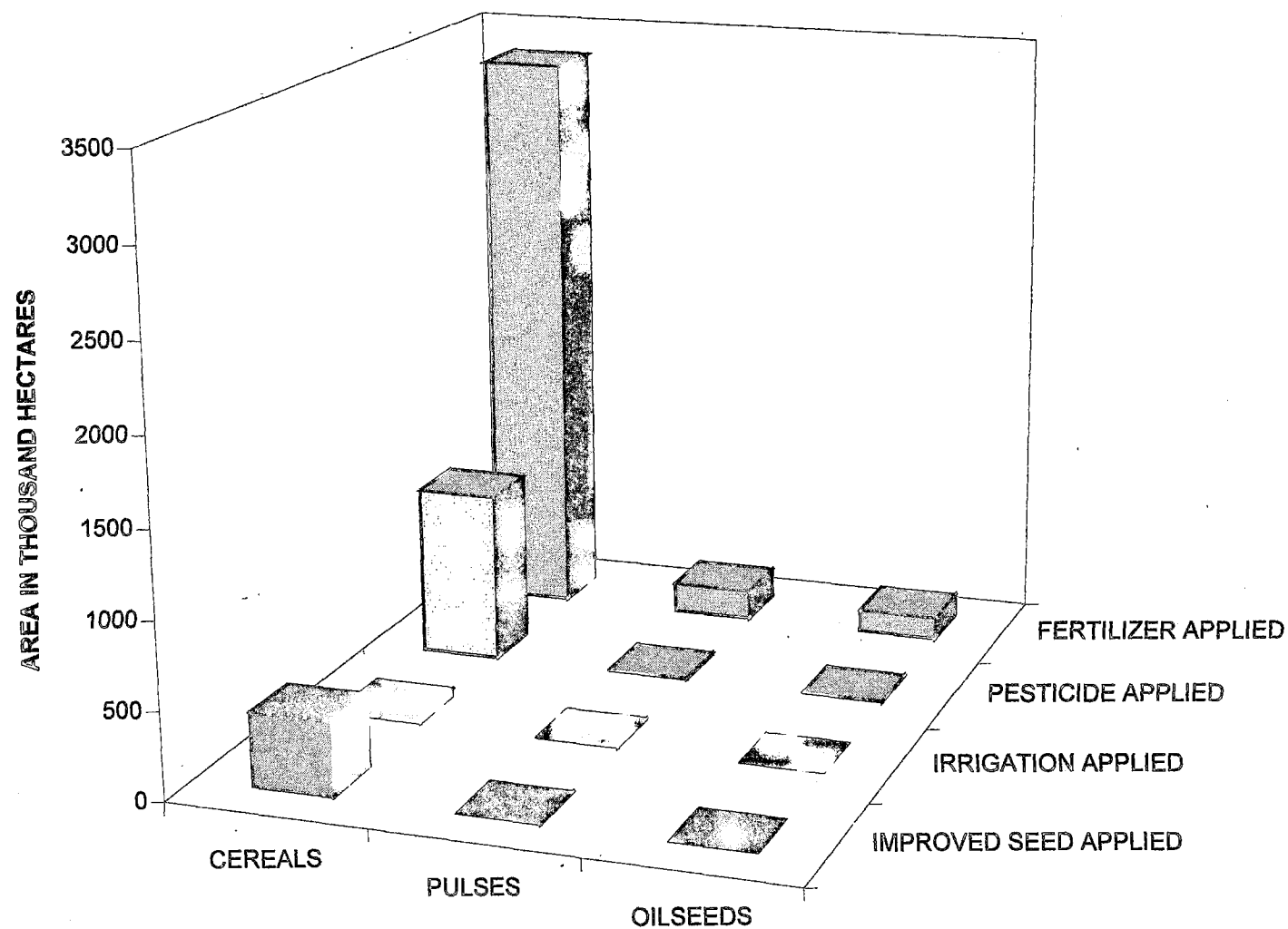


TABLE 1.3

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1995 E.C.)

Tigray

('000 HA)

TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	535.19	88.95	6.64	99.70	5.27	74.44	6.74	91.45	236.72	96.67
Teff	141.01	22.12	.64	9.61	1.82	25.71	4.10	55.63	70.66	28.85
Barely	65.36	10.25	-	-	*	*	.65	8.82	30.19	12.33
Wheat	73.32	11.50	5.45	81.83	1.06	14.97	*	*	34.30	14.01
Maize	55.68	8.73	*	*	.53	7.49	*	*	36.27	14.81
Sorghum	134.36	21.08	-	-	*	*	*	*	39.28	16.04
Millet	65.09	10.21	-	-	-	-	*	*	26.02	10.63
Oats	*	*	-	-	-	-	-	-	-	-
PULSES	60.78	9.53	-	-	1.25	17.66	*	*	5.89	2.41
Horse Beans	18.83	2.95	-	-	*	*	*	*	3.37	1.38
Field Peas	5.49	.86	-	-	*	*	*	*	1.14	.47
Haricot Beans	2.64	.41	-	-	-	-	*	*	*	*
Chick Peas	17.09	2.68	-	-	-	-	-	-	.36	.15
Lentils	6.70	1.05	-	-	*	*	-	-	.36	.15
Vetch	10.03	1.57	-	-	*	*	-	-	.36	.15
OILSEEDS	38.55	6.05	-	-	*	*	*	*	1.63	.67
Neug	12.01	1.88	-	-	-	-	-	-	.31	.13
Lin Seed	11.39	1.79	-	-	*	*	-	-	*	*
Rape seed	*	*	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	*	*	-	-	*	*
Sesame	15.02	2.36	-	-	-	-	*	*	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	1.72	.27	*	*	.22	3.11	-	-	.54	.22
Fenugreek	.18	.03	-	-	-	-	-	-	-	-
Spices	.54	.08	-	-	*	*	-	-	.20	.08
Potatoes	*	*	-	-	*	*	-	-	.11	.04
Other Temporary	.64	.10	*	*	.15	2.12	-	-	.23	.09
ALL TEMPORARY	636.23	99.80	6.65	99.85	6.80	96.05	7.37	100.00	244.78	99.96
Chat	*	*	-	-	-	-	-	-	-	-
Coffee	*	*	-	-	*	*	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	-	-	-	-	-	-	*	*
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	*	*	-	-	-	-
Other Permanent	.92	.14	-	-	.22	3.11	-	-	*	*
TOTAL PERMANENT	1.26	.20	-	-	.28	3.95	-	-	.10	.04
ALL CROPS	637.49	100.00	6.66	100.00	7.08	100.00	7.37	100.00	244.88	100.00

TABLE 1.3.1

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

West Tigray

('000 HA)

TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	170.21	83.79	*	*	*	*	.71	73.20	71.11	98.41
Teff	36.44	17.94	-	-	-	-	*	*	20.95	28.99
Barely	*	*	-	-	-	-	-	-	*	*
Wheat	*	*	-	-	-	-	-	-	-	-
Maize	26.55	13.07	*	*	*	*	*	*	18.59	25.73
Sorghum	60.18	29.63	-	-	-	-	*	*	14.86	20.56
Millet	45.93	22.61	-	-	-	-	*	*	16.70	23.11
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	7.64	3.76	-	-	-	-	-	-	.39	.54
Horse Beans	2.92	1.44	-	-	-	-	-	-	.05	.07
Field Peas	*	*	-	-	-	-	-	-	.28	.39
Haricot Beans	*	*	-	-	-	-	-	-	*	*
Chick Peas	4.38	2.16	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	24.42	12.02	-	-	-	-	*	*	*	*
Neug	7.64	3.76	-	-	-	-	-	-	*	*
Lin Seed	2.32	1.14	-	-	-	-	-	-	-	-
Rape seed	*	*	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	-	-	-	-
Sesame	14.44	7.11	-	-	-	-	*	*	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.45	.22	-	-	-	-	-	-	.12	.17
Fenugreek	-	-	-	-	-	-	-	-	-	-
Spices	.34	.17	-	-	-	-	-	-	.11	.15
Potatoes	-	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	-	-	-	-	-	*	*
ALL TEMPORARY	202.72	99.80	*	*	*	*	.97	100.00	72.23	99.96
Chat	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	*	*	-	-	-	-
Other Permanent	.37	.18	-	-	*	*	-	-	*	*
TOTAL PERMANENT	.41	.20	-	-	*	*	-	-	*	*
ALL CROPS	203.13	100.00	*	*	.05	100.00	.97	100.00	72.26	100.00

TABLE 1.3.2

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Central Tigray

('000 HA)

TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	158.25	86.23	.22	95.65	.62	*	4.03	91.80	96.08	96.28
Teff	52.60	28.66	*	*	*	*	2.51	57.18	36.41	36.49
Barely	12.33	6.72	-	-	*	*	*	*	6.93	6.94
Wheat	16.12	8.78	*	*	*	*	*	*	8.98	9.00
Maize	17.98	9.80	*	*	*	*	*	*	15.00	15.03
Sorghum	42.95	23.40	-	-	*	*	*	*	20.27	20.31
Millet	16.26	8.86	-	-	-	-	-	-	8.49	8.51
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	16.37	8.92	-	-	*	*	*	*	2.69	2.70
Horse Beans	6.88	3.75	-	-	-	-	-	-	1.97	1.97
Field Peas	.36	.20	-	-	*	*	*	*	.29	.29
Haricot Beans	1.40	.76	-	-	-	-	*	*	*	*
Chick Peas	4.26	2.32	-	-	-	-	-	-	*	*
Lentils	1.69	.92	-	-	-	-	-	-	*	*
Vetch	1.77	.96	-	-	-	-	-	-	-	-
OILSEEDS	8.11	4.42	-	-	-	-	-	-	*	*
Neug	4.11	2.24	-	-	-	-	-	-	.23	.23
Lin Seed	3.42	1.86	-	-	-	-	-	-	*	*
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.45	.25	-	-	*	*	-	-	*	*
Fenugreek	*	*	-	-	-	-	-	-	-	-
Spices	.11	.06	-	-	*	*	-	-	.06	.06
Potatoes	*	*	-	-	-	-	-	-	*	*
Other Temporary	*	*	-	-	*	*	-	-	*	*
ALL TEMPORARY	183.18	99.81	.22	95.65	*	*	4.39	100.00	99.76	99.97
Chat	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	-	-	-	-	-	-	*	*
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-
Other Permanent	*	*	-	-	*	*	-	-	*	*
TOTAL PERMANENT	.34	.19	-	-	*	*	-	-	*	*
ALL CROPS	183.52	100.00	.23	100.00	*	*	4.39	100.00	99.79	100.00

TABLE 1.3.3

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

East Tigray

('000 HA)

TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	65.29	77.51	.66	100.00	.11	64.71	.44	100.00	32.26	93.18
Teff	9.72	11.54	-	-	*	*	.35	79.55	2.72	7.86
Barely	26.11	31.00	-	-	*	*	*	*	15.68	45.29
Wheat	23.50	27.90	.65	98.48	*	*	*	*	12.16	35.12
Maize	1.70	2.02	-	-	-	-	-	-	.62	1.79
Sorghum	1.80	2.14	-	-	-	-	-	-	.27	.78
Millet	2.20	2.61	-	-	-	-	-	-	*	*
Oats	*	*	-	-	-	-	-	-	-	-
PULSES	16.09	19.10	-	-	*	*	-	-	2.12	6.12
Horse Beans	2.70	3.21	-	-	-	-	-	-	.96	2.77
Field Peas	1.67	1.98	-	-	-	-	-	-	.45	1.30
Haricot Beans	*	*	-	-	-	-	-	-	-	-
Chick Peas	5.20	6.17	-	-	-	-	-	-	.24	.69
Lentils	1.04	1.23	-	-	*	*	-	-	.15	.43
Vetch	5.43	6.45	-	-	-	-	-	-	.31	.90
OILSEEDS	2.47	2.93	-	-	-	-	-	-	.10	.29
Neug	*	*	-	-	-	-	-	-	*	*
Lin Seed	2.44	2.90	-	-	-	-	-	-	.09	.26
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.21	.25	-	-	*	*	-	-	*	*
Fenugreek	*	*	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-
Potatoes	*	*	-	-	*	*	-	-	*	*
Other Temporary	*	*	-	-	*	*	-	-	*	*
ALL TEMPORARY	84.06	99.80	.66	100.00	.17	100.00	.44	100.00	34.58	99.88
Chat	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-
Other Permanent	*	*	-	-	-	-	-	-	*	*
TOTAL PERMANENT	*	*	-	-	-	-	-	-	*	*
ALL CROPS	84.23	100.00	.66	100.00	.17	100.00	.44	100.00	34.62	100.00

TABLE 1.3.4

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1995 E.C.)

South Tigray

('000 HA)

TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	141.43	84.89	5.32	99.81	4.52	76.87	*	*	37.27	97.51
Teff	42.25	25.36	*	*	1.59	27.04	*	*	10.59	27.71
Barely	25.82	15.50	-	-	*	*	*	*	7.57	19.81
Wheat	33.68	20.21	4.73	88.74	*	*	*	*	13.16	34.43
Maize	9.45	5.67	*	*	.41	6.97	*	*	2.06	5.39
Sorghum	29.42	17.66	*	*	*	*	*	*	*	*
Millet	*	*	-	-	-	-	*	*	*	*
Oats	*	*	-	-	-	-	-	-	-	-
PULSES	20.68	12.41	-	-	*	*	*	*	.70	1.83
Horse Beans	6.32	3.79	-	-	*	*	*	*	.39	1.02
Field Peas	3.28	1.97	-	-	*	*	-	-	*	*
Haricot Beans	*	*	-	-	-	-	-	-	*	*
Chick Peas	3.24	1.94	-	-	-	-	-	-	*	*
Lentils	3.95	2.37	-	-	*	*	-	-	*	*
Vetch	2.84	1.70	-	-	*	*	-	-	*	*
OILSEEDS	3.55	2.13	-	-	*	*	-	-	.14	.37
Neug	*	*	-	-	-	-	-	-	-	-
Lin Seed	3.21	1.93	-	-	*	*	-	-	*	*
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	*	*	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.60	.36	*	*	.12	2.04	-	-	*	*
Fenugreek	*	*	-	-	-	-	-	-	-	-
Spices	*	*	-	-	*	*	-	-	*	*
Potatoes	*	*	-	-	-	-	-	-	*	*
Other Temporary	.21	.13	*	*	.08	1.36	-	-	.04	.10
ALL TEMPORARY	166.26	99.79	5.33	100.00	5.69	96.77	*	*	38.22	100.00
Chat	*	*	-	-	-	-	-	-	-	-
Coffee	*	*	-	-	*	*	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	*	*	-	-	-	-
Other Permanent	.15	.09	-	-	.13	2.21	-	-	-	-
TOTAL PERMANENT	.34	.20	-	-	.19	3.23	-	-	-	-
ALL CROPS	166.61	100.00	5.33	100.00	5.88	100.00	*	*	38.22	100.00

TABLE 1.4

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Afar

('000 HA)

TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	26.85	90.99	*	*	3.90	97.99	*	*	2.95	93.35
Teff	8.26	27.99	-	-	*	*	*	*	2.14	67.72
Barely	*	*	-	-	-	-	-	-	*	*
Wheat	*	*	-	-	-	-	*	*	-	-
Maize	6.75	22.87	*	*	3.74	93.97	*	*	.25	7.91
Sorghum	11.25	38.12	-	-	*	*	*	*	.53	16.77
Millet	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	1.54	5.22	-	-	-	-	*	*	.02	.63
Horse Beans	-	-	-	-	-	-	-	-	-	-
Field Peas	*	*	-	-	-	-	*	*	*	*
Haricot Beans	*	*	-	-	-	-	-	-	*	*
Chick Peas	1.17	3.96	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.87	2.95	-	-	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	*	*	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	.49	1.66	-	-	-	-	*	*	*	*
Sesame	.36	1.22	-	-	*	*	-	-	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.13	.44	-	-	*	*	-	-	-	-
Fenugreek	*	*	-	-	-	-	-	-	-	-
Spices	.09	.30	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-
Other Temporary	.04	.14	-	-	*	*	-	-	-	-
ALL TEMPORARY	29.39	99.59	*	*	3.94	98.99	.30	100.00	3.16	100.00
Chat	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	*	*	-	-	-	-
Other Permanent	*	*	-	-	*	*	-	-	-	-
TOTAL PERMANENT	.12	.41	-	-	*	*	-	-	-	-
ALL CROPS	29.51	100.00	*	*	3.98	100.00	.30	100.00	3.16	100.00

TABLE 1.4.1

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001 (1993 E.C.)

Zone 1

('000 HA)

TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	3.80	99.74	-	-	3.78	99.74	-	-	-	-
Teff	*	*	-	-	*	*	-	-	-	-
Barely	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-
Maize	3.65	95.80	-	-	3.63	95.78	-	-	-	-
Sorghum	*	*	-	-	*	*	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	-	-	*	*	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	-	-	*	*	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-
Other Temporary	-	-	-	-	-	-	-	-	-	-
ALL TEMPORARY	3.81	100.00	-	-	3.79	100.00	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-	-	-
ALL CROPS	3.81	100.00	-	-	3.79	100.00	-	-	-	-

TABLE 1.4.2

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001 (1993 E.C.)

Zone 3

('000 HA)

TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	23.05	89.69	-	-	.12	63.16	*	*	2.95	93.35
Teff	8.25	32.10	-	-	-	-	*	*	2.14	67.72
Barely	*	*	-	-	-	-	-	-	*	*
Wheat	*	*	-	-	-	-	*	*	-	-
Maize	3.10	12.06	-	-	.11	57.89	*	*	.25	7.91
Sorghum	11.11	43.23	-	-	*	*	*	*	.53	16.77
Millet	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	1.54	5.99	-	-	-	-	*	*	.02	.63
Horse Beans	-	-	-	-	-	-	-	-	-	-
Field Peas	*	*	-	-	-	-	*	*	*	*
Haricot Beans	*	*	-	-	-	-	-	-	*	*
Chick Peas	1.17	4.55	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.86	3.35	-	-	-	-	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	*	*	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	.49	1.91	-	-	-	-	*	*	*	*
Sesame	.36	1.40	-	-	-	-	-	-	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.13	.51	-	-	*	*	-	-	-	-
Fenugreek	*	*	-	-	-	-	-	-	-	-
Spices	.08	.31	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-
Other Temporary	.04	.16	-	-	*	*	-	-	-	-
ALL TEMPORARY	25.58	99.53	-	-	.15	78.95	.30	100.00	3.16	100.00
Chat	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	*	*	-	-	-	-
Other Permanent	.01	.04	-	-	*	*	-	-	-	-
TOTAL PERMANENT	.12	.47	-	-	*	*	-	-	-	-
ALL CROPS	25.70	100.00	-	-	.19	100.00	.30	100.00	3.16	100.00

TABLE 1.5

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1995 E.C.)

Anihara

('000 HA)

TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	2,644.91	74.11	111.62	98.93	16.40	61.56	56.35	97.71	956.04	93.02
Teff	949.35	26.60	3.70	3.28	1.90	7.13	27.12	47.03	432.32	42.06
Barely	287.87	8.07	.23	.20	3.23	12.12	1.99	3.45	44.58	4.34
Wheat	308.30	8.64	8.26	7.32	*	*	9.95	17.25	135.38	13.17
Maize	377.76	10.59	98.86	87.62	4.78	17.94	6.07	10.53	236.49	23.01
Sorghum	520.87	14.60	*	*	*	*	*	*	13.85	1.35
Millet	187.85	5.26	-	-	*	*	*	*	93.03	9.05
Oats	12.91	.36	-	-	-	-	-	-	.39	.04
PULSES	560.09	15.69	*	*	1.32	4.95	.64	1.11	29.93	2.91
Horse Beans	182.60	5.12	*	*	*	*	*	*	17.33	1.69
Field Peas	90.24	2.53	-	-	*	*	*	*	1.40	.14
Haricot Beans	43.28	1.21	*	*	*	*	*	*	.77	.07
Chick Peas	121.14	3.39	*	*	*	*	*	*	5.52	.54
Lentils	56.27	1.58	-	-	-	-	*	*	*	*
Vetch	66.57	1.87	-	-	*	*	-	-	.93	.09
OILSEEDS	246.95	6.92	-	-	*	*	*	*	14.67	1.43
Neug	186.02	5.21	-	-	*	*	-	-	7.43	.72
Lin Seed	30.47	.85	-	-	-	-	-	-	.99	.10
Rape seed	7.98	.22	-	-	*	*	*	*	5.01	.49
Ground Nuts	*	*	-	-	-	-	-	-	-	-
Sun Flower	9.18	.26	-	-	*	*	*	*	.95	.09
Sesame	13.23	.37	-	-	-	-	*	*	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	86.31	2.42	*	*	3.43	12.88	*	*	21.62	2.10
Fenugreek	7.42	.21	-	-	-	-	-	-	.26	.03
Spices	30.20	.85	*	*	1.36	5.11	*	*	9.44	.92
Potatoes	22.89	.64	-	-	1.26	4.73	-	-	7.22	.70
Other Temporary	25.81	.72	*	*	.80	3.00	*	*	4.71	.46
ALL TEMPORARY	3,538.27	99.14	112.50	99.71	21.25	79.77	57.59	99.86	1,022.26	99.46
Chat	2.00	.06	-	-	*	*	*	*	.91	.09
Coffee	*	*	*	*	2.51	9.42	-	-	1.08	.11
Enset	.01	*	-	-	-	-	-	-	-	-
Cotton	*	*	-	-	*	*	-	-	*	*
Tobacco	.43	.01	-	-	*	*	-	-	*	*
Fruits	1.17	.03	-	-	.60	2.25	-	-	.17	.02
Other Permanent	8.31	.23	*	*	1.86	6.98	*	*	2.49	.24
TOTAL PERMANENT	30.54	.86	*	*	5.39	20.23	*	*	5.51	.54
ALL CROPS	3,568.81	100.00	112.83	100.00	26.64	100.00	57.67	100.00	1,027.77	100.00

TABLE 1.5.1

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

North Gender

('000 HA)

TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	427.99	73.29	6.33	90.43	*	*	*	*	90.86	92.42
Teff	116.92	20.02	*	*	-	-	*	*	44.98	45.75
Barely	37.68	6.45	-	-	-	-	*	*	5.44	5.53
Wheat	24.65	4.22	-	-	-	-	*	*	*	*
Maize	44.77	7.67	5.22	74.57	*	*	*	*	24.36	24.78
Sorghum	154.61	26.48	-	-	-	-	*	*	*	*
Millet	48.40	8.29	-	-	-	-	-	-	11.30	11.49
Oats	.95	.16	-	-	-	-	-	-	*	*
PULSES	73.16	12.53	-	-	*	*	*	*	1.79	1.82
Horse Beans	26.13	4.47	-	-	*	*	-	-	1.52	1.55
Field Peas	12.23	2.09	-	-	*	*	*	*	*	*
Haricot Beans	*	*	-	-	-	-	-	-	-	-
Chick Peas	26.00	4.45	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	-	-	-	-	-	-
Vetch	*	*	-	-	-	-	-	-	*	*
OILSEEDS	59.49	10.19	-	-	-	-	-	-	.98	1.00
Neug	45.94	7.87	-	-	-	-	-	-	*	*
Lin Seed	5.71	.98	-	-	-	-	-	-	*	*
Rape seed	*	*	-	-	-	-	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	1.58	.27	-	-	-	-	-	-	*	*
Sesame	*	*	-	-	-	-	-	-	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	15.99	2.74	*	*	.21	21.43	-	-	4.16	4.23
Fenugreek	*	*	-	-	-	-	-	-	-	-
Spices	*	*	*	*	*	*	-	-	*	*
Potatoes	2.48	.42	-	-	*	*	-	-	1.42	1.44
Other Temporary	2.18	.37	*	*	*	*	-	-	*	*
ALL TEMPORARY	576.62	98.75	7.00	100.00	.96	97.96	*	*	97.79	99.47
Chat	-	-	-	-	-	-	-	-	-	-
Coffee	*	*	-	-	*	*	-	-	.06	.06
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	-	-	-	-	-	-	*	*
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	-	-	-	-	-	-
Other Permanent	.73	.13	-	-	-	-	-	-	.17	.17
TOTAL PERMANENT	*	*	-	-	*	*	-	-	*	*
ALL CROPS	583.93	100.00	7.00	100.00	.96	100.00	*	*	98.31	100.00

TABLE 1.5.2

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

South Gonder

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	323.93	69.52	*	*	*	*	6.64	100.00	88.74	94.44
Teff	117.91	25.30	*	*	*	*	4.93	74.25	49.77	52.97
Barely	54.79	11.76	-	-	-	-	*	*	2.82	3.00
Wheat	35.86	7.70	-	-	-	-	*	*	6.84	7.28
Maize	40.58	8.71	*	*	*	*	*	*	16.69	17.76
Sorghum	32.01	6.87	-	-	-	-	*	*	*	*
Millet	42.61	9.14	-	-	-	-	-	-	12.46	13.26
Oats	*	*	-	-	-	-	-	-	-	-
PULSES	82.22	17.64	-	-	-	-	-	-	.99	1.05
Horse Beans	26.21	5.62	-	-	-	-	-	-	.76	.81
Field Peas	10.62	2.28	-	-	-	-	-	-	-	-
Haricot Beans	*	*	-	-	-	-	-	-	*	*
Chick Peas	24.49	5.26	-	-	-	-	-	-	-	-
Lentils	5.57	1.20	-	-	-	-	-	-	-	-
Vetch	8.08	1.73	-	-	-	-	-	-	-	-
OILSEEDS	35.76	7.67	-	-	-	-	-	-	1.04	1.11
Neug	27.54	5.91	-	-	-	-	-	-	*	*
Lin Seed	5.72	1.23	-	-	-	-	-	-	-	-
Rape seed	1.24	.27	-	-	-	-	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	1.27	.27	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	22.21	4.77	*	*	*	*	-	-	2.75	2.93
Fenugreek	*	*	-	-	-	-	-	-	-	-
Spices	2.97	.64	*	*	*	*	-	-	*	*
Potatoes	*	*	-	-	*	*	-	-	*	*
Other Temporary	6.90	1.48	-	-	*	*	-	-	.49	.52
ALL TEMPORARY	464.12	99.60	*	*	.41	56.94	6.64	100.00	93.52	99.53
Chat	*	*	-	-	*	*	-	-	*	*
Coffee	*	*	*	*	*	*	-	-	*	*
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	*	*	-	-	-	-
Other Permanent	1.39	.30	-	-	*	*	-	-	*	*
TOTAL PERMANENT	1.84	.39	*	*	*	*	-	-	*	*
ALL CROPS	465.97	100.00	*	*	.72	100.00	6.64	100.00	93.96	100.00

TABLE 1.5.3

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

North Wolo

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	175.78	74.75	.58	100.00	*	*	*	*	13.07	85.70
Teff	52.49	22.32	*	*	*	*	*	*	2.35	15.41
Barely	33.95	14.44	-	-	-	-	-	-	3.65	23.95
Wheat	33.77	14.36	*	*	-	-	-	-	5.84	38.30
Maize	8.08	3.44	-	-	*	*	-	-	*	*
Sorghum	44.78	19.04	*	*	*	*	*	*	*	*
Millet	.77	.33	-	-	*	*	-	-	*	*
Oats	1.94	.82	-	-	-	-	-	-	*	*
PULSES	51.27	21.80	-	-	*	*	*	*	1.58	10.36
Horse Beans	14.45	6.14	-	-	-	-	-	-	1.35	8.85
Field Peas	11.07	4.71	-	-	*	*	-	-	*	*
Haricot Beans	.20	.09	-	-	-	-	-	-	-	-
Chick Peas	8.81	3.75	-	-	-	-	*	*	*	*
Lentils	11.79	5.01	-	-	-	-	*	*	-	-
Vetch	4.94	2.10	-	-	-	-	-	-	*	*
OILSEEDS	3.95	1.68	-	-	-	-	-	-	*	*
Neug	*	*	-	-	-	-	-	-	-	-
Lin Seed	2.59	1.10	-	-	-	-	-	-	-	-
Rape seed	*	*	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	-	-	*	*
Sesame	*	*	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	3.16	1.34	-	-	.09	*	-	-	.46	3.02
Fenugreek	1.35	.57	-	-	-	-	-	-	*	*
Spices	.37	.16	-	-	*	*	-	-	*	*
Potatoes	.42	.18	-	-	-	-	-	-	.16	1.05
Other Temporary	1.02	.43	-	-	*	*	-	-	.24	1.57
ALL TEMPORARY	234.16	99.57	.58	100.00	*	*	.35	100.00	15.13	99.21
Chat	*	*	-	-	-	-	-	-	-	-
Coffee	*	*	-	-	*	*	-	-	*	*
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	*	*	-	-	*	*
Other Permanent	.52	.22	-	-	.17	*	-	-	*	*
TOTAL PERMANENT	1.01	.43	-	-	.27	*	-	-	*	*
ALL CROPS	235.17	100.00	.58	100.00	*	*	.35	100.00	15.25	100.00

TABLE 1.5.4

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

South Wolo

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	263.63	72.39	2.15	100.00	*	*	*	*	41.20	90.61
Teff	74.52	20.46	*	*	*	*	-	-	15.98	35.14
Barely	25.13	6.90	-	-	-	-	*	*	*	*
Wheat	44.72	12.28	1.90	88.37	-	-	-	-	11.94	26.26
Maize	16.17	4.44	-	-	*	*	*	*	3.41	7.50
Sorghum	90.58	24.87	-	-	*	*	*	*	7.96	17.51
Millet	*	*	-	-	-	-	-	-	*	*
Oats	8.58	2.36	-	-	-	-	-	-	*	*
PULSES	86.81	23.84	-	-	*	*	*	*	2.44	5.37
Horse Beans	31.17	8.56	-	-	-	-	-	-	1.46	3.21
Field Peas	15.53	4.26	-	-	*	*	-	-	*	*
Haricot Beans	5.78	1.59	-	-	*	*	-	-	*	*
Chick Peas	10.17	2.79	-	-	-	-	-	-	*	*
Lentils	9.81	2.69	-	-	-	-	*	*	*	*
Vetch	14.35	3.94	-	-	-	-	-	-	*	*
OILSEEDS	5.91	1.62	-	-	-	-	-	-	*	*
Neug	2.71	.74	-	-	-	-	-	-	*	*
Lin Seed	1.92	.53	-	-	-	-	-	-	*	*
Rape seed	*	*	-	-	-	-	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	-	-	*	*
Sesame	*	*	-	-	-	-	-	-	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	5.50	1.51	-	-	.06	*	*	*	.64	1.41
Fenugreek	*	*	-	-	-	-	-	-	-	-
Spices	1.29	.35	-	-	-	-	-	-	.35	.77
Potatoes	.31	.09	-	-	*	*	-	-	*	*
Other Temporary	1.54	.42	-	-	*	*	*	*	.22	.48
ALL TEMPORARY	361.85	99.36	2.15	100.00	*	*	.36	97.30	44.81	98.55
Chat	*	*	-	-	*	*	*	*	*	*
Coffee	*	*	-	-	*	*	-	-	*	*
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	-	-	*	*	-	-	*	*
Fruits	*	*	-	-	*	*	-	-	*	*
Other Permanent	.46	.13	-	-	.09	*	-	-	.06	.13
TOTAL PERMANENT	2.34	.64	-	-	.32	*	*	*	.66	1.45
ALL CROPS	364.19	100.00	2.15	100.00	*	*	.37	100.00	45.47	100.00

TABLE 1.5.5

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

North Shewa

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	356.73	76.93	*	*	*	*	22.98	97.29	108.55	90.33
Teff	154.08	33.23	*	*	-	-	8.33	35.27	46.18	38.43
Barely	38.95	8.40	*	*	*	*	1.68	7.11	7.08	5.89
Wheat	75.19	16.22	*	*	*	*	7.18	30.40	49.37	41.08
Maize	11.54	2.49	-	-	*	*	*	*	3.31	2.75
Sorghum	76.67	16.53	*	*	*	*	*	*	2.63	2.19
Millet	*	*	-	-	-	-	-	-	-	-
Oats	*	*	-	-	-	-	-	-	-	-
PULSES	89.24	19.25	-	-	*	*	*	*	9.54	7.94
Horse Beans	29.51	6.36	-	-	*	*	*	*	4.11	3.42
Field Peas	7.31	1.58	-	-	-	-	-	-	.73	.61
Haricot Beans	2.30	.50	-	-	*	*	-	-	.15	.12
Chick Peas	22.34	4.82	-	-	*	*	*	*	.39	.32
Lentils	20.65	4.45	-	-	-	-	*	*	*	*
Vetch	7.13	1.54	-	-	-	-	-	-	*	*
OILSEEDS	10.57	2.28	-	-	-	-	*	*	.81	.67
Neug	1.02	.22	-	-	-	-	-	-	*	*
Lin Seed	2.86	.62	-	-	-	-	-	-	*	*
Rape seed	*	*	-	-	-	-	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	3.73	.80	-	-	-	-	*	*	.55	.46
Sesame	*	*	-	-	-	-	*	*	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	3.96	.85	*	*	.30	*	-	-	.95	.79
Fenugreek	.82	.18	-	-	-	-	-	-	*	*
Spices	.87	.19	-	-	.09	*	-	-	*	*
Potatoes	*	*	-	-	-	-	-	-	*	*
Other Temporary	1.94	.42	*	*	.20	*	-	-	*	*
ALL TEMPORARY	460.50	99.31	*	*	*	*	23.61	99.96	119.86	99.74
Chat	.02	*	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	*	*	-	-	*	*
Enset	.01	*	-	-	-	-	-	-	-	-
Cotton	*	*	-	-	-	-	-	-	-	-
Tobacco	*	*	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	*	*	-	-	*	*
Other Permanent	1.46	.31	-	-	*	*	*	*	.08	.07
TOTAL PERMANENT	3.19	.69	*	*	*	*	*	*	*	*
ALL CROPS	463.69	100.00	*	*	*	*	23.62	100.00	120.17	100.00

TABLE 1.5.6

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001 (1993 E.C.)

East Gojam

('000 HA)

TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	401.34	76.14	20.38	99.46	1.16	42.49	12.85	98.62	254.34	95.97
Teff	197.12	37.40	*	*	*	*	10.71	82.19	159.91	60.34
Barely	49.82	9.45	-	-	*	*	-	-	9.01	3.40
Wheat	73.44	13.93	5.18	25.28	-	-	2.07	15.89	51.87	19.57
Maize	54.60	10.36	14.37	70.13	*	*	*	*	33.49	12.64
Sorghum	25.83	4.90	-	-	-	-	-	-	-	-
Millet	*	*	-	-	-	-	-	-	*	*
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	93.21	17.68	*	*	*	*	*	*	5.93	2.24
Horse Beans	26.11	4.95	-	-	*	*	*	*	4.17	1.57
Field Peas	11.78	2.23	-	-	-	-	-	-	*	*
Haricot Beans	*	*	-	-	-	-	-	-	*	*
Chick Peas	18.42	3.49	*	*	*	*	-	-	*	*
Lentils	*	*	-	-	-	-	-	-	*	*
Vetch	23.33	4.43	-	-	*	*	-	-	*	*
OILSEEDS	21.53	4.08	-	-	-	-	-	-	*	*
Neug	15.75	2.99	-	-	-	-	-	-	*	*
Lin Seed	4.09	.78	-	-	-	-	-	-	*	*
Rape seed	1.61	.31	-	-	-	-	-	-	.59	.22
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	-	-	*	*
Sesame	*	*	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	8.99	1.71	-	-	*	*	*	*	1.92	.72
Fenugreek	.51	.10	-	-	-	-	-	-	*	*
Spices	2.95	.56	-	-	*	*	*	*	*	*
Potatoes	*	*	-	-	*	*	-	-	*	*
Other Temporary	2.59	.49	-	-	*	*	-	-	.39	.15
ALL TEMPORARY	525.08	99.62	20.44	99.76	2.13	78.02	13.03	100.00	264.06	99.64
Chat	-	-	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	*	*	-	-	*	*
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	-	-	-	-	-	-	*	*
Tobacco	*	*	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	*	*	-	-	*	*
Other Permanent	1.45	.28	-	-	*	*	-	-	.67	.25
TOTAL PERMANENT	2.02	.38	*	*	*	*	-	-	.95	.36
ALL CROPS	527.10	100.00	20.49	100.00	2.73	100.00	13.03	100.00	265.01	100.00

TABLE 1.5.7

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

West Gojam

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	361.77	71.51	65.14	99.74	2.17	40.26	7.79	99.36	251.63	92.06
Teff	121.75	24.07	*	*	*	*	1.94	24.74	75.66	27.68
Barely	18.34	3.63	-	-	*	*	-	-	6.80	2.49
Wheat	8.53	1.69	*	*	-	-	*	*	4.20	1.54
Maize	146.47	28.95	63.91	97.86	*	*	.69	8.80	120.44	44.06
Sorghum	*	*	-	-	-	-	-	-	*	*
Millet	53.56	10.59	-	-	*	*	*	*	44.29	16.20
Oats	*	*	-	-	-	-	-	-	*	*
PULSES	55.72	11.01	*	*	*	*	-	-	5.22	1.91
Horse Beans	18.29	3.62	*	*	-	-	-	-	3.26	1.19
Field Peas	15.70	3.10	-	-	-	-	-	-	-	-
Haricot Beans	9.28	1.83	-	-	-	-	-	-	*	*
Chick Peas	8.76	1.73	*	*	-	-	-	-	*	*
Lentils	*	*	-	-	-	-	-	-	-	-
Vetch	3.63	.72	-	-	-	-	-	-	-	-
OILSEEDS	59.48	11.76	-	-	*	*	*	*	7.11	2.60
Neug	52.15	10.31	-	-	*	*	-	-	4.30	1.57
Lin Seed	4.53	.90	-	-	-	-	-	-	*	*
Rape seed	2.53	.50	-	-	*	*	*	*	2.18	.80
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	19.09	3.77	*	*	1.69	31.35	*	*	8.02	2.93
Fenugreek	*	*	-	-	-	-	-	-	*	*
Spices	10.81	2.14	*	*	.99	18.37	*	*	4.79	1.75
Potatoes	2.38	.47	-	-	.45	8.35	-	-	1.95	.71
Other Temporary	5.87	1.16	-	-	*	*	-	-	1.27	.46
ALL TEMPORARY	496.07	98.06	65.25	99.91	3.94	73.10	7.84	100.00	271.98	99.50
Chat	*	*	-	-	*	*	-	-	*	*
Coffee	*	*	.06	.09	*	*	-	-	.05	.02
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	-	-	*	*	-	-	*	*
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	-	-	-	-	-	-
Other Permanent	1.92	.38	-	-	.34	6.31	-	-	1.02	.37
TOTAL PERMANENT	*	*	.06	.09	*	*	-	-	1.36	.50
ALL CROPS	505.90	100.00	65.31	100.00	5.39	100.00	7.84	100.00	273.34	100.00

TABLE 1.5.8

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Waghamara

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	68.80	74.36	.23	100.00	*	*	*	*	.87	85.29
Teff	20.64	22.31	-	-	*	*	*	*	*	*
Barely	12.98	14.03	*	*	-	-	-	-	*	*
Wheat	7.72	8.34	*	*	-	-	-	-	-	-
Maize	1.53	1.65	-	-	-	-	*	*	.28	27.45
Sorghum	25.73	27.81	-	-	-	-	-	-	*	*
Millet	.20	.22	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	18.91	20.44	-	-	*	*	*	*	*	*
Horse Beans	7.78	8.41	-	-	-	-	*	*	*	*
Field Peas	2.92	3.16	-	-	*	*	-	-	*	*
Haricot Beans	3.71	4.01	-	-	-	-	*	*	-	-
Chick Peas	.89	.96	-	-	-	-	-	-	-	-
Lentils	3.60	3.89	-	-	-	-	-	-	-	-
Vetch	*	*	-	-	-	-	-	-	-	-
OILSEEDS	4.48	4.84	-	-	*	*	*	*	*	*
Neug	.57	.62	-	-	-	-	-	-	*	*
Lin Seed	1.42	1.53	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	.97	1.05	-	-	*	*	*	*	*	*
Sesame	*	*	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.05	.05	-	-	-	-	-	-	*	*
Fenugreek	.02	.02	-	-	-	-	-	-	-	-
Spices	*	*	-	-	-	-	-	-	*	*
Potatoes	*	*	-	-	-	-	-	-	-	-
Other Temporary	*	*	-	-	-	-	-	-	*	*
ALL TEMPORARY	92.24	99.70	.23	100.00	*	*	*	*	1.02	100.00
Chat	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	-	-	-	-	-	-	-	-
ALL CROPS	92.52	100.00	.23	100.00	*	*	*	*	1.02	100.00

TABLE 1.5.9

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001 (1993 E.C.)

Agawia

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	198.08	77.41	12.81	99.61	*	*	.11	100.00	103.58	93.32
Teff	82.61	32.28	-	-	*	*	-	-	36.75	33.11
Barely	15.65	6.12	-	-	*	*	-	-	7.78	7.01
Wheat	3.96	1.55	*	*	-	-	-	-	*	*
Maize	39.07	15.27	12.80	99.53	.27	9.61	-	-	32.81	29.56
Sorghum	*	*	-	-	-	-	-	-	*	*
Millet	37.46	14.64	-	-	-	-	.11	100.00	24.68	22.24
Oats	*	*	-	-	-	-	-	-	-	-
PULSES	6.84	2.67	-	-	-	-	-	-	*	*
Horse Beans	2.47	.97	-	-	-	-	-	-	.57	.51
Field Peas	2.81	1.10	-	-	-	-	-	-	*	*
Haricot Beans	-	-	-	-	-	-	-	-	-	-
Chick Peas	.78	.30	-	-	-	-	-	-	*	*
Lentils	*	*	-	-	-	-	-	-	-	-
Vetch	*	*	-	-	-	-	-	-	-	-
OILSEEDS	43.56	17.02	-	-	-	-	-	-	2.27	2.05
Neug	39.69	15.51	-	-	-	-	-	-	1.41	1.27
Lin Seed	*	*	-	-	-	-	-	-	*	*
Rape seed	1.06	.41	-	-	-	-	-	-	.70	.63
Ground Nuts	*	*	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	6.76	2.64	-	-	*	*	-	-	2.57	2.32
Fenugreek	*	*	-	-	-	-	-	-	*	*
Spices	.50	.20	-	-	*	*	-	-	.25	.23
Potatoes	2.50	.98	-	-	*	*	-	-	1.89	1.70
Other Temporary	3.61	1.41	-	-	*	*	-	-	.41	.37
ALL TEMPORARY	255.23	99.75	12.81	99.61	*	*	.11	100.00	110.62	99.67
Chat	*	*	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	*	*	-	-	*	*
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	*	*	-	-	*	*
Other Permanent	.34	.13	-	-	*	*	-	-	.19	.17
TOTAL PERMANENT	.65	.25	*	*	*	*	-	-	.36	.32
ALL CROPS	255.88	100.00	12.86	100.00	2.81	100.00	.11	100.00	110.99	100.00

TABLE 1.5.10

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Oromia

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	66.87	89.79	*	*	*	*	.69	93.24	3.20	75.29
Teff	11.30	15.17	-	-	-	-	*	*	.53	12.47
Barely	.58	.78	-	-	-	-	-	-	*	*
Wheat	*	*	-	-	-	-	-	-	*	*
Maize	14.94	20.06	*	*	*	*	*	*	1.02	24.00
Sorghum	39.05	52.44	*	*	*	*	*	*	1.42	33.41
Millet	*	*	-	-	*	*	-	-	*	*
Oats	*	*	-	-	-	-	-	-	*	*
PULSES	2.72	3.65	*	*	-	-	-	-	.13	3.06
Horse Beans	*	*	-	-	-	-	-	-	*	*
Field Peas	*	*	-	-	-	-	-	-	-	-
Haricot Beans	1.15	1.54	*	*	-	-	-	-	.02	.47
Chick Peas	*	*	-	-	-	-	-	-	*	*
Lentils	.34	.46	-	-	-	-	-	-	*	*
Vetch	*	*	-	-	-	-	-	-	-	-
OILSEEDS	2.21	2.97	-	-	-	-	-	-	*	*
Neug	.10	.13	-	-	-	-	-	-	-	-
Lin Seed	.12	.16	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	-	-	-	-
Sesame	1.74	2.34	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.60	.81	-	-	*	*	-	-	.12	2.82
Fenugreek	.01	.01	-	-	-	-	-	-	*	*
Spices	.45	.60	-	-	*	*	-	-	.05	1.18
Potatoes	-	-	-	-	-	-	-	-	-	-
Other Temporary	.14	.19	-	-	-	-	-	-	.07	1.65
ALL TEMPORARY	72.39	97.21	*	*	*	*	.69	93.24	3.46	81.41
Chat	1.27	1.71	-	-	*	*	*	*	*	*
Coffee	*	*	-	-	.03	*	-	-	*	*
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	-	-	-	-	-	-	-	-
Tobacco	*	*	-	-	-	-	-	-	*	*
Fruits	.07	.09	-	-	*	*	-	-	*	*
Other Permanent	.04	.05	-	-	*	*	-	-	*	*
TOTAL PERMANENT	2.08	2.79	-	-	*	*	*	*	*	*
ALL CROPS	74.47	100.00	*	*	*	*	.74	100.00	4.25	100.00

TABLE 1.6

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Oromia

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	3,300.17	75.22	213.97	93.68	15.11	47.20	792.58	98.56	1,719.42	89.04
Teff	887.25	20.22	6.16	2.70	1.58	4.94	359.64	44.72	549.03	28.43
Barely	397.64	9.06	*	*	.19	.59	77.12	9.59	208.36	10.79
Wheat	642.70	14.65	31.19	13.66	*	*	319.14	39.69	488.92	25.32
Maize	871.25	19.86	175.97	77.04	7.57	23.65	15.14	1.88	383.65	19.87
Sorghum	410.39	9.35	*	*	*	*	16.69	2.08	57.25	2.96
Millet	63.53	1.45	-	-	-	-	1.68	.21	20.12	1.04
Oats	27.41	.62	-	-	-	-	3.17	.39	12.08	.63
PULSES	440.88	10.05	1.32	.58	*	*	5.78	.72	84.04	4.35
Horse Beans	171.50	3.91	*	*	*	*	1.28	.16	48.83	2.53
Field Peas	66.23	1.51	*	*	-	-	*	*	1.54	.08
Haricot Beans	77.15	1.76	*	*	*	*	*	*	14.69	.76
Chick Peas	64.39	1.47	*	*	*	*	2.57	.32	15.49	.80
Lentils	26.24	.60	-	-	*	*	*	*	2.87	.15
Vetch	35.37	.81	-	-	-	-	*	*	.61	.03
OILSEEDS	228.98	5.22	*	*	.04	.12	3.12	.39	18.53	.96
Neug	111.14	2.53	-	-	-	-	*	*	2.01	.10
Lin Seed	86.71	1.98	*	*	-	-	3.06	.38	7.16	.37
Rape seed	14.72	.34	-	-	*	*	*	*	7.03	.36
Ground Nuts	*	*	-	-	*	*	-	-	2.04	.11
Sun Flower	.39	.01	-	-	-	-	-	-	.15	.01
Sesame	3.77	.09	-	-	-	-	-	-	*	*
Castor Bean	*	*	-	-	-	-	-	-	*	*
OTHERS	103.70	2.36	*	*	4.90	15.31	.99	.12	43.11	2.23
Fenugreek	5.51	.13	-	-	-	-	-	-	.91	.05
Spices	23.94	.55	-	-	.09	.28	*	*	6.39	.33
Potatoes	21.69	.49	-	-	*	*	*	*	15.27	.79
Other Temporary	52.56	1.20	*	*	4.23	13.21	*	*	20.53	1.06
ALL TEMPORARY	4,073.73	92.86	216.01	94.57	20.94	65.42	802.47	99.79	1,865.10	96.59
Chat	68.12	1.55	-	-	6.12	19.12	.80	.10	21.77	1.13
Coffee	154.60	3.52	12.39	5.42	2.35	7.34	.59	.07	10.16	.53
Enset	70.93	1.62	-	-	*	*	*	*	29.55	1.53
Cotton	*	*	-	-	-	-	-	-	*	*
Tobacco	2.60	.06	-	-	*	*	-	-	.81	.04
Fruits	8.97	.20	*	*	.62	1.94	-	-	1.32	.07
Other Permanent	8.11	.18	-	-	1.72	5.37	*	*	2.27	.12
TOTAL PERMANENT	313.36	7.14	12.40	5.43	11.07	34.58	1.66	.21	65.89	3.41
ALL CROPS	4,387.09	100.00	228.41	100.00	32.01	100.00	804.13	100.00	1,930.99	100.00

TABLE 1.6.1

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

West Melega

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	244.11	69.97	34.64	96.65	*	*	4.38	95.01	91.29	94.47
Teff	35.38	10.14	-	-	*	*	*	*	17.93	18.56
Barely	4.01	1.15	-	-	-	-	-	-	.61	.63
Wheat	11.92	3.42	*	*	-	-	-	-	1.03	1.07
Maize	106.23	30.45	34.44	96.09	-	-	*	*	56.11	58.07
Sorghum	52.51	15.05	-	-	-	-	*	*	4.26	4.41
Millet	34.02	9.75	-	-	-	-	*	*	*	*
Oats	*	*	-	-	-	-	-	-	-	-
PULSES	24.89	7.13	-	-	*	*	*	*	1.94	2.01
Horse Beans	8.00	2.29	-	-	-	-	-	-	1.28	1.32
Field Peas	2.45	.70	-	-	-	-	-	-	-	-
Haricot Beans	11.19	3.21	-	-	-	-	*	*	.44	.46
Chick Peas	*	*	-	-	*	*	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-	-
Vetch	*	*	-	-	-	-	-	-	*	*
OILSEEDS	13.80	3.96	-	-	-	-	-	-	.32	.33
Neug	12.50	3.58	-	-	-	-	-	-	*	*
Lin Seed	.25	.07	-	-	-	-	-	-	*	*
Rape seed	1.00	.29	-	-	-	-	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	-	-	*	*
Sesame	*	*	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	9.04	2.59	-	-	-	-	-	-	2.07	2.14
Fenugreek	*	*	-	-	-	-	-	-	*	*
Spices	2.60	.75	-	-	-	-	-	-	.45	.47
Potatoes	1.94	.56	-	-	-	-	-	-	*	*
Other Temporary	4.36	1.25	-	-	-	-	-	-	.79	.82
ALL TEMPORARY	291.84	83.65	34.64	96.65	*	*	4.46	96.75	95.62	98.95
Chat	1.00	.29	-	-	*	*	-	-	.02	.02
Coffee	50.87	14.58	*	*	*	*	*	*	*	*
Enset	.46	.13	-	-	-	-	-	-	*	*
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	-	-	-	-	-	-	*	*
Fruits	2.86	.82	-	-	-	-	-	-	*	*
Other Permanent	.86	.25	-	-	*	*	-	-	*	*
TOTAL PERMANENT	57.05	16.35	*	*	*	*	*	*	1.01	1.05
ALL CROPS	348.89	100.00	35.84	100.00	.60	100.00	4.61	100.00	96.63	100.00

TABLE 1.6.2

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

East Welega

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	328.11	75.70	45.00	99.32	*	*	1.92	90.14	165.06	93.03
Teff	123.96	28.60	-	-	-	-	*	*	75.09	42.32
Barely	18.24	4.21	-	-	-	-	-	-	3.23	1.82
Wheat	24.19	5.58	3.28	7.24	-	-	*	*	10.56	5.95
Maize	113.08	26.09	41.47	91.53	-	-	*	*	67.07	37.80
Sorghum	27.84	6.42	*	*	*	*	*	*	*	*
Millet	20.71	4.78	-	-	-	-	*	*	8.37	4.72
Oats	*	*	-	-	-	-	-	-	*	*
PULSES	24.47	5.65	*	*	-	-	-	-	4.99	2.81
Horse Beans	14.22	3.28	*	*	-	-	-	-	4.02	2.27
Field Peas	6.54	1.51	-	-	-	-	-	-	*	*
Haricot Beans	.46	.11	-	-	-	-	-	-	.12	.07
Chick Peas	*	*	-	-	-	-	-	-	.77	.43
Lentils	*	*	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	65.01	15.00	-	-	-	-	-	-	2.67	1.50
Neug	57.99	13.38	-	-	-	-	-	-	1.74	.98
Lin Seed	2.69	.62	-	-	-	-	-	-	*	*
Rape seed	1.99	.46	-	-	-	-	-	-	.83	.47
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	-	-	-	-
Sesame	2.30	.53	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	7.35	1.70	-	-	*	*	-	-	4.06	2.29
Fenugreek	.26	.06	-	-	-	-	-	-	.12	.07
Spices	4.53	1.05	-	-	-	-	-	-	2.70	1.52
Potatoes	.95	.22	-	-	-	-	-	-	.30	.17
Other Temporary	1.61	.37	-	-	*	*	-	-	.94	.53
ALL TEMPORARY	424.95	98.04	45.29	99.96	*	*	1.92	90.14	176.78	99.64
Chat	*	*	-	-	-	-	-	-	.04	.02
Coffee	6.67	1.54	*	*	.01	14.29	*	*	.09	.05
Enset	*	*	-	-	-	-	-	-	*	*
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	-	-	-	-	-	-	*	*
Fruits	.74	.17	-	-	*	*	-	-	.17	.10
Other Permanent	.83	.19	-	-	*	*	-	-	.29	.16
TOTAL PERMANENT	8.52	1.97	*	*	.04	57.14	*	*	.64	.36
ALL CROPS	433.46	100.00	45.31	100.00	.07	100.00	2.13	100.00	177.42	100.00

TABLE 1.6.3

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
(2000/2001(1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	149.80	75.43	19.61	83.91	*	*	14.76	99.86	47.75	98.64
Teff	44.05	22.18	*	*	*	*	11.04	74.70	14.39	29.73
Barely	2.57	1.29	-	-	-	-	-	-	*	*
Wheat	2.08	1.05	-	-	-	-	*	*	.46	.95
Maize	75.09	37.81	19.37	82.88	-	-	*	*	32.21	66.54
Sorghum	22.51	11.33	-	-	-	-	*	*	.62	1.28
Millet	3.50	1.76	-	-	-	-	*	*	*	*
Oats	*	*	-	-	-	-	-	-	-	-
PULSES	11.46	5.77	-	-	-	-	-	-	*	*
Horse Beans	3.75	1.89	-	-	-	-	-	-	*	*
Field Peas	3.10	1.56	-	-	-	-	-	-	-	-
Haricot Beans	4.54	2.29	-	-	-	-	-	-	-	-
Chick Peas	*	*	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-
Vetch	*	*	-	-	-	-	-	-	-	-
OILSEEDS	2.61	1.31	-	-	-	-	-	-	-	-
Neug	2.13	1.07	-	-	-	-	-	-	-	-
Lin Seed	.44	.22	-	-	-	-	-	-	-	-
Rape seed	*	*	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	2.15	1.08	-	-	-	-	*	*	.14	.29
Fenugreek	.04	.02	-	-	-	-	-	-	-	-
Spices	1.49	.75	-	-	-	-	-	-	.10	.21
Potatoes	*	*	-	-	-	-	-	-	-	-
Other Temporary	.56	.28	-	-	-	-	*	*	.04	.08
ALL TEMPORARY	166.02	83.60	19.62	83.95	*	*	14.77	99.93	48.01	99.17
Chat	1.96	.99	-	-	.06	85.71	-	-	*	*
Coffee	28.05	14.12	3.75	16.05	-	-	*	*	*	*
Enset	1.66	.84	-	-	-	-	-	-	.05	.10
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	-	-	-	-	-	-	*	*
Fruits	.64	.32	-	-	-	-	-	-	*	*
Other Permanent	.10	.05	-	-	-	-	-	-	-	-
TOTAL PERMANENT	32.57	16.40	3.75	16.05	.06	85.71	*	*	.41	.85
ALL CROPS	198.59	100.00	23.37	100.00	.07	100.00	14.78	100.00	48.41	100.00

TABLE 1.6.4

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	324.61	79.71	40.61	93.92	*	*	111.79	99.37	134.63	87.09
Teff	114.95	28.23	-	-	*	*	86.00	76.44	56.98	36.86
Barely	19.19	4.71	-	-	-	-	2.57	2.28	*	*
Wheat	24.23	5.95	*	*	-	-	13.58	12.07	*	*
Maize	119.05	29.23	40.07	92.67	*	*	*	*	66.89	43.27
Sorghum	41.59	10.21	-	-	-	-	*	*	1.12	.72
Millet	*	*	-	-	-	-	*	*	*	*
Oats	*	*	-	-	-	-	*	*	*	*
PULSES	23.33	5.73	*	*	-	-	*	*	3.76	2.43
Horse Beans	13.24	3.25	-	-	-	-	*	*	*	*
Field Peas	5.67	1.39	-	-	-	-	-	-	-	-
Haricot Beans	2.75	.68	*	*	-	-	*	*	*	*
Chick Peas	*	*	-	-	-	-	-	-	*	*
Lentils	*	*	-	-	-	-	-	-	*	*
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	15.18	3.73	-	-	-	-	.55	.49	.42	.27
Neug	*	*	-	-	-	-	-	-	*	*
Lin Seed	2.82	.69	-	-	-	-	.55	.49	*	*
Rape seed	*	*	-	-	-	-	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	9.63	2.36	*	*	*	*	*	*	5.26	3.40
Fenugreek	-	-	-	-	-	-	-	-	-	-
Spices	1.36	.33	-	-	-	-	-	-	*	*
Potatoes	*	*	-	-	-	-	-	-	*	*
Other Temporary	8.18	2.01	*	*	*	*	*	*	4.69	3.03
ALL TEMPORARY	372.75	91.53	40.68	94.08	*	*	112.47	99.97	144.08	93.21
Chat	5.82	1.43	-	-	*	*	*	*	1.73	1.12
Coffee	17.74	4.36	*	*	-	-	*	*	1.72	1.11
Enset	9.85	2.42	-	-	*	*	-	-	6.74	4.36
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	.02	*	-	-	-	-	-	-	-	-
Fruits	.56	.14	-	-	-	-	-	-	.24	.16
Other Permanent	*	*	-	-	-	-	-	-	.07	.05
TOTAL PERMANENT	34.52	8.48	*	*	*	*	*	*	10.51	6.80
ALL CROPS	407.26	100.00	43.24	100.00	.62	100.00	112.50	100.00	154.58	100.00

TABLE 1.6.5

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	487.52	78.71	24.66	97.55	*	*	239.70	98.63	355.12	91.84
Teff	237.47	38.34	*	*	*	*	149.00	61.31	194.60	50.32
Barely	67.58	10.91	-	-	*	*	26.21	10.78	44.25	11.44
Wheat	102.20	16.50	2.39	9.45	-	-	63.67	26.20	83.76	21.66
Maize	54.09	8.73	17.49	69.19	*	*	*	*	31.18	8.06
Sorghum	25.42	4.10	-	-	-	-	*	*	1.32	.34
Millet	-	-	-	-	-	-	-	-	-	-
Oats	*	*	-	-	-	-	*	*	*	*
PULSES	78.84	12.73	*	*	-	-	*	*	10.71	2.77
Horse Beans	23.19	3.74	*	*	-	-	*	*	5.82	1.51
Field Peas	*	*	*	*	-	-	*	*	*	*
Haricot Beans	.48	.08	-	-	-	-	-	-	*	*
Chick Peas	30.02	4.85	-	-	-	-	-	-	*	*
Lentils	5.21	.84	-	-	-	-	*	*	*	*
Vetch	15.23	2.46	-	-	-	-	*	*	*	*
OILSEEDS	27.40	4.42	*	*	-	-	*	*	1.75	.45
Neug	12.11	1.96	-	-	-	-	-	-	-	-
Lin Seed	10.54	1.70	*	*	-	-	*	*	*	*
Rape seed	*	*	-	-	-	-	-	-	1.13	.29
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	*	*	-	-	-	-	-	-	*	*
OTHERS	6.89	1.11	*	*	.50	32.05	*	*	3.77	.97
Fenugreek	.92	.15	-	-	-	-	-	-	*	*
Spices	1.64	.26	-	-	*	*	*	*	*	*
Potatoes	1.15	.19	-	-	*	*	-	-	.83	.21
Other Temporary	3.18	.51	*	*	.41	26.28	-	-	2.03	.52
ALL TEMPORARY	600.65	96.98	25.21	99.72	1.06	67.95	242.77	99.89	371.34	96.03
Chat	*	*	-	-	*	*	-	-	*	*
Coffee	*	*	*	*	-	-	-	-	*	*
Enset	15.97	2.58	-	-	*	*	*	*	13.34	3.45
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	.10	.02	-	-	*	*	-	-	.06	.02
Fruits	.12	.02	-	-	*	*	-	-	*	*
Other Permanent	.75	.12	-	-	.09	5.77	*	*	.48	.12
TOTAL PERMANENT	18.72	3.02	*	*	*	*	*	*	15.35	3.97
ALL CROPS	619.37	100.00	25.28	100.00	1.56	100.00	243.03	100.00	386.69	100.00

TABLE 1.6.6

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	257.48	74.24	*	*	*	*	24.10	96.13	102.13	95.16
Teff	93.27	26.89	*	*	*	*	12.38	49.38	50.80	47.33
Barely	67.49	19.46	*	*	-	-	4.03	16.07	*	*
Wheat	69.35	20.00	*	*	-	-	7.62	30.39	41.76	38.91
Maize	3.41	.98	-	-	*	*	*	*	2.15	2.00
Sorghum	22.87	6.59	-	-	-	-	-	-	*	*
Millet	*	*	-	-	-	-	-	-	*	*
Oats	.97	.28	-	-	-	-	*	*	*	*
PULSES	71.46	20.60	-	-	*	*	*	*	3.64	3.39
Horse Beans	36.74	10.59	-	-	*	*	*	*	2.80	2.61
Field Peas	8.75	2.52	-	-	-	-	-	-	*	*
Haricot Beans	.12	.03	-	-	-	-	-	-	-	-
Chick Peas	*	*	-	-	-	-	*	*	.52	.48
Lentils	9.66	2.79	-	-	-	-	*	*	*	*
Vetch	7.60	2.19	-	-	-	-	-	-	-	-
OILSEEDS	15.56	4.49	-	-	-	-	*	*	.54	.50
Neug	8.70	2.51	-	-	-	-	*	*	*	*
Lin Seed	6.45	1.86	-	-	-	-	*	*	*	*
Rape seed	.33	.10	-	-	-	-	*	*	.24	.22
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	1.67	.48	-	-	*	*	-	-	.65	.61
Fenugreek	.49	.14	-	-	-	-	-	-	*	*
Spices	.17	.05	-	-	-	-	-	-	*	*
Potatoes	*	*	-	-	-	-	-	-	*	*
Other Temporary	.89	.26	-	-	*	*	-	-	.39	.36
ALL TEMPORARY	346.17	99.82	*	*	*	*	25.07	100.00	106.96	99.66
Chat	-	-	-	-	-	-	-	-	-	-
Coffee	*	*	-	-	*	*	-	-	*	*
Enset	.01	*	-	-	-	-	-	-	.01	.01
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	-	-	-	-	-	-	.04	.04
Fruits	*	*	-	-	*	*	-	-	*	*
Other Permanent	.40	.12	-	-	*	*	-	-	.21	.20
TOTAL PERMANENT	.64	.18	-	-	*	*	-	-	*	*
ALL CROPS	346.81	100.00	*	*	.63	100.00	25.07	100.00	107.33	100.00

TABLE 1.6.7

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	307.10	78.35	22.21	96.94	*	*	87.24	96.75	203.07	90.13
Teff	99.02	25.26	*	*	-	-	54.30	60.22	84.75	37.61
Barely	8.97	2.29	-	-	-	-	3.81	4.23	7.03	3.12
Wheat	68.68	17.52	10.00	43.65	-	-	27.44	30.43	62.73	27.84
Maize	121.68	31.04	11.99	52.34	*	*	*	*	47.07	20.89
Sorghum	8.20	2.09	-	-	-	-	-	-	1.25	.55
Millet	.41	.10	-	-	-	-	-	-	*	*
Oats	*	*	-	-	-	-	*	*	*	*
PULSES	68.18	17.40	*	*	-	-	2.12	2.35	11.04	4.90
Horse Beans	7.74	1.97	-	-	-	-	*	*	1.75	.78
Field Peas	7.71	1.97	*	*	-	-	-	-	*	*
Haricot Beans	25.23	6.44	-	-	-	-	-	-	5.56	2.47
Chick Peas	15.94	4.07	*	*	-	-	1.50	1.66	*	*
Lentils	6.50	1.66	-	-	-	-	*	*	.67	.30
Vetch	5.06	1.29	-	-	-	-	*	*	-	-
OILSEEDS	1.80	.46	-	-	-	-	*	*	.65	.29
Neug	*	*	-	-	-	-	-	-	-	-
Lin Seed	.17	.04	-	-	-	-	-	-	-	-
Rape seed	.94	.24	-	-	-	-	*	*	.44	.20
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	-	-	*	*
Sesame	*	*	-	-	-	-	-	-	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	13.01	3.32	*	*	*	*	.80	.89	9.35	4.15
Fenugreek	*	*	-	-	-	-	-	-	*	*
Spices	*	*	-	-	-	-	*	*	*	*
Potatoes	*	*	-	-	-	-	*	*	*	*
Other Temporary	4.51	1.15	*	*	*	*	*	*	2.90	1.29
ALL TEMPORARY	390.08	99.52	22.91	100.00	*	*	90.17	100.00	224.12	99.47
Chat	*	*	-	-	-	-	-	-	*	*
Coffee	-	-	-	-	-	-	-	-	-	-
Enset	*	*	-	-	-	-	*	*	*	*
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	.08	.02	-	-	-	-	-	-	*	*
Fruits	*	*	-	-	*	*	-	-	*	*
Other Permanent	.68	.17	-	-	-	-	-	-	.23	.10
TOTAL PERMANENT	1.87	.48	-	-	*	*	*	*	1.20	.53
ALL CROPS	391.95	100.00	22.91	100.00	*	*	90.17	100.00	225.32	100.00

TABLE 1.6.8

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	496.56	78.98	6.52	95.46	*	*	211.59	99.45	376.87	87.22
Teff	75.43	12.00	-	-	-	-	32.45	15.25	42.26	9.78
Barely	119.95	19.08	*	*	-	-	31.13	14.63	108.20	25.04
Wheat	201.04	31.97	5.23	76.57	*	*	143.31	67.36	188.92	43.72
Maize	70.59	11.23	*	*	*	*	*	*	26.99	6.25
Sorghum	23.97	3.81	-	-	*	*	*	*	*	*
Millet	*	*	-	-	-	-	-	-	-	-
Oats	*	*	-	-	-	-	*	*	*	*
PULSES	59.71	9.50	*	*	-	-	*	*	37.19	8.61
Horse Beans	40.28	6.41	-	-	-	-	-	-	28.91	6.69
Field Peas	11.81	1.88	-	-	-	-	-	-	-	-
Haricot Beans	*	*	-	-	-	-	*	*	*	*
Chick Peas	*	*	*	*	-	-	*	*	*	*
Lentils	*	*	-	-	-	-	-	-	*	*
Vetch	*	*	-	-	-	-	-	-	*	*
OILSEEDS	55.49	8.83	*	*	-	-	*	*	9.99	2.31
Neug	*	*	-	-	-	-	-	-	-	-
Lin Seed	44.87	7.14	*	*	-	-	*	*	6.02	1.39
Rape seed	*	*	-	-	-	-	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	-	-	*	*
Sesame	*	*	-	-	-	-	-	-	-	-
Castor Bean	*	*	-	-	-	-	-	-	-	-
OTHERS	10.28	1.63	*	*	*	*	*	*	5.70	1.32
Fenugreek	*	*	-	-	-	-	-	-	*	*
Spices	*	*	-	-	-	-	-	-	*	*
Potatoes	3.70	.59	-	-	*	*	-	-	2.74	.63
Other Temporary	5.04	.80	*	*	*	*	*	*	2.25	.52
ALL TEMPORARY	622.04	98.93	6.83	100.00	1.71	71.25	212.75	100.00	429.75	99.46
Chat	*	*	-	-	*	*	-	-	*	*
Coffee	*	*	-	-	*	*	-	-	*	*
Enset	*	*	-	-	-	-	-	-	*	*
Cotton	*	*	-	-	-	-	-	-	-	-
Tobacco	.21	.03	-	-	-	-	-	-	.10	.02
Fruits	*	*	-	-	*	*	-	-	*	*
Other Permanent	*	*	-	-	*	*	-	-	*	*
TOTAL PERMANENT	6.71	1.07	-	-	*	*	-	-	2.34	.54
ALL CROPS	628.75	100.00	6.83	100.00	2.40	100.00	212.75	100.00	432.09	100.00

TABLE 1.6.9

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	192.02	71.79	2.34	58.94	*	*	*	*	35.48	72.88
Teff	10.81	4.04	*	*	*	*	*	*	*	*
Barely	5.68	2.12	-	-	*	*	-	-	*	*
Wheat	3.64	1.36	*	*	*	*	-	-	.51	1.05
Maize	80.45	30.08	*	*	*	*	-	-	16.44	33.77
Sorghum	89.49	33.46	*	*	*	*	-	-	11.17	22.95
Millet	1.23	.46	-	-	-	-	-	-	*	*
Oats	.73	.27	-	-	-	-	-	-	*	*
PULSES	20.93	7.83	*	*	*	*	-	-	2.92	6.00
Horse Beans	5.42	2.03	-	-	*	*	-	-	*	*
Field Peas	1.72	.64	*	*	-	-	-	-	*	*
Haricot Beans	11.51	4.30	-	-	*	*	-	-	2.23	4.58
Chick Peas	1.05	.39	-	-	-	-	-	-	*	*
Lentils	.95	.36	-	-	*	*	-	-	*	*
Vetch	*	*	-	-	-	-	-	-	*	*
OILSEEDS	1.52	.57	*	*	*	*	-	-	*	*
Neug	*	*	-	-	-	-	-	-	*	*
Lin Seed	.43	.16	*	*	-	-	-	-	*	*
Rape seed	*	*	-	-	-	-	-	-	-	-
Ground Nuts	*	*	-	-	*	*	-	-	*	*
Sun Flower	*	*	-	-	-	-	-	-	-	-
Sesame	*	*	-	-	-	-	-	-	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	9.93	3.71	*	*	*	*	*	*	1.58	3.25
Fenugreek	.46	.17	-	-	-	-	-	-	*	*
Spices	*	*	-	-	-	-	-	-	*	*
Potatoes	.13	.05	-	-	*	*	-	-	*	*
Other Temporary	8.34	3.12	*	*	*	*	*	*	1.25	2.57
ALL TEMPORARY	224.40	83.90	2.38	59.95	*	*	*	*	40.22	82.62
Chat	23.70	8.86	-	-	2.79	*	*	*	3.60	7.40
Coffee	16.79	6.28	1.59	40.05	*	*	-	-	4.56	9.37
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	.31	.12	-	-	-	-	-	-	.14	.29
Fruits	*	*	*	*	*	*	-	-	*	*
Other Permanent	1.60	.60	-	-	.57	*	-	-	*	*
TOTAL PERMANENT	43.06	16.10	1.60	40.30	4.97	*	*	*	8.46	17.38
ALL CROPS	267.47	100.00	3.97	100.00	*	*	.61	100.00	48.68	100.00

TABLE 1.6.10

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	174.15	69.65	7.07	94.52	2.95	34.10	10.46	93.31	74.66	70.21
Teff	4.05	1.62	*	*	*	*	-	-	*	*
Barely	3.65	1.46	-	-	*	*	*	*	1.08	1.02
Wheat	16.10	6.44	1.86	24.87	*	*	*	*	11.73	11.03
Maize	62.54	25.01	*	*	2.23	25.78	*	*	29.26	27.52
Sorghum	86.66	34.66	*	*	.51	5.90	*	*	30.69	28.86
Millet	-	-	-	-	-	-	-	-	-	-
Oats	*	*	-	-	-	-	-	-	*	*
PULSES	16.60	6.64	*	*	*	*	*	*	5.93	5.58
Horse Beans	6.92	2.77	-	-	-	-	-	-	*	*
Field Peas	1.81	.72	-	-	-	-	-	-	*	*
Haricot Beans	7.46	2.98	*	*	*	*	*	*	4.62	4.34
Chick Peas	*	*	-	-	-	-	-	-	*	*
Lentils	*	*	-	-	-	-	-	-	*	*
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	-	-	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	.12	.05	-	-	-	-	-	-	*	*
Rape seed	*	*	-	-	-	-	-	-	*	*
Ground Nuts	*	*	-	-	*	*	-	-	*	*
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	13.94	5.58	-	-	1.61	18.61	*	*	7.44	7.00
Fenugreek	.22	.09	-	-	-	-	-	-	*	*
Spices	.22	.09	-	-	*	*	-	-	*	*
Potatoes	5.04	2.02	-	-	*	*	*	*	4.01	3.77
Other Temporary	8.46	3.38	-	-	1.19	13.76	*	*	3.28	3.08
ALL TEMPORARY	216.92	86.76	7.10	94.92	4.90	56.65	10.58	94.38	89.95	84.59
Chat	30.17	12.07	-	-	2.72	31.45	*	*	14.74	13.86
Coffee	1.78	.71	*	*	*	*	*	*	1.21	1.14
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	.14	.06	-	-	*	*	-	-	.09	.08
Fruits	*	*	-	-	*	*	-	-	*	*
Other Permanent	*	*	-	-	*	*	-	-	*	*
TOTAL PERMANENT	33.10	13.24	*	*	3.75	43.35	*	*	16.39	15.41
ALL CROPS	250.02	100.00	7.48	100.00	8.65	100.00	11.21	100.00	106.34	100.00

TABLE 1.6.11

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001 (1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	252.16	78.22	*	*	*	*	85.41	98.99	119.53	95.24
Teff	39.82	12.35	-	-	-	-	11.86	13.75	3.82	3.04
Barely	56.51	17.53	-	-	-	-	9.12	10.57	27.71	22.08
Wheat	111.65	34.63	*	*	-	-	61.47	71.24	78.48	62.53
Maize	19.70	6.11	-	-	*	*	-	-	3.08	2.45
Sorghum	8.61	2.67	-	-	-	-	*	*	*	*
Millet	-	-	-	-	-	-	-	-	-	-
Oats	15.88	4.93	-	-	-	-	2.07	2.40	6.10	4.86
PULSES	26.99	8.37	*	*	*	*	*	*	1.37	1.09
Horse Beans	8.86	2.75	-	-	*	*	-	-	.67	.53
Field Peas	8.21	2.55	-	-	-	-	-	-	-	-
Haricot Beans	.89	.28	-	-	-	-	-	-	*	*
Chick Peas	*	*	*	*	-	-	-	-	*	*
Lentils	2.10	.65	-	-	-	-	*	*	*	*
Vetch	*	*	-	-	-	-	*	*	*	*
OILSEEDS	18.34	5.69	-	-	*	*	*	*	*	*
Neug	*	*	-	-	-	-	-	-	-	-
Lin Seed	17.91	5.56	-	-	-	-	*	*	*	*
Rape seed	*	*	-	-	*	*	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	14.48	4.49	*	*	*	*	-	-	1.51	1.20
Fenugreek	1.38	.43	-	-	-	-	-	-	*	*
Spices	9.18	2.85	-	-	*	*	-	-	*	*
Potatoes	1.36	.42	-	-	-	-	-	-	*	*
Other Temporary	2.56	.79	*	*	*	*	-	-	.47	.37
ALL TEMPORARY	311.97	96.77	*	*	.40	100.00	86.28	100.00	122.46	97.57
Chat	*	*	-	-	-	-	-	-	-	-
Coffee	4.40	1.36	-	-	-	-	-	-	*	*
Enset	5.07	1.57	-	-	-	-	-	-	2.85	2.27
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	.10	.03	-	-	-	-	-	-	*	*
Fruits	*	*	-	-	-	-	-	-	*	*
Other Permanent	.20	.06	-	-	-	-	-	-	*	*
TOTAL PERMANENT	10.41	3.23	-	-	-	-	-	-	3.05	2.43
ALL CROPS	322.38	100.00	*	*	.40	100.00	86.28	100.00	125.51	100.00

TABLE 1.6.12

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1998 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	86.56	50.29	4.35	60.50	*	*	.90	92.78	13.83	62.92
Teff	9.05	5.26	*	*	*	*	*	*	*	*
Barely	23.81	13.83	-	-	*	*	-	-	*	*
Wheat	7.64	4.44	*	*	-	-	-	-	*	*
Maize	45.34	26.34	3.50	48.68	-	-	*	*	5.20	23.66
Sorghum	*	*	-	-	-	-	*	*	-	-
Millet	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	14.01	8.14	-	-	-	-	-	-	.41	1.87
Horse Beans	3.13	1.82	-	-	-	-	-	-	*	*
Field Peas	*	*	-	-	-	-	-	-	-	-
Haricot Beans	6.89	4.00	-	-	-	-	-	-	.16	.73
Chick Peas	.22	.13	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	*	*	-	-	-	-	-	-	-	-
Rape seed	*	*	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	5.34	3.10	-	-	-	-	-	-	1.57	7.14
Fenugreek	-	-	-	-	-	-	-	-	-	-
Spices	*	*	-	-	-	-	-	-	-	-
Potatoes	*	*	-	-	-	-	-	-	*	*
Other Temporary	4.87	2.83	-	-	-	-	-	-	1.51	6.87
ALL TEMPORARY	105.94	61.55	4.35	60.50	*	*	.90	92.78	15.82	71.97
Chat	2.94	1.71	-	-	-	-	-	-	*	*
Coffee	27.29	15.86	*	*	*	*	*	*	1.79	8.14
Enset	32.59	18.93	-	-	*	*	-	-	3.90	17.74
Cotton	*	*	-	-	-	-	-	-	*	*
Tobacco	*	*	-	-	-	-	-	-	*	*
Fruits	*	*	-	-	-	-	-	-	*	*
Other Permanent	.73	.42	-	-	*	*	-	-	-	-
TOTAL PERMANENT	66.18	38.45	*	*	*	*	*	*	6.17	28.07
ALL CROPS	172.12	100.00	7.19	100.00	*	*	.97	100.00	21.98	100.00

TABLE 1.7

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	57.95	90.14	.43	91.49	.69	53.08	*	*	*	*
Teff	*	*	-	-	-	-	-	-	-	-
Barely	3.22	5.01	*	*	-	-	-	-	*	*
Wheat	3.45	5.37	*	*	*	*	-	-	.23	*
Maize	26.57	41.33	*	*	.18	13.85	-	-	*	*
Sorghum	24.51	38.12	*	*	.49	37.69	*	*	.30	*
Millet	-	-	-	-	-	-	-	-	-	-
Oats	.15	.23	-	-	-	-	-	-	-	-
PULSES	.88	1.37	-	-	*	*	-	-	.04	*
Horse Beans	-	-	-	-	-	-	-	-	-	-
Field Peas	*	*	-	-	-	-	-	-	-	-
Haricot Beans	.70	1.09	-	-	*	*	-	-	.04	*
Chick Peas	.15	.23	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	-	-	*	*	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	*	*	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	*	*	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	-	-	*	*	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.50	.78	*	*	.08	6.15	*	*	*	*
Fenugreek	.07	.11	-	-	-	-	-	-	-	-
Spices	*	*	-	-	-	-	-	-	-	-
Potatoes	*	*	-	-	-	-	-	-	*	*
Other Temporary	.38	.59	*	*	.08	6.15	*	*	*	*
ALL TEMPORARY	60.17	93.59	.47	100.00	.85	65.38	*	*	*	*
Chat	3.76	5.85	-	-	*	*	-	-	*	*
Coffee	*	*	-	-	*	*	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	.35	.54	*	*	.34	26.15	-	-	*	*
Other Permanent	*	*	-	-	-	-	-	-	-	-
TOTAL PERMANENT	4.12	6.41	*	*	.45	34.62	-	-	*	*
ALL CROPS	64.29	100.00	.47	100.00	1.30	100.00	*	*	*	*

TABLE 1.7.1

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	.91	73.98	*	*	.55	63.95	-	-	.14	70.00
Teff	-	-	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-
Maize	.11	8.94	*	*	.09	10.47	-	-	.02	10.00
Sorghum	.80	65.04	.04	*	.46	53.49	-	-	.12	60.00
Millet	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.03	2.44	-	-	.03	3.49	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-
Other Temporary	.03	2.44	-	-	.03	3.49	-	-	-	-
ALL TEMPORARY	.94	76.42	*	*	.58	67.44	-	-	.15	75.00
Chat	.06	4.88	-	-	.05	5.81	-	-	-	-
Coffee	*	*	-	-	*	*	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	.22	17.89	-	-	.22	25.58	-	-	.04	20.00
Other Permanent	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	.29	23.58	-	-	.28	32.56	-	-	.05	25.00
ALL CROPS	1.23	100.00	*	*	.86	100.00	-	-	.20	100.00

TABLE 1.7.2

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	51.83	90.68	.19	95.00	.06	*	-	-	*	*
Teff	*	*	-	-	-	-	-	-	-	-
Barely	3.22	5.63	*	*	-	-	-	-	*	*
Wheat	3.33	5.83	*	*	*	*	-	-	.23	*
Maize	22.14	38.73	*	*	*	*	-	-	*	*
Sorghum	22.93	40.12	-	-	-	-	-	-	*	*
Millet	-	-	-	-	-	-	-	-	-	-
Oats	.15	.26	-	-	-	-	-	-	-	-
PULSES	.54	.94	-	-	-	-	-	-	.03	*
Horse Beans	-	-	-	-	-	-	-	-	-	-
Field Peas	*	*	-	-	-	-	-	-	-	-
Haricot Beans	.36	.63	-	-	-	-	-	-	.03	*
Chick Peas	.15	.26	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	*	*	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	*	*	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.43	.75	-	-	.01	*	-	-	*	*
Fenugreek	.07	.12	-	-	-	-	-	-	-	-
Spices	*	*	-	-	-	-	-	-	-	-
Potatoes	*	*	-	-	-	-	-	-	*	*
Other Temporary	.31	.54	-	-	-	-	-	-	*	*
ALL TEMPORARY	53.45	93.51	.19	95.00	.06	*	-	-	*	*
Chat	3.70	6.47	-	-	*	*	-	-	1.11	*
Coffee	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	3.71	6.49	-	-	*	*	-	-	1.11	*
ALL CROPS	57.16	100.00	.20	100.00	*	*	-	-	*	*

TABLE 1.7.3

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	5.22	88.47	*	*	.08	24.24	*	*	.21	95.45
Teff	-	-	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-	-	-
Wheat	*	*	-	-	-	-	-	-	-	-
Maize	4.32	73.22	-	-	*	*	-	-	.20	90.91
Sorghum	*	*	*	*	.02	6.06	*	*	*	*
Millet	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	.34	5.76	-	-	*	*	-	-	*	*
Horse Beans	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-
Haricot Beans	.34	5.76	-	-	*	*	-	-	*	*
Chick Peas	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	-	-	*	*	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	-	-	*	*	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	*	*	*	*	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-
Other Temporary	*	*	*	*	*	*	*	*	-	-
ALL TEMPORARY	5.78	97.97	*	*	*	*	*	*	.22	100.00
Chat	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	*	*	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	-	-	*	*	-	-	-	-
ALL CROPS	5.90	100.00	*	*	.33	100.00	*	*	.22	100.00

TABLE 1.8

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	129.99	72.30	4.49	95.74	*	*	*	*	20.20	87.33
Teff	16.95	9.43	-	-	-	-	-	-	5.50	23.78
Barely	*	*	-	-	-	-	-	-	*	*
Wheat	*	*	*	*	-	-	-	-	*	*
Maize	26.67	14.83	4.45	94.88	*	*	.77	*	10.97	47.43
Sorghum	61.07	33.97	-	-	*	*	*	*	.36	1.56
Millet	22.69	12.62	-	-	-	-	*	*	*	*
Oats	*	*	-	-	-	-	-	-	-	-
PULSES	5.09	2.83	-	-	-	-	-	-	.79	3.42
Horse Beans	1.04	.58	-	-	-	-	-	-	.53	2.29
Field Peas	.37	.21	-	-	-	-	-	-	*	*
Haricot Beans	3.16	1.76	-	-	-	-	-	-	.05	.22
Chick Peas	.43	.24	-	-	-	-	-	-	*	*
Lentils	*	*	-	-	-	-	-	-	*	*
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	37.31	20.75	-	-	*	*	*	*	.22	.95
Neug	24.81	13.80	-	-	*	*	*	*	*	*
Lin Seed	.31	.17	-	-	-	-	*	*	.02	.09
Rape seed	.10	.06	-	-	-	-	-	-	*	*
Ground Nuts	3.03	1.69	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	-	-	-	-
Sesame	9.01	5.01	-	-	-	-	-	-	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	5.33	2.96	-	-	-	-	-	-	1.44	6.23
Fenugreek	.03	.02	-	-	-	-	-	-	*	*
Spices	1.77	.98	-	-	-	-	-	-	.86	3.72
Potatoes	*	*	-	-	-	-	-	-	*	*
Other Temporary	3.20	1.78	-	-	-	-	-	-	.31	1.34
ALL TEMPORARY	177.72	98.85	4.49	95.74	*	*	*	*	22.64	97.88
Chat	.08	.04	-	-	*	*	-	-	.02	.09
Coffee	1.14	.63	.20	4.26	*	*	-	-	.33	1.43
Enset	.01	.01	-	-	-	-	-	-	-	-
Cotton	.06	.03	-	-	-	-	-	-	-	-
Tobacco	.08	.04	-	-	-	-	-	-	.02	.09
Fruits	.59	.33	-	-	*	*	-	-	.06	.26
Other Permanent	.11	.06	-	-	.01	*	-	-	.05	.22
TOTAL PERMANENT	2.06	1.15	.20	4.26	*	*	-	-	.49	2.12
ALL CROPS	179.79	100.00	4.69	100.00	*	*	*	*	23.13	100.00

TABLE 1.8.1

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	70.65	72.44	3.36	99.70	*	*	*	*	14.93	89.29
Teff	9.69	9.94	-	-	-	-	-	-	*	*
Barely	*	*	-	-	-	-	-	-	*	*
Wheat	*	*	*	*	-	-	-	-	*	*
Maize	10.71	10.98	3.32	98.52	*	*	-	-	6.94	41.51
Sorghum	27.33	28.02	-	-	*	*	*	*	*	*
Millet	20.46	20.98	-	-	-	-	*	*	1.95	11.66
Oats	*	*	-	-	-	-	-	-	-	-
PULSES	4.06	4.16	-	-	-	-	-	-	.77	4.61
Horse Beans	.94	.96	-	-	-	-	-	-	.53	3.17
Field Peas	.30	.31	-	-	-	-	-	-	*	*
Haricot Beans	2.55	2.61	-	-	-	-	-	-	.03	.18
Chick Peas	*	*	-	-	-	-	-	-	*	*
Lentils	*	*	-	-	-	-	-	-	*	*
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	19.18	19.67	-	-	-	-	*	*	.13	.78
Neug	11.35	11.64	-	-	-	-	-	-	*	*
Lin Seed	.10	.10	-	-	-	-	*	*	-	-
Rape seed	.09	.09	-	-	-	-	-	-	*	*
Ground Nuts	*	*	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	-	-	-	-
Sesame	5.51	5.65	-	-	-	-	-	-	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	2.79	2.86	-	-	-	-	-	-	.68	4.07
Fenugreek	*	*	-	-	-	-	-	-	*	*
Spices	.63	.65	-	-	-	-	-	-	.20	1.20
Potatoes	*	*	-	-	-	-	-	-	*	*
Other Temporary	1.84	1.89	-	-	-	-	-	-	*	*
ALL TEMPORARY	96.68	99.13	3.37	100.00	*	*	*	*	16.51	98.74
Chat	-	-	-	-	-	-	-	-	-	-
Coffee	*	*	-	-	*	*	-	-	.16	.96
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	-	-	-	-	-	-	-	-
Tobacco	.03	.03	-	-	-	-	-	-	*	*
Fruits	.07	.07	-	-	*	*	-	-	.01	.06
Other Permanent	*	*	-	-	-	-	-	-	*	*
TOTAL PERMANENT	*	*	-	-	*	*	-	-	.21	1.26
ALL CROPS	97.53	100.00	3.37	100.00	*	*	*	*	16.72	100.00

TABLE 1.8.2

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	44.41	69.66	.57	74.03	*	*	.79	97.53	4.33	80.04
Teff	6.62	10.38	-	-	-	-	-	-	1.03	19.04
Barely	*	*	-	-	-	-	-	-	-	-
Wheat	*	*	-	-	-	-	-	-	-	-
Maize	11.21	17.58	.57	74.03	*	*	.75	92.59	3.09	57.12
Sorghum	25.01	39.23	-	-	*	*	*	*	*	*
Millet	1.42	2.23	-	-	-	-	*	*	*	*
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	.58	.91	-	-	-	-	-	-	*	*
Horse Beans	*	*	-	-	-	-	-	-	-	-
Field Peas	*	*	-	-	-	-	-	-	-	-
Haricot Beans	.21	.33	-	-	-	-	-	-	*	*
Chick Peas	*	*	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	15.32	24.03	-	-	*	*	*	*	.05	.92
Neug	12.85	20.16	-	-	*	*	*	*	*	*
Lin Seed	.21	.33	-	-	-	-	-	-	.02	.37
Rape seed	*	*	-	-	-	-	-	-	-	-
Ground Nuts	.90	1.41	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	1.34	2.10	-	-	-	-	-	-	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	2.38	3.73	-	-	-	-	-	-	.73	13.49
Fenugreek	-	-	-	-	-	-	-	-	-	-
Spices	1.12	1.76	-	-	-	-	-	-	.66	12.20
Potatoes	.01	.02	-	-	-	-	-	-	-	-
Other Temporary	1.24	1.95	-	-	-	-	-	-	.08	1.48
ALL TEMPORARY	62.68	98.32	.57	74.03	*	*	.81	100.00	5.13	94.82
Chat	.07	.11	-	-	*	*	-	-	.02	.37
Coffee	.41	.64	.20	25.97	*	*	-	-	.17	3.14
Enset	*	*	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	.04	.06	-	-	-	-	-	-	.01	.18
Fruits	.45	.71	-	-	-	-	-	-	.05	.92
Other Permanent	.08	.13	-	-	.01	*	-	-	.03	.55
TOTAL PERMANENT	1.07	1.68	.20	25.97	.02	*	-	-	.28	5.18
ALL CROPS	63.75	100.00	.77	100.00	*	*	.81	100.00	5.41	100.00

TABLE 1.8.3

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001 (1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	14.93	80.66	.56	100.00	-	-	.04	100.00	.94	94.00
Teff	*	*	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-
Maize	4.74	25.61	.56	100.00	-	-	*	*	.94	94.00
Sorghum	8.73	47.16	-	-	-	-	*	*	-	-
Millet	.81	4.38	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	.45	2.43	-	-	-	-	-	-	*	*
Horse Beans	*	*	-	-	-	-	-	-	-	-
Field Peas	*	*	-	-	-	-	-	-	-	-
Haricot Beans	.40	2.16	-	-	-	-	-	-	*	*
Chick Peas	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	2.81	15.18	-	-	-	-	-	-	*	*
Neug	.61	3.30	-	-	-	-	-	-	*	*
Lin Seed	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	.03	.16	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	-	-	-	-
Sesame	2.16	11.67	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.17	.92	-	-	-	-	-	-	*	*
Fenugreek	.02	.11	-	-	-	-	-	-	-	-
Spices	.03	.16	-	-	-	-	-	-	-	-
Potatoes	.02	.11	-	-	-	-	-	-	-	-
Other Temporary	.11	.59	-	-	-	-	-	-	*	*
ALL TEMPORARY	18.36	99.19	.56	100.00	-	-	.04	100.00	1.00	100.00
Chat	-	-	-	-	-	-	-	-	-	-
Coffee	*	*	-	-	-	-	-	-	-	-
Enset	.01	.05	-	-	-	-	-	-	-	-
Cotton	.04	.22	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	.15	.81	-	-	-	-	-	-	-	-
ALL CROPS	18.51	100.00	.56	100.00	-	-	.04	100.00	1.00	100.00

TABLE 1.9

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	904.75	59.80	76.53	93.11	3.31	42.38	126.90	94.51	386.46	55.73
Teff	174.36	11.52	3.84	4.67	.34	4.35	52.01	38.74	81.54	11.76
Barely	118.40	7.83	*	*	-	-	3.76	2.80	31.58	4.55
Wheat	105.79	6.99	8.57	10.43	*	*	65.87	49.06	82.79	11.94
Maize	344.80	22.79	63.76	77.58	1.99	25.48	2.56	1.91	173.24	24.98
Sorghum	153.80	10.17	*	*	.93	11.91	1.19	.89	15.39	2.22
Millet	7.52	.50	-	-	-	-	1.51	1.12	1.89	.27
Oats	.09	.01	-	-	-	-	-	-	*	*
PULSES	161.94	10.70	*	*	.33	4.23	.75	.56	51.02	7.36
Horse Beans	52.15	3.45	*	*	*	*	.41	.31	17.20	2.48
Field Peas	42.38	2.80	-	-	*	*	*	*	*	*
Haricot Beans	58.86	3.89	*	*	.31	3.97	*	*	23.63	3.41
Chick Peas	6.70	.44	-	-	-	-	*	*	9.13	1.32
Lentils	.61	.04	-	-	-	-	*	*	.23	.03
Vetch	*	*	-	-	-	-	-	-	*	*
OILSEEDS	5.93	.39	-	-	*	*	*	*	1.82	.26
Neug	*	*	-	-	-	-	*	*	*	*
Lin Seed	1.51	.10	-	-	-	-	*	*	.14	.02
Rape seed	2.17	.14	-	-	*	*	-	-	1.32	.19
Ground Nuts	.07	*	-	-	-	-	-	-	*	*
Sun Flower	.42	.03	-	-	-	-	-	-	*	*
Sesame	*	*	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	104.69	6.92	.17	.21	.27	3.46	4.71	3.51	62.30	8.98
Fenugreek	.20	.01	-	-	-	-	*	*	*	*
Spices	25.22	1.67	-	-	-	-	4.39	3.27	15.77	2.27
Potatoes	12.19	.81	-	-	*	*	*	*	8.08	1.17
Other Temporary	67.08	4.43	.17	.21	.24	3.07	*	*	38.32	5.53
ALL TEMPORARY	1,177.30	77.81	76.90	93.56	3.93	50.32	132.49	98.67	501.60	72.34
Chat	21.56	1.42	-	-	.08	1.02	1.70	1.27	9.44	1.36
Coffee	102.32	6.76	5.28	6.42	1.67	21.38	*	*	31.47	4.54
Enset	192.66	12.73	-	-	1.15	14.72	*	*	145.83	21.03
Cotton	3.22	.21	-	-	*	*	-	-	.84	.12
Tobacco	.87	.06	*	*	-	-	-	-	.31	.04
Fruits	8.65	.57	-	-	*	*	-	-	1.75	.25
Other Permanent	6.43	.42	-	-	.07	.90	*	*	2.19	.32
TOTAL PERMANENT	335.70	22.19	5.29	6.44	3.88	49.68	1.77	1.32	191.84	27.67
ALL CROPS	1,513.01	100.00	82.19	100.00	7.81	100.00	134.27	100.00	693.43	100.00

TABLE 1.9.1

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Gurage

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	145.20	65.72	22.20	99.82	*	*	33.55	90.21	97.19	63.94
Teff	38.23	17.30	*	*	-	-	*	*	28.18	18.54
Barely	23.00	10.41	-	-	-	-	1.31	3.52	20.40	13.42
Wheat	19.59	8.87	4.55	20.46	-	-	11.96	32.16	16.86	11.09
Maize	47.81	21.64	17.09	76.84	*	*	*	*	29.86	19.65
Sorghum	16.52	7.48	-	-	*	*	*	*	1.87	1.23
Millet	*	*	-	-	-	-	-	-	-	-
Oats	*	*	-	-	-	-	-	-	*	*
PULSES	23.40	10.59	-	-	-	-	*	*	12.74	8.38
Horse Beans	8.48	3.84	-	-	-	-	*	*	5.78	3.80
Field Peas	*	*	-	-	-	-	-	-	*	*
Haricot Beans	*	*	-	-	-	-	-	-	.56	.37
Chick Peas	*	*	-	-	-	-	*	*	*	*
Lentils	*	*	-	-	-	-	-	-	*	*
Vetch	*	*	-	-	-	-	-	-	*	*
OILSEEDS	2.22	1.00	-	-	-	-	*	*	.54	.36
Neug	*	*	-	-	-	-	*	*	*	*
Lin Seed	.23	.10	-	-	-	-	-	-	*	*
Rape seed	.36	.16	-	-	-	-	-	-	.26	.17
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	12.95	5.86	*	*	-	-	*	*	8.82	5.80
Fenugreek	*	*	-	-	-	-	-	-	-	-
Spices	8.15	3.69	-	-	-	-	*	*	4.99	3.28
Potatoes	1.42	.64	-	-	-	-	-	-	1.29	.85
Other Temporary	3.38	1.53	*	*	-	-	*	*	2.54	1.67
ALL TEMPORARY	183.77	83.18	22.21	99.87	*	*	36.92	99.27	119.30	78.49
Chat	5.28	2.39	-	-	*	*	*	*	3.57	2.35
Coffee	2.20	1.00	*	*	*	*	-	-	1.84	1.21
Enset	27.96	12.66	-	-	*	*	*	*	26.52	17.45
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	-	-	-	-	-	-	*	*
Fruits	.29	.13	-	-	-	-	-	-	.18	.12
Other Permanent	*	*	-	-	-	-	*	*	*	*
TOTAL PERMANENT	37.16	16.82	*	*	*	*	*	*	32.70	21.51
ALL CROPS	220.93	100.00	22.24	100.00	.34	100.00	37.19	100.00	151.99	100.00

TABLE 1.9.2

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Hadiya

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	111.29	73.30	8.55	97.94	*	*	59.80	99.11	92.30	73.04
Teff	23.06	15.19	2.34	26.80	-	-	19.23	31.87	22.26	17.61
Barely	4.72	3.11	-	-	-	-	1.86	3.08	4.48	3.55
Wheat	43.33	28.54	1.80	20.62	-	-	38.46	63.74	43.03	34.05
Maize	28.55	18.80	4.41	50.52	*	*	*	*	20.80	16.46
Sorghum	11.24	7.40	-	-	-	-	*	*	1.53	1.21
Millet	*	*	-	-	-	-	*	*	.20	.16
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	9.60	6.32	*	*	*	*	*	*	8.47	6.70
Horse Beans	6.41	4.22	*	*	-	-	*	*	6.09	4.82
Field Peas	1.98	1.30	-	-	-	-	-	-	*	*
Haricot Beans	1.03	.68	-	-	*	*	-	-	.70	.55
Chick Peas	*	*	-	-	-	-	-	-	1.57	1.24
Lentils	*	*	-	-	-	-	*	*	*	*
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.74	.49	-	-	-	-	*	*	.31	.25
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	.28	.18	-	-	-	-	*	*	.09	.07
Rape seed	.46	.30	-	-	-	-	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	8.56	5.64	*	*	*	*	*	*	6.12	4.84
Fenugreek	*	*	-	-	-	-	-	-	-	-
Spices	*	*	-	-	-	-	*	*	.70	.55
Potatoes	.76	.50	-	-	-	-	*	*	.69	.55
Other Temporary	6.57	4.33	*	*	*	*	*	*	4.72	3.74
ALL TEMPORARY	130.20	85.75	8.72	99.89	*	*	60.09	99.59	107.19	84.82
Chat	1.51	.99	-	-	-	-	.23	.38	1.11	.88
Coffee	3.58	2.36	*	*	*	*	*	*	2.39	1.89
Enset	15.71	10.35	-	-	*	*	-	-	15.24	12.06
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	.16	.11	-	-	-	-	-	-	.10	.08
Fruits	.20	.13	-	-	-	-	-	-	.13	.10
Other Permanent	.48	.32	-	-	-	-	-	-	.20	.16
TOTAL PERMANENT	21.63	14.25	*	*	*	*	.24	.40	19.18	15.18
ALL CROPS	151.83	100.00	8.73	100.00	.21	100.00	60.34	100.00	126.37	100.00

TABLE 1.9.3

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Kembata Alaba Tembaro

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	72.79	68.33	5.43	99.27	*	*	23.58	93.65	49.51	63.42
Teff	11.77	11.05	.46	8.41	*	*	7.57	30.06	10.78	13.81
Barely	1.53	1.44	-	-	-	-	.44	1.75	.98	1.26
Wheat	17.45	16.38	.39	7.13	-	-	14.10	56.00	14.51	18.59
Maize	33.18	31.15	4.58	83.73	*	*	*	*	19.89	25.48
Sorghum	6.69	6.28	-	-	-	-	*	*	1.72	2.20
Millet	2.15	2.02	-	-	-	-	1.32	5.24	1.62	2.08
Oats	*	*	-	-	-	-	-	-	*	*
PULSES	5.27	4.95	-	-	-	-	-	-	3.99	5.11
Horse Beans	*	*	-	-	-	-	-	-	*	*
Field Peas	.42	.39	-	-	-	-	-	-	*	*
Haricot Beans	1.63	1.53	-	-	-	-	-	-	.84	1.08
Chick Peas	.15	.14	-	-	-	-	-	-	.39	.50
Lentils	*	*	-	-	-	-	-	-	.04	.05
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.38	.36	-	-	-	-	-	-	.19	.24
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	.11	.10	-	-	-	-	-	-	-	-
Rape seed	.27	.25	-	-	-	-	-	-	.19	.24
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	16.77	15.74	*	*	-	-	1.55	6.16	14.42	18.47
Fenugreek	.15	.14	-	-	-	-	*	*	*	*
Spices	9.50	8.92	-	-	-	-	1.50	5.96	8.88	11.37
Potatoes	1.40	1.31	-	-	-	-	-	-	1.13	1.45
Other Temporary	5.72	5.37	*	*	-	-	.03	.12	4.31	5.52
ALL TEMPORARY	95.21	89.37	5.46	99.82	*	*	25.13	99.80	68.11	87.24
Chat	1.02	.96	-	-	-	-	*	*	.71	.91
Coffee	2.93	2.75	-	-	*	*	-	-	2.52	3.23
Enset	6.47	6.07	-	-	-	-	-	-	6.27	8.03
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	-	-	-	-	-	-	.06	.08
Fruits	.31	.29	-	-	-	-	-	-	.19	.24
Other Permanent	.43	.40	-	-	-	-	-	-	.22	.28
TOTAL PERMANENT	11.33	10.64	-	-	*	*	*	*	9.96	12.76
ALL CROPS	106.53	100.00	5.47	100.00	*	*	25.18	100.00	78.07	100.00

TABLE 1.9.4

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Sidama

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	69.55	32.64	12.54	81.38	*	*	*	*	30.49	28.34
Teff	2.82	1.32	*	*	-	-	-	-	1.82	1.69
Barely	13.10	6.15	-	-	-	-	-	-	*	*
Wheat	*	*	-	-	-	-	-	-	*	*
Maize	48.13	22.59	12.22	79.30	*	*	*	*	27.06	25.15
Sorghum	.89	.42	-	-	-	-	-	-	.17	.16
Millet	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	20.50	9.62	-	-	-	-	*	*	8.36	7.77
Horse Beans	4.28	2.01	-	-	-	-	*	*	*	*
Field Peas	*	*	-	-	-	-	-	-	-	-
Haricot Beans	13.62	6.39	-	-	-	-	*	*	7.86	7.31
Chick Peas	*	*	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	-	-	-	-	-	-	.60	.56
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	*	*	-	-	-	-	-	-	-	-
Rape seed	*	*	-	-	-	-	-	-	.60	.56
Ground Nuts	*	*	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	9.52	4.47	*	*	*	*	*	*	6.39	5.94
Fenugreek	-	-	-	-	-	-	-	-	-	-
Spices	*	*	-	-	-	-	-	-	*	*
Potatoes	*	*	-	-	-	-	-	-	*	*
Other Temporary	9.11	4.28	*	*	*	*	*	*	6.07	5.64
ALL TEMPORARY	100.49	47.16	12.61	81.83	*	*	*	*	45.84	42.61
Chat	12.67	5.95	-	-	-	-	1.21	64.71	3.84	3.57
Coffee	35.99	16.89	2.79	18.11	*	*	-	-	12.04	11.19
Enset	59.77	28.05	-	-	.13	48.15	-	-	44.56	41.42
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	.18	.08	*	*	-	-	-	-	*	*
Fruits	1.75	.82	-	-	-	-	-	-	*	*
Other Permanent	2.22	1.04	-	-	-	-	-	-	.56	.52
TOTAL PERMANENT	112.59	52.84	2.80	18.17	*	*	1.21	64.71	61.75	57.39
ALL CROPS	213.08	100.00	15.41	100.00	.27	100.00	1.87	100.00	107.59	100.00

TABLE 1.9.5

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1995 E.C.)

Gedio

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	14.53	28.08	*	*	-	-	*	*	4.24	38.58
Teff	*	*	-	-	-	-	-	-	*	*
Barely	3.95	7.63	*	*	-	-	-	-	*	*
Wheat	*	*	-	-	-	-	-	-	*	*
Maize	9.22	17.82	*	*	-	-	*	*	*	*
Sorghum	.07	.14	-	-	-	-	-	-	*	*
Millet	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	3.86	7.46	-	-	-	-	-	-	*	*
Horse Beans	2.55	4.93	-	-	-	-	-	-	*	*
Field Peas	.87	1.68	-	-	-	-	-	-	-	-
Haricot Beans	*	*	-	-	-	-	-	-	*	*
Chick Peas	-	-	-	-	-	-	-	-	*	*
Lentils	*	*	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.06	.12	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	.01	.02	-	-	-	-	-	-	-	-
Rape seed	*	*	-	-	-	-	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	3.06	5.91	*	*	-	-	-	-	1.27	11.56
Fenugreek	-	-	-	-	-	-	-	-	-	-
Spices	*	*	-	-	-	-	-	-	-	-
Potatoes	*	*	-	-	-	-	-	-	*	*
Other Temporary	2.82	5.45	*	*	-	-	-	-	1.25	11.37
ALL TEMPORARY	21.51	41.57	*	*	-	-	*	*	5.88	53.50
Chat	*	*	-	-	-	-	-	-	*	*
Coffee	16.16	31.23	.60	22.99	-	-	-	-	2.08	18.93
Enset	13.01	25.14	-	-	-	-	-	-	2.84	25.84
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	-	-	-	-	*	*
Other Permanent	.28	.54	-	-	-	-	-	-	*	*
TOTAL PERMANENT	30.24	58.43	.60	22.99	-	-	-	-	5.12	46.59
ALL CROPS	51.75	100.00	2.61	100.00	*	*	*	*	10.99	100.00

TABLE 1.9.6

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

North Omo

('000 HA)

TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	277.70	64.37	20.48	99.32	*	*	*	*	95.25	52.75
Teff	62.04	14.38	*	*	-	-	*	*	14.26	7.90
Barely	50.99	11.82	*	*	-	-	-	-	*	*
Wheat	8.49	1.97	*	*	*	*	-	-	5.73	3.17
Maize	116.02	26.89	19.29	93.55	*	*	-	-	66.25	36.69
Sorghum	39.48	9.15	*	*	-	-	-	-	4.75	2.63
Millet	*	*	-	-	-	-	-	-	*	*
Oats	*	*	-	-	-	-	-	-	-	-
PULSES	51.12	11.85	*	*	*	*	-	-	14.34	7.94
Horse Beans	11.03	2.56	-	-	-	-	-	-	*	*
Field Peas	*	*	-	-	-	-	-	-	*	*
Haricot Beans	23.06	5.35	*	*	*	*	-	-	11.80	6.54
Chick Peas	*	*	-	-	-	-	-	-	*	*
Lentils	*	*	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	-	-	-	-	-	-	*	*
Neug	*	*	-	-	-	-	-	-	-	-
Lin Seed	*	*	-	-	-	-	-	-	*	*
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	*	*	-	-	-	-	-	-	*	*
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	40.22	9.32	*	*	*	*	*	*	23.07	12.78
Fenugreek	*	*	-	-	-	-	-	-	*	*
Spices	*	*	-	-	-	-	-	-	*	*
Potatoes	7.33	1.70	-	-	*	*	*	*	4.50	2.49
Other Temporary	28.78	6.67	*	*	*	*	*	*	17.38	9.63
ALL TEMPORARY	369.73	85.70	20.51	99.47	*	*	*	*	132.71	73.50
Chat	*	*	-	-	-	-	-	-	-	-
Coffee	11.64	2.70	.10	.48	.29	*	-	-	8.19	4.54
Enset	43.53	10.09	-	-	*	*	-	-	38.41	21.27
Cotton	*	*	-	-	*	*	-	-	*	*
Tobacco	.25	.06	*	*	-	-	-	-	.08	.04
Fruits	*	*	-	-	*	*	-	-	.32	.18
Other Permanent	.67	.16	-	-	-	-	-	-	.46	.25
TOTAL PERMANENT	61.67	14.30	.11	.53	*	*	-	-	47.85	26.50
ALL CROPS	431.40	100.00	20.62	100.00	*	*	*	*	180.56	100.00

TABLE 1.9.7

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

South Omo

('000 HA)

TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	64.33	76.43	2.07	97.18	-	-	.14	93.33	1.84	38.49
Teff	5.91	7.02	-	-	-	-	-	*	-	*
Barely	*	*	-	-	-	-	-	-	-	-
Wheat	*	*	*	*	-	-	*	*	*	*
Maize	14.89	17.69	1.78	83.57	-	-	*	*	1.39	29.08
Sorghum	30.69	36.46	-	-	-	-	*	*	-	*
Millet	*	*	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	8.44	10.03	-	-	-	-	*	*	.17	3.56
Horse Beans	1.58	1.88	-	-	-	-	-	-	*	*
Field Peas	*	*	-	-	-	-	-	-	-	-
Haricot Beans	5.18	6.15	-	-	-	-	*	*	.16	3.35
Chick Peas	*	*	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.47	.56	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	*	*	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	*	*	-	-	-	-	-	-	-	-
Sun Flower	.38	.45	-	-	-	-	-	-	*	*
Sesame	*	*	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	2.76	3.28	*	*	*	*	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	-	-	-
Spices	.22	.26	-	-	-	-	-	-	-	-
Potatoes	.25	.30	-	-	-	-	-	-	-	-
Other Temporary	2.29	2.72	*	*	*	*	-	-	*	*
ALL TEMPORARY	76.00	90.29	2.08	97.65	*	*	.15	100.00	2.39	50.00
Chat	*	*	-	-	-	-	-	-	-	-
Coffee	3.57	4.24	*	*	.02	*	-	-	*	*
Enset	3.90	4.63	-	-	-	-	-	-	*	*
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	.03	.04	-	-	-	-	-	-	*	*
Fruits	.50	.59	-	-	-	-	-	-	-	-
Other Permanent	.15	.18	-	-	-	-	-	-	*	*
TOTAL PERMANENT	8.17	9.71	*	*	.02	*	-	-	*	*
ALL CROPS	84.17	100.00	2.13	100.00	*	*	.15	100.00	4.78	100.00

TABLE 1.9.8

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	65.67	52.12	.86	34.96	-	-	6.09	97.75	1.41	22.93
Teff	15.48	12.29	-	-	-	-	3.52	56.50	*	*
Barely	8.05	6.39	-	-	-	-	*	*	*	*
Wheat	5.16	4.10	.50	20.33	-	-	*	*	*	*
Maize	22.03	17.48	*	*	-	-	*	*	*	*
Sorghum	14.62	11.60	-	-	-	-	1.02	16.37	*	*
Millet	*	*	-	-	-	-	*	*	-	-
Oats	*	*	-	-	-	-	-	-	-	-
PULSES	22.01	17.47	*	*	-	-	*	*	.05	.81
Horse Beans	10.65	8.45	*	*	-	-	*	*	*	*
Field Peas	9.44	7.49	-	-	-	-	-	-	-	-
Haricot Beans	1.91	1.52	-	-	-	-	-	-	*	*
Chick Peas	-	-	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.23	.18	-	-	-	-	-	-	*	*
Neug	*	*	-	-	-	-	-	-	-	-
Lin Seed	*	*	-	-	-	-	-	-	-	-
Rape seed	*	*	-	-	-	-	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	4.54	3.60	*	*	*	*	-	-	.46	7.48
Fenugreek	-	-	-	-	-	-	-	-	-	-
Spices	*	*	-	-	-	-	-	-	-	-
Potatoes	*	*	-	-	-	-	-	-	-	-
Other Temporary	2.59	2.06	*	*	*	*	-	-	.46	7.48
ALL TEMPORARY	92.44	73.37	.89	36.18	*	*	6.23	100.00	1.93	31.38
Chat	.27	.21	-	-	-	-	-	-	-	-
Coffee	19.03	15.10	*	*	-	-	-	-	.12	1.95
Enset	13.54	10.75	-	-	.04	80.00	-	-	4.07	66.18
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	.40	.32	-	-	-	-	-	-	*	*
Other Permanent	.32	.25	-	-	-	-	-	-	*	*
TOTAL PERMANENT	33.55	26.63	*	*	.04	80.00	-	-	4.22	68.62
ALL CROPS	126.00	100.00	2.46	100.00	.05	100.00	6.23	100.00	6.15	100.00

TABLE 1.9.9

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Bench-Maji

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	27.14	59.85	1.15	92.74	-	-	.02	100.00	1.74	36.86
Teff	3.05	6.73	-	-	-	-	-	-	*	*
Barely	1.00	2.21	-	-	-	-	-	-	-	-
Wheat	.29	.64	*	*	-	-	-	-	*	*
Maize	12.96	28.58	1.08	87.10	-	-	.02	100.00	1.45	30.72
Sorghum	*	*	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	3.68	8.11	-	-	-	-	-	-	*	*
Horse Beans	1.94	4.28	-	-	-	-	-	-	*	*
Field Peas	.79	1.74	-	-	-	-	-	-	-	-
Haricot Beans	.94	2.07	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-
Rape seed	*	*	-	-	-	-	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	5.37	11.84	-	-	-	-	-	-	.94	19.92
Fenugreek	-	-	-	-	-	-	-	-	-	-
Spices	*	*	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-
Other Temporary	5.14	11.33	-	-	-	-	-	-	.94	19.92
ALL TEMPORARY	36.20	79.82	1.15	92.74	-	-	.02	100.00	2.71	57.42
Chat	.32	.71	-	-	-	-	-	-	.02	.42
Coffee	4.86	10.72	.09	7.26	.01	100.00	-	-	.56	11.86
Enset	3.07	6.77	-	-	-	-	-	-	1.33	28.18
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	.02	.04	-	-	-	-	-	-	-	-
Fruits	.59	1.30	-	-	-	-	-	-	.06	1.27
Other Permanent	.29	.64	-	-	-	-	-	-	.03	.64
TOTAL PERMANENT	9.15	20.18	.09	7.26	.01	100.00	-	-	2.01	42.58
ALL CROPS	45.35	100.00	1.24	100.00	.01	100.00	.02	100.00	4.72	100.00

TABLE 1.9.10

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Yem Special Wereda

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	12.25	69.29	1.01	99.02	*	*	1.25	99.21	5.18	65.16
Teff	4.29	24.26	*	*	*	*	.86	68.25	3.11	39.12
Barely	1.66	9.39	-	-	-	-	*	*	.24	3.02
Wheat	3.61	20.42	.17	16.67	-	-	.22	17.46	.63	7.92
Maize	2.06	11.65	.79	77.45	-	-	*	*	1.16	14.59
Sorghum	.60	3.39	-	-	-	-	-	-	.03	.38
Millet	*	*	-	-	-	-	-	-	*	*
Oats	.02	.11	-	-	-	-	-	-	-	-
PULSES	2.86	16.18	*	*	*	*	-	-	.86	10.82
Horse Beans	1.81	10.24	-	-	*	*	-	-	.55	6.92
Field Peas	.86	4.86	-	-	-	-	-	-	-	-
Haricot Beans	*	*	-	-	-	-	-	-	-	-
Chick Peas	*	*	-	-	-	-	-	-	.25	3.14
Lentils	.17	.96	-	-	-	-	-	-	.06	.75
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.09	.51	-	-	-	-	-	-	.01	.13
Neug	*	*	-	-	-	-	-	-	-	-
Lin Seed	*	*	-	-	-	-	-	-	-	-
Rape seed	.02	.11	-	-	-	-	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.23	1.30	-	-	-	-	-	-	.10	1.26
Fenugreek	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-
Potatoes	.04	.23	-	-	-	-	-	-	.02	.25
Other Temporary	.19	1.07	-	-	-	-	-	-	.08	1.01
ALL TEMPORARY	15.43	87.27	1.02	100.00	*	*	1.25	99.21	6.16	77.48
Chat	.07	.40	-	-	-	-	-	-	.05	.63
Coffee	.10	.57	-	-	-	-	-	-	.05	.63
Enset	2.03	11.48	-	-	-	-	-	-	1.68	21.13
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	.01	.06	-	-	-	-	-	-	-	-
Other Permanent	.04	.23	-	-	-	-	-	-	.01	.13
TOTAL PERMANENT	2.25	12.73	-	-	-	-	-	-	1.79	22.52
ALL CROPS	17.68	100.00	1.02	100.00	.03	100.00	1.26	100.00	7.95	100.00

TABLE 1.9.11

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	5.36	42.81	*	*	.67	22.79	.32	91.43	.17	3.98
Teff	2.00	15.97	-	-	.21	7.14	.26	74.29	.01	.23
Barely	1.38	11.02	-	-	-	-	-	-	*	*
Wheat	.51	4.07	-	-	-	-	-	-	*	*
Maize	1.00	7.99	*	*	.41	13.95	.06	17.14	.11	2.58
Sorghum	*	*	-	-	*	*	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	1.72	13.74	-	-	*	*	.03	8.57	*	*
Horse Beans	.33	2.64	-	-	-	-	-	-	*	*
Field Peas	.74	5.91	-	-	-	-	.03	8.57	-	-
Haricot Beans	.35	2.80	-	-	*	*	-	-	.03	.70
Chick Peas	*	*	-	-	-	-	-	-	*	*
Lentils	.08	.64	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	-	-	*	*	-	-	*	*
Neug	*	*	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-
Rape seed	*	*	-	-	*	*	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.27	2.16	-	-	.05	1.70	-	-	.18	4.22
Fenugreek	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-
Other Temporary	.27	2.16	-	-	.05	1.70	-	-	.18	4.22
ALL TEMPORARY	7.38	58.95	*	*	.76	25.85	.35	100.00	.46	10.77
Chat	.08	.64	-	-	.07	2.38	-	-	*	*
Coffee	1.85	14.78	.01	*	1.22	41.50	-	-	1.12	26.23
Enset	2.99	23.88	-	-	.76	25.85	-	-	2.57	60.19
Cotton	*	*	-	-	*	*	-	-	*	*
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	.05	.40	-	-	*	*	-	-	*	*
Other Permanent	.09	.72	-	-	.06	2.04	-	-	.05	1.17
TOTAL PERMANENT	5.14	41.05	.01	*	2.17	73.81	-	-	3.81	89.23
ALL CROPS	12.52	100.00	*	*	2.94	100.00	.35	100.00	4.27	100.00

TABLE 1.9.12

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Burji Special Wereda

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	3.09	57.87	.03	75.00	*	*	.07	77.78	.12	25.53
Teff	.84	15.73	-	-	-	-	.06	66.67	*	*
Barely	.32	5.99	-	-	-	-	-	-	.01	2.13
Wheat	.50	9.36	-	-	-	-	*	*	.01	2.13
Maize	.38	7.12	.03	75.00	-	-	-	-	.02	4.26
Sorghum	1.05	19.66	-	-	-	-	-	-	*	*
Millet	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	1.74	32.58	-	-	-	-	*	*	*	*
Horse Beans	*	*	-	-	-	-	-	-	-	-
Field Peas	*	*	-	-	-	-	*	*	-	-
Haricot Beans	1.41	26.40	-	-	-	-	*	*	*	*
Chick Peas	.26	4.87	-	-	-	-	-	-	-	-
Lentils	.03	.56	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.02	.37	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	.01	.19	-	-	-	-	-	-	-	-
Rape seed	.01	.19	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.06	1.12	-	-	-	-	-	-	*	*
Fenugreek	.01	.19	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-
Potatoes	.01	.19	-	-	-	-	-	-	-	-
Other Temporary	.04	.75	-	-	-	-	-	-	*	*
ALL TEMPORARY	4.92	92.13	.03	75.00	*	*	.09	100.00	.20	42.55
Chat	-	-	-	-	-	-	-	-	-	-
Coffee	.07	1.31	.01	25.00	*	*	-	-	.04	8.51
Enset	.33	6.18	-	-	*	*	-	-	.23	48.94
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	.01	.19	-	-	-	-	-	-	-	-
Other Permanent	.02	.37	-	-	-	-	-	-	-	-
TOTAL PERMANENT	.43	8.05	.01	25.00	*	*	-	-	.27	57.45
ALL CROPS	5.34	100.00	.04	100.00	*	*	.09	100.00	.47	100.00

TABLE 1.9.13

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

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TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	22.02	75.72	*	*	1.23	90.44	*	*	6.69	74.50
Teff	3.21	11.04	-	-	-	-	*	*	*	*
Barely	.16	.55	-	-	-	-	-	-	*	*
Wheat	*	*	-	-	-	-	-	-	-	-
Maize	5.11	17.57	*	*	.60	44.12	-	-	*	*
Sorghum	13.45	46.25	*	*	.62	45.59	-	-	4.74	52.78
Millet	.04	.14	-	-	-	-	-	-	*	*
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	5.37	18.47	-	-	.12	8.82	-	-	1.48	16.48
Horse Beans	*	*	-	-	-	-	-	-	-	-
Field Peas	.07	.24	-	-	*	*	-	-	-	-
Haricot Beans	4.85	16.68	-	-	.11	8.09	-	-	1.47	16.37
Chick Peas	*	*	-	-	-	-	-	-	.01	.11
Lentils	*	*	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.02	.07	-	-	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	.02	.07	-	-	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.24	.83	-	-	-	-	-	-	.16	1.78
Fenugreek	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-
Potatoes	.17	.58	-	-	-	-	-	-	*	*
Other Temporary	.06	.21	-	-	-	-	-	-	.03	.33
ALL TEMPORARY	27.65	95.08	*	*	1.35	99.26	*	*	8.33	92.76
Chat	*	*	-	-	-	-	-	-	*	*
Coffee	.21	.72	-	-	-	-	-	*	.14	1.56
Enset	*	*	-	-	-	-	-	-	*	*
Cotton	1.08	3.71	-	-	-	-	-	-	.46	5.12
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	-	-	-	-	-	-
Other Permanent	.04	.14	-	-	*	*	-	-	.01	.11
TOTAL PERMANENT	1.44	4.95	-	-	*	*	-	-	.65	7.24
ALL CROPS	29.08	100.00	*	*	1.36	100.00	*	*	8.98	100.00

TABLE 1.9.14

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Derashe Special Wereda

('000 HA)

TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	13.84	79.82	.01	50.00	*	*	*	*	.32	59.26
Teff	1.18	6.81	-	-	*	*	*	*	*	*
Barely	.74	4.27	-	-	-	-	-	-	-	-
Wheat	.29	1.67	-	-	-	-	-	-	-	-
Maize	3.45	19.90	.01	50.00	*	*	-	-	*	*
Sorghum	8.19	47.23	-	-	.16	*	-	-	.21	38.89
Millet	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	2.37	13.67	-	-	*	*	-	-	*	*
Horse Beans	.07	.40	-	-	-	-	-	-	-	-
Field Peas	.19	1.10	-	-	-	-	-	-	*	*
Haricot Beans	1.32	7.61	-	-	*	*	-	-	*	*
Chick Peas	.75	4.33	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	-	-	-	-	-	-
Vetch	*	*	-	-	-	-	-	-	-	-
OILSEEDS	*	*	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-
Rape seed	*	*	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.15	.87	-	-	-	-	-	-	.02	3.70
Fenugreek	-	-	-	-	-	-	-	-	-	-
Spices	.01	.06	-	-	-	-	-	-	-	-
Potatoes	.02	.12	-	-	-	-	-	-	-	-
Other Temporary	.13	.75	-	-	-	-	-	-	.02	3.70
ALL TEMPORARY	16.38	94.46	.01	50.00	*	*	*	*	.40	74.07
Chat	*	*	-	-	-	-	-	-	-	-
Coffee	.12	.69	-	-	-	-	-	-	.02	3.70
Enset	.33	1.90	-	-	-	-	-	-	.10	18.52
Cotton	.45	2.60	-	-	*	*	-	-	*	*
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	.01	.06	-	-	-	-	-	-	-	-
Other Permanent	.03	.17	-	-	-	-	-	-	-	-
TOTAL PERMANENT	.96	5.54	-	-	*	*	-	-	.14	25.93
ALL CROPS	17.34	100.00	.02	100.00	*	*	*	*	.54	100.00

TABLE 1.10

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Gambela

('000 HA)

TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	13.44	57.36	*	*	-	-	.04	66.67	.14	*
Teff	-	-	-	-	-	-	-	-	-	-
Barely	-	*	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-
Maize	8.79	37.52	*	*	-	-	.02	33.33	*	*
Sorghum	4.54	19.38	*	*	-	-	*	*	*	*
Millet	*	*	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	*	*	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-
Haricot Beans	*	*	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	.03	.13	*	*	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	3.02	12.89	*	*	-	-	*	*	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-
Spices	*	*	-	-	-	-	-	-	-	-
Potatoes	*	*	-	-	-	-	-	-	-	-
Other Temporary	2.64	11.27	*	*	-	-	*	*	-	-
ALL TEMPORARY	17.27	73.71	*	*	-	-	.06	100.00	.14	*
Chat	.03	.13	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	-	-	-	-	*	*
Enset	.27	1.15	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-
Tabaco	*	*	-	-	-	-	-	-	-	-
Fruits	.37	1.58	-	-	-	-	-	-	-	-
Other Permanent	.09	.38	-	-	-	-	-	-	-	-
TOTAL PERMANENT	6.16	26.29	*	*	-	-	-	-	*	*
ALL CROPS	23.43	100.00	*	*	-	-	.06	100.00	*	*

TABLE 1.11

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Harari

('000 HA)

TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	6.40	60.26	.16	88.89	.28	47.46	.17	54.84	4.23	64.68
Teff	-	-	-	-	-	-	-	-	-	-
Barely	.06	.56	-	-	-	-	-	-	.04	.61
Wheat	.27	2.54	.08	44.44	-	-	-	-	.26	3.98
Maize	1.08	10.17	.08	44.44	.06	10.17	.03	9.68	.79	12.08
Sorghum	4.99	46.99	-	-	.22	37.29	.14	45.16	3.13	47.86
Millet	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	.09	.85	.01	5.56	.01	1.69	-	-	.07	1.07
Horse Beans	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	*	*
Haricot Beans	.06	.56	*	*	-	-	-	-	.05	.76
Chick Peas	.02	.19	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	1.19	11.21	-	-	*	*	*	*	.32	4.89
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	1.18	11.11	-	-	*	*	*	*	.32	4.89
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.18	1.69	-	-	.01	1.69	-	-	.12	1.83
Fenugreek	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-
Potatoes	*	*	-	-	-	-	-	-	*	*
Other Temporary	.15	1.41	-	-	.01	1.69	-	-	.10	1.53
ALL TEMPORARY	7.86	74.01	.17	94.44	.32	54.24	*	*	4.73	72.32
Chat	2.55	24.01	-	-	.20	33.90	.10	32.26	1.77	27.06
Coffee	.03	.28	*	*	*	*	-	-	.02	.31
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	.14	1.32	-	-	.02	3.39	-	-	.03	.46
Other Permanent	*	*	-	-	*	*	-	-	-	-
TOTAL PERMANENT	2.76	25.99	*	*	.27	45.76	.10	32.26	1.81	27.68
ALL CROPS	10.62	100.00	.18	100.00	.59	100.00	.31	100.00	6.54	100.00

TABLE 1.12

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Addis Ababa

('000 HA)

TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	9.52	78.74	.49	89.09	-	-	.81	93.10	9.31	90.83
Teff	5.29	43.76	.18	32.73	-	-	.72	82.76	5.26	51.32
Barely	.17	1.41	-	-	-	-	-	-	*	*
Wheat	3.99	33.00	.31	56.36	-	-	.09	10.34	3.96	38.63
Maize	.03	.25	-	-	-	-	-	-	.01	.10
Sorghum	.02	.17	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-
Oats	.01	.08	-	-	-	-	-	-	-	-
PULSES	2.05	16.96	-	-	-	-	-	-	.61	5.95
Horse Beans	.13	1.08	-	-	-	-	-	-	*	*
Field Peas	.02	.17	-	-	-	-	-	-	.28	2.73
Haricot Beans	-	-	-	-	-	-	-	-	-	-
Chick Peas	.83	6.87	-	-	-	-	-	-	-	-
Lentils	.21	1.74	-	-	-	-	-	-	.08	.78
Vetch	.87	7.20	-	-	-	-	-	-	.21	2.05
OILSEEDS	.01	.08	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	.01	.08	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.49	4.05	*	*	*	*	*	*	*	*
Fenugreek	.10	.83	-	-	-	-	-	-	.05	.49
Spices	-	-	-	-	-	-	-	-	-	-
Potatoes	*	*	-	-	-	-	-	-	-	-
Other Temporary	*	*	*	*	*	*	*	*	*	*
ALL TEMPORARY	12.07	99.83	.55	100.00	*	*	.87	100.00	10.25	100.00
Chat	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-
Other Permanent	.01	.08	-	-	-	-	-	-	-	-
TOTAL PERMANENT	.01	.08	-	-	-	-	-	-	-	-
ALL CROPS	12.09	100.00	.55	100.00	*	*	.87	100.00	10.25	100.00

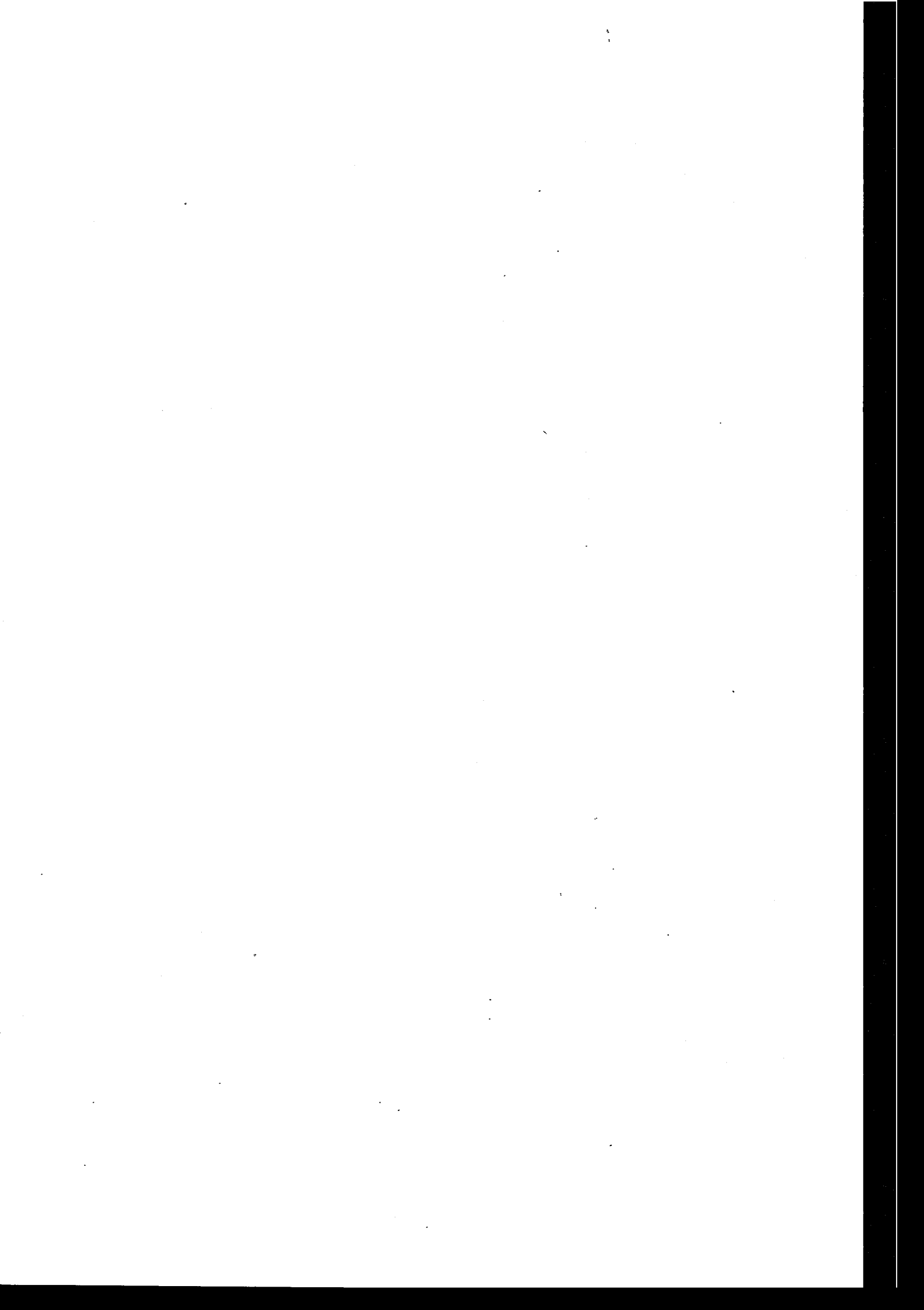
TABLE 1.13

ESTIMATE OF IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA AND THEIR
PERCENTAGE DISTRIBUTION BY CROP FOR MEHER SEASON OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Dire Dawa

('000 HA)

TYPE OF CROP	TOTAL CROP		IMPROVED SEED APPLIED		IRRIGATED		PESTICIDE APPLIED		FERTILIZER APPLIED	
	AREA	%	AREA	%	AREA	%	AREA	%	AREA	%
CEREALS	7.45	80.45	.11	91.67	.74	58.73	*	*	1.99	74.53
Teff	-	-	-	-	-	-	-	-	-	-
Barely	*	*	-	-	-	-	-	-	-	-
Wheat	*	*	-	-	-	-	-	-	-	-
Maize	.37	4.00	-	-	.07	5.56	-	-	.14	5.24
Sorghum	7.06	76.24	.11	91.67	.66	52.38	*	*	1.84	68.91
Millet	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-
PULSES	.51	5.51	-	-	.03	2.38	-	-	.19	7.12
Horse Beans	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-
Haricot Beans	.51	5.51	-	-	.03	2.38	-	-	.19	7.12
Chick Peas	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.06	.65	-	-	-	-	-	-	.03	1.12
Neug	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-
Ground Nuts	*	*	-	-	-	-	-	-	*	*
Sun Flower	-	-	-	-	-	-	-	-	-	-
Sesame	.02	.22	-	-	-	-	-	-	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-
OTHERS	.14	1.51	-	-	.05	3.97	-	-	.05	1.87
Fenugreek	-	-	-	-	-	-	-	-	-	-
Spices	*	*	-	-	*	*	-	-	*	*
Potatoes	*	*	-	-	-	-	-	-	-	-
Other Temporary	.12	1.30	-	-	.05	3.97	-	-	.04	1.50
ALL TEMPORARY	8.16	88.12	.12	100.00	.82	65.08	.05	71.43	2.26	84.64
Chat	.80	8.64	-	-	.18	14.29	.01	14.29	.28	10.49
Coffee	.06	.65	.01	8.33	.06	4.76	-	-	.02	.75
Enset	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	*	*	*	*	*	*
Other Permanent	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	1.10	11.88	.01	8.33	.44	34.92	*	*	.41	15.36
ALL CROPS	9.26	100.00	.12	100.00	1.26	100.00	.07	100.00	2.67	100.00



2. TOTAL FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER AND CROP

The three types of fertilizers most commonly used by the private peasants during the survey year were Natural, DAP and UREA. These types of fertilizers were used separately or in combination with one another, i.e. only Natural, DAP, or UREA, DAP mixed with UREA and Natural mixed with UREA or DAP.

As shown in summary Table B below, among the types of fertilizers used DAP was applied in larger cultivated crop area. Natural fertilizers and UREA were also applied to a considerable amount of crop area. In contrast, the area on which a mixture of Natural and Chemical fertilizers was applied was estimated to be very small at national level.

Summary Table B. Total Fertilizer Applied Area by Type of Fertilizer

Fertilizer type	Applied area ('000 HA)	Percent
Natural	882.70	22.35
DAP	1216.25	30.80
UREA	131.51	3.33
DAP+UREA	1592.57	40.32
Natural + Chemical	126.45	3.20
Total	3949.48	100.00

2.1 Natural Fertilizer Applied Area

Out of the total fertilizer applied area, which is 3.95 million hectares, Natural fertilizer was applied to 882.70 thousand hectares (22.35%). Of this area temporary and permanent crops accounted for about 644.98 thousand and 237.72 thousand hectares, respectively. See Table 2.1

2.2 DAP Applied Area

The total DAP applied area was 1.22 million hectares, (30.80%) of the total fertilizer applied area at national level. Area under temporary and permanent crops accounted for 1.21 million and 9.33 thousand hectares of the total DAP applied area, respectively. Out of the total DAP applied area under temporary crops the largest was area under teff which accounted for 360.61 thousand hectares (29.65%). On the other hand area under coffee was the largest DAP applied area (about 5.21 thousand hectares) of all DAP applied area under permanent crops.

2.3 UREA Applied Area

As presented in Table 2.1 of the total fertilizer applied area, total UREA applied area was about 131.51 thousand hectares (3.33%). UREA applied to temporary and permanent crop areas accounted for about 127.21 thousand hectares (96.73%) and 4.30 thousand hectares (3.27%), respectively.

2.4 Area with a Combination of DAP and UREA Applied

Out of the total fertilizer applied area, the mixture of DAP and UREA was applied on an estimated area of 1.59 million hectares (40.32%). Temporary and permanent crop areas where the mixture of DAP and UREA was applied accounted for 1.58 million hectares (99.33%) and about 10.63 thousand hectares (0.67%) of the total DAP+UREA applied area, respectively. Of all the mixture of DAP and UREA applied area under temporary crops, area under teff was the largest with about 664.19 thousand hectares (41.71%) while area under Coffee was the largest with about 6.13 thousand hectares (57.67%) of all permanent crops.

2.5 Area with a Combination of Natural and Chemical Fertilizers Applied

Out of the total fertilizer applied area, the mixture of Natural fertilizer and Chemical fertilizer was applied on only 126.45 thousand hectares (3.20%). Temporary and permanent crop areas with a mixture of Natural and Chemical fertilizers accounted for 118.24 thousand hectares (93.51%) and about 8.21 thousand hectares (6.49%), respectively.

TABLE 2.1

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1995 E.C.)

National

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	3,339.73	84.56	496.89	56.29	1,087.90	89.45	117.83	89.59	1,533.03	96.26	104.07	82.31
Teff	1,146.46	29.03	33.77	3.83	360.61	29.65	71.11	54.07	664.19	41.70	16.78	13.27
Barely	315.39	7.99	48.16	5.46	180.93	14.88	4.56	3.47	70.64	4.44	11.09	8.77
Wheat	746.76	18.91	22.87	2.59	311.71	25.63	12.18	9.26	379.02	23.80	20.98	16.59
Maize	843.64	21.36	290.47	32.91	128.92	10.60	20.11	15.29	359.85	22.59	44.28	35.02
Sorghum	131.94	3.34	92.15	10.44	8.52	.70	6.50	4.94	16.80	1.05	7.97	6.30
Millet	143.04	3.62	8.76	.99	86.61	7.12	3.29	2.50	41.42	2.60	2.95	2.33
Oats	12.51	.32	.72	.08	10.60	.87	*	*	1.10	.07	*	*
PULSES	172.58	4.37	56.70	6.42	83.90	6.90	3.32	2.52	22.11	1.39	6.55	5.18
Horse Beans	87.31	2.21	33.53	3.80	42.16	3.47	.75	.57	7.28	.46	3.58	2.83
Field Peas	5.19	.13	3.83	.43	22.39	1.84	.53	.40	3.30	.21	*	*
Haricot Beans	39.73	1.01	15.75	1.78	13.89	1.14	1.51	1.15	6.25	.39	2.32	1.83
Chick Peas	30.66	.78	2.22	.25	1.72	.14	*	*	.92	.06	*	*
Lentils	7.56	.19	.67	.08	2.84	.23	*	*	*	*	*	*
Vetch	2.14	.05	.70	.08	.90	.07	*	*	.36	.02	-	-
OILSEEDS	37.42	.95	13.71	1.55	15.27	1.26	1.34	1.02	5.50	.35	1.60	1.27
Neug	10.12	.26	3.95	.45	3.85	.32	*	*	1.83	.11	-	-
Lin Seed	9.04	.23	1.21	.14	5.72	.47	*	*	1.50	.09	*	*
Rape seed	13.42	.34	6.43	.73	4.58	.38	*	*	1.50	.09	.67	.53
Ground Nuts	2.40	.06	1.35	.15	*	*	*	*	*	*	*	*
Sun Flower	1.41	.04	.53	.06	.19	.02	*	*	.36	.02	*	*
Sesame	*	*	.21	.02	*	*	*	*	*	*	*	*
Castor Bean	*	*	*	*	-	-	-	-	-	-	-	-
OTHERS	129.61	3.28	77.70	8.80	19.86	1.63	4.72	3.59	21.33	1.34	6.00	4.75
Fenugreek	1.35	.03	.36	.04	.38	.03	*	*	.53	.03	*	*
Spices	32.67	.83	11.41	1.29	6.51	.54	2.79	2.12	10.88	.68	1.08	.85
Potatoes	30.99	.78	11.96	1.35	9.16	.75	.89	.68	5.97	.37	3.02	2.39
Other Vegetables	64.59	1.64	53.96	6.11	3.81	.31	1.02	.78	3.95	.25	1.85	1.46
ALL TEMPORARY	3,679.35	93.16	645.00	73.07	1,206.93	99.23	127.22	96.73	1,581.98	99.33	118.22	93.50
Chat	35.30	.89	22.43	2.54	2.01	.17	2.35	1.79	3.56	.22	4.94	3.91
Coffee	46.10	1.17	32.41	3.67	5.21	.43	1.20	.91	6.13	.38	1.14	.90
Enset	175.38	4.44	171.25	19.40	1.44	.12	.30	.23	.47	.03	1.92	1.52
Cotton	1.62	.04	.95	.11	*	*	*	*	*	*	*	*
Tobacco	1.25	.03	1.24	.14	*	*	-	-	-	-	-	-
Fruits	3.48	.09	2.98	.34	*	*	*	*	.12	.01	*	*
Other Permanent	7.08	.18	6.46	.73	.19	.02	*	*	.20	.01	.14	.11
TOTAL PERMANENT	270.22	6.84	237.72	26.93	9.34	.77	4.30	3.27	10.64	.67	8.22	6.50
ALL CROPS	3,949.56	100.00	882.72	100.00	1,216.26	100.00	131.52	100.00	1,592.62	100.00	126.44	100.00

TABLE 2.2

ESTIMATES OF FERTILIZER APPLIED AREA BY REGION AND BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

('000 HA)

REGION	TOTAL		NATURAL		DAP		UREA		DAP + UREA		NAT + COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
TIGRAY	244.96	6.20	96.11	10.87	8.14	.67	5.48	4.17	116.95	7.34	18.28	14.46
AFAR	3.16	.08	.93	.11	1.03	.08	.10	.08	1.10	.07	-	-
AMHARA	1,027.80	26.01	175.71	19.87	235.18	19.34	56.65	43.06	533.98	33.53	26.28	20.78
OROMIYA	1,931.52	48.89	282.27	31.92	750.27	61.69	47.44	36.06	785.93	49.35	65.62	51.89
SOMALIE	3.57	.09	3.37	.38	.04	-	.07	.05	.03	-	.06	.05
BENSHANGUL-GUMUZ	23.15	.59	9.21	1.04	5.19	.43	.75	.57	7.28	.46	.73	.58
S.N.N.P.R.	694.32	17.57	311.92	35.27	215.34	17.70	19.40	14.75	134.31	8.43	13.36	10.56
GAMBELA	3.15	.08	-	-	.03	-	.09	.07	3.04	.19	-	-
HARARI	6.55	.17	2.10	.24	.21	.02	1.41	1.07	.81	.05	2.03	1.61
ADDIS ABABA	10.25	.26	.07	.01	.81	.07	.12	.09	9.19	.58	.08	.06
DIRE DAWA	2.69	.07	2.58	.29	.03	-	.04	.03	.02	-	.02	.02
TOTAL	3,951.12	100.00	884.27	100.00	1,216.27	100.00	131.55	100.00	1,592.64	100.00	126.46	100.00

FIG.2 ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR MAJOR CROPS OF PRIVATE HOLDINGS, NATIONAL, 2000/2001(1993 E.C.)

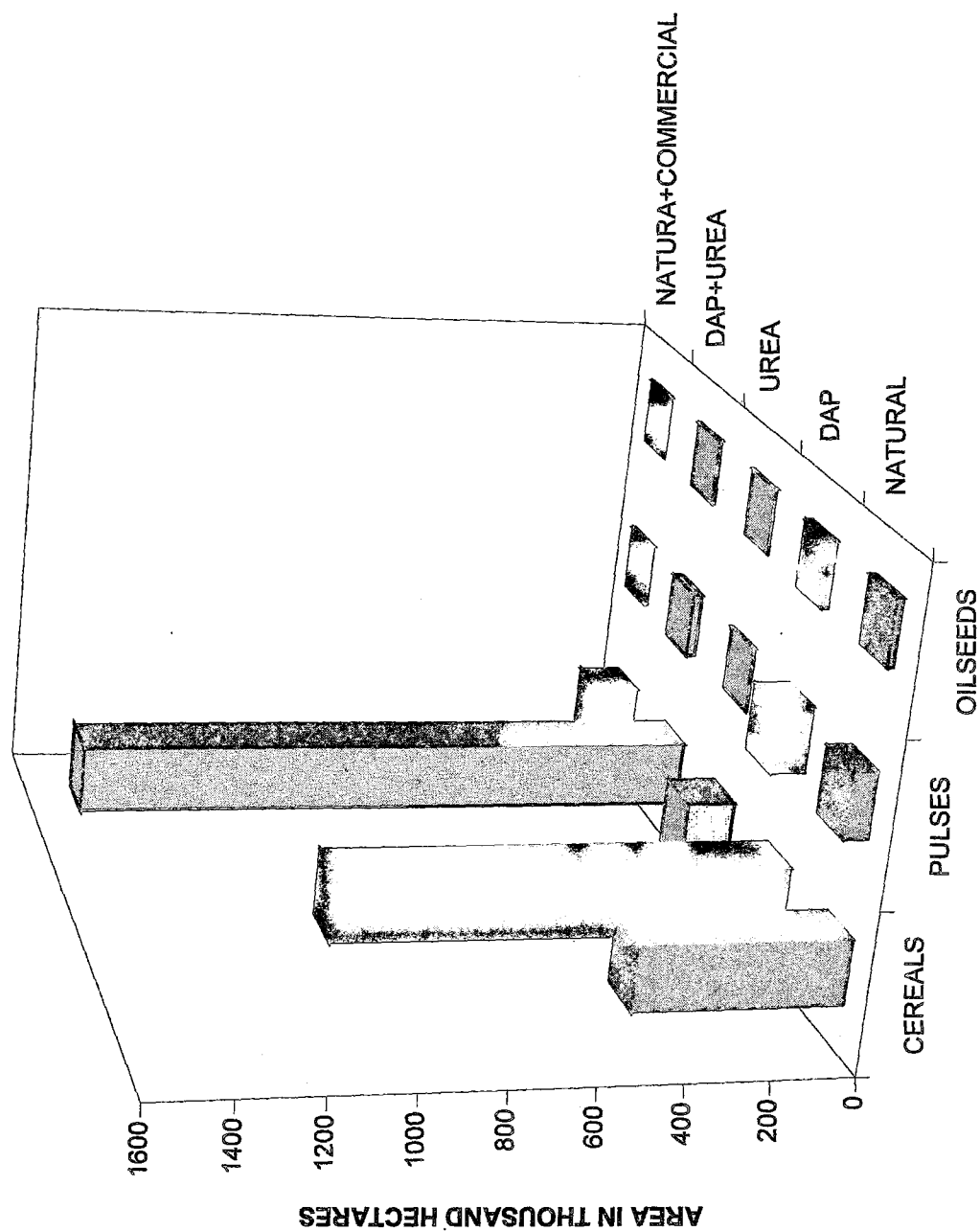


TABLE 2.3

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Tigray

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	236.72	96.67	90.49	94.23	7.30	89.68	5.42	98.91	115.52	98.78	18.00	98.47
Teff	70.66	28.85	6.53	6.80	3.25	39.93	2.57	46.90	55.64	47.58	2.68	14.66
Barely	30.19	12.33	10.99	11.44	1.58	19.41	.76	13.87	12.82	10.96	4.04	22.10
Wheat	34.30	14.01	7.17	7.47	1.24	15.23	1.36	24.82	20.28	17.34	4.25	23.25
Maize	36.27	14.81	26.92	28.03	*	*	*	*	4.89	4.18	4.07	22.26
Sorghum	39.28	16.04	32.95	34.31	*	*	*	*	4.89	4.18	.81	4.43
Millet	26.02	10.63	5.93	6.18	*	*	.35	6.39	17.00	14.54	2.15	11.76
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	5.89	2.41	4.50	4.69	.25	3.07	*	*	.87	.74	.23	1.26
Horse Beans	3.37	1.38	2.40	2.50	*	*	*	*	.60	.51	*	*
Field Peas	1.14	.47	.32	.33	*	*	-	-	-	-	-	-
Haricot Beans	*	*	*	*	-	-	-	-	*	*	*	*
Chick Peas	.36	.15	.99	1.03	*	*	-	-	*	*	*	*
Lentils	.36	.15	*	*	-	-	-	-	*	*	-	-
Vetch	.36	.15	.31	.32	-	-	-	-	*	*	-	-
OILSEEDS	1.63	.67	.60	.62	*	*	-	-	*	*	-	-
Neug	.31	.13	.28	.29	*	*	-	-	-	-	-	-
Lin Seed	*	*	*	*	*	*	-	-	*	*	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	*	*	-	-	*	*	-	-
Sesame	*	*	-	-	*	*	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	.54	.22	.35	.36	-	-	*	*	*	*	.05	.27
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	.20	.08	.17	.18	-	-	*	*	*	*	*	*
Potatoes	.11	.04	.05	.05	-	-	*	*	*	*	*	*
Other Vegetables	.23	.09	.14	.15	-	-	-	-	*	*	.03	.16
ALL TEMPORARY	244.78	99.96	95.94	99.91	8.14	100.00	5.48	100.00	116.94	99.99	18.28	100.00
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	*	*	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	*	*	*	*	-	-	-	-	*	*	-	-
TOTAL PERMANENT	.10	.04	.08	.08	-	-	-	-	*	*	-	-
ALL CROPS	244.88	100.00	96.03	100.00	8.14	100.00	5.48	100.00	116.95	100.00	18.28	100.00

TABLE 2.3.1

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

West Tigray

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	71.11	98.41	25.89	98.22	1.41	69.80	.64	100.00	38.92	99.97	4.25	98.61
Teff	20.95	28.99	*	*	.87	43.07	.22	34.38	19.09	49.04	*	*
Barely	*	*	*	*	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Maize	18.59	25.73	12.38	46.97	*	*	*	*	3.76	9.66	*	*
Sorghum	14.86	20.56	11.54	43.78	-	-	-	-	*	*	*	*
Millet	16.70	23.11	1.53	5.80	*	*	*	*	13.10	33.65	1.43	33.18
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	.39	.54	.29	1.10	*	*	-	-	-	-	*	*
Horse Beans	.05	.07	.05	.19	-	-	-	-	-	-	-	-
Field Peas	.28	.39	-	-	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	*	-	-	-	-	-	-	*	*
Chick Peas	-	-	.23	.87	*	*	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	*	*	-	-	-	-	-	-
Neug	*	*	*	*	*	*	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	-	-	*	*	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	.12	.17	.12	.46	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	.11	.15	.11	.42	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	*	*	*	*	-	-	-	-	-	-	-	-
ALL TEMPORARY	72.23	99.96	26.34	99.92	2.02	100.00	.64	100.00	38.92	99.97	4.31	100.00
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	*	*	*	*	-	-	-	-	*	*	-	-
TOTAL PERMANENT	*	*	*	*	-	-	-	-	*	*	-	-
ALL CROPS	72.26	100.00	26.36	100.00	2.02	100.00	.64	100.00	38.93	100.00	4.31	100.00

TABLE 2.3.2

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1995 E.C.)

Central Tigray

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	96.08	96.28	39.12	93.57	2.92	99.32	*	*	46.58	98.06	6.38	98.91
Teff	36.41	36.49	1.79	4.28	*	*	*	*	30.52	64.25	1.66	25.74
Barely	6.93	6.94	1.83	4.38	*	*	-	-	3.69	7.77	.98	15.19
Wheat	8.98	9.00	2.24	5.36	*	*	*	*	5.83	12.27	.73	11.32
Maize	15.00	15.03	12.04	28.80	*	*	-	-	1.03	2.17	1.87	28.99
Sorghum	20.27	20.31	17.50	41.86	*	*	*	*	1.72	3.62	*	*
Millet	8.49	8.51	3.71	8.87	*	*	*	*	3.79	7.98	*	*
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	2.69	2.70	2.10	5.02	*	*	-	-	.51	1.07	*	*
Horse Beans	1.97	1.97	1.49	3.56	*	*	-	-	.41	.86	*	*
Field Peas	.29	.29	*	*	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	*	-	-	-	-	*	*	-	-
Chick Peas	*	*	*	*	-	-	-	-	*	*	-	-
Lentils	*	*	*	*	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	.42	1.00	-	-	-	-	*	*	-	-
Neug	.23	.23	.23	.55	-	-	-	-	-	-	-	-
Lin Seed	*	*	*	*	-	-	-	-	*	*	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	-	-	-	-	*	*	.03	.47
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	.06	.06	.04	.10	-	-	-	-	*	*	*	*
Potatoes	*	*	*	*	-	-	-	-	-	-	-	-
Other Vegetables	*	*	*	*	-	-	-	-	*	*	*	*
ALL TEMPORARY	99.76	99.97	41.78	99.93	2.94	100.00	*	*	47.50	100.00	6.45	100.00
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	*	*	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	*	*	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	*	-	-	-	-	-	-	-	-
ALL CROPS	99.79	100.00	41.81	100.00	2.94	100.00	*	*	47.50	100.00	6.45	100.00

TABLE 2.3.3

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

East Tigray

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	32.26	93.18	13.40	88.04	.78	86.67	.80	94.12	12.07	98.05	5.22	97.57
Teff	2.72	7.86	.99	6.50	*	*	*	*	1.19	9.67	.22	4.11
Barely	15.68	45.29	7.33	48.16	.55	61.11	.25	29.41	5.03	40.86	2.53	47.29
Wheat	12.16	35.12	3.73	24.51	.12	13.33	.32	37.65	5.60	45.49	2.39	44.67
Maize	.62	1.79	.49	3.22	-	-	-	-	*	*	*	*
Sorghum	.27	.78	.17	1.12	-	-	-	-	*	*	*	*
Millet	*	*	*	*	-	-	*	*	*	*	*	*
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	2.12	6.12	1.63	10.71	*	*	*	*	.21	1.71	*	*
Horse Beans	.96	2.77	.65	4.27	*	*	*	*	*	*	*	*
Field Peas	.45	1.30	.20	1.31	*	*	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	.24	.69	*	*	-	-	-	-	*	*	*	*
Lentils	.15	.43	*	*	-	-	-	-	*	*	-	-
Vetch	.31	.90	.31	2.04	-	-	-	-	-	-	-	-
OILSEEDS	.10	.29	.10	.66	-	-	-	-	-	-	-	-
Neug	*	*	*	*	-	-	-	-	-	-	-	-
Lin Seed	.09	.26	.09	.59	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	-	-	*	*	*	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	*	*	*	*	-	-	*	*	-	-	*	*
Other Vegetables	*	*	*	*	-	-	-	-	*	*	*	*
ALL TEMPORARY	34.58	99.88	15.19	99.80	.90	100.00	.85	100.00	12.30	99.92	5.34	99.81
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	*	*	*	*	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	*	-	-	-	-	-	-	-	-
ALL CROPS	34.62	100.00	15.22	100.00	.90	100.00	.85	100.00	12.31	100.00	5.35	100.00

TABLE 2.3.4

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1995 E.C.)

South Tigray

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	37.27	97.51	12.07	95.49	2.20	96.49	2.89	99.31	17.94	98.46	2.16	99.54
Teff	10.59	27.71	3.31	26.19	*	*	1.35	46.39	4.83	26.51	*	*
Barely	7.57	19.81	*	*	*	*	.51	17.53	4.10	22.50	*	*
Wheat	13.16	34.43	1.20	9.49	.96	42.11	*	*	8.85	48.57	1.13	52.07
Maize	2.06	5.39	2.00	15.82	-	-	-	-	*	*	*	*
Sorghum	*	*	*	*	-	-	-	-	*	*	*	*
Millet	*	*	*	*	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	.70	1.83	.47	3.72	*	*	-	-	*	*	*	*
Horse Beans	.39	1.02	*	*	*	*	-	-	*	*	*	*
Field Peas	*	*	*	*	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	*	-	-	-	-	-	-	-	-
Chick Peas	*	*	*	*	-	-	-	-	-	-	-	-
Lentils	*	*	*	*	-	-	-	-	-	-	-	-
Vetch	*	*	-	-	-	-	-	-	*	*	-	-
OILSEEDS	.14	.37	*	*	*	*	-	-	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	*	*	*	*	*	*	-	-	*	*	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	*	*	-	-	*	*	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	-	-	*	*	*	*	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	*	*	*	*	-	-	*	*	-	-	-	-
Potatoes	*	*	-	-	-	-	-	-	*	*	-	-
Other Vegetables	.04	.10	.03	.24	-	-	-	-	-	-	-	-
ALL TEMPORARY	38.22	100.00	12.64	100.00	2.28	100.00	2.91	100.00	18.22	100.00	2.17	100.00
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-	-	-	-	-
ALL CROPS	38.22	100.00	12.64	100.00	2.28	100.00	2.91	100.00	18.22	100.00	2.17	100.00

TABLE 2.4

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Afar

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	2.95	93.35	.88	94.62	.95	92.23	.06	60.00	1.06	96.36	-	-
Teff	2.14	67.72	*	*	.89	86.41	.06	60.00	1.00	90.91	-	-
Barely	*	*	*	*	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Maize	.25	7.91	.23	24.73	-	-	-	-	*	*	-	-
Sorghum	.53	16.77	.43	46.24	*	*	-	-	.04	3.64	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	.02	.63	.01	1.08	-	-	-	-	*	*	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	*	*	-	-	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	*	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	*	*	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	*	*	*	*	.03	2.73	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	*	*	*	*	.03	2.73	-	-
Sesame	*	*	*	*	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-	-	-	-	-
ALL TEMPORARY	3.16	100.00	.93	100.00	1.03	100.00	.10	100.00	1.10	100.00	-	-
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-	-	-	-	-
ALL CROPS	3.16	100.00	.93	100.00	1.03	100.00	.10	100.00	1.10	100.00	-	-

TABLE 2.4.1

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Zone 3

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	2.95	93.35	.88	94.62	.95	92.23	.06	60.00	1.06	96.36	-	-
Teff	2.14	67.72	*	*	.89	86.41	.06	60.00	1.00	90.91	-	-
Barely	*	*	*	*	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Maize	.25	7.91	.23	24.73	-	-	-	-	*	*	-	-
Sorghum	.53	16.77	.43	46.24	*	*	-	-	.04	3.64	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	.02	.63	.01	1.08	-	-	-	-	*	*	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	*	*	-	-	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	*	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	*	*	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	.04	4.30	*	*	*	*	.03	2.73	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	*	*	*	*	.03	2.73	-	-
Sesame	*	*	*	*	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-	-	-	-	-
ALL TEMPORARY	3.16	100.00	.93	100.00	1.03	100.00	.10	100.00	1.10	100.00	-	-
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-	-	-	-	-
ALL CROPS	3.16	100.00	.93	100.00	1.03	100.00	.10	100.00	1.10	100.00	-	-

TABLE 2.5

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Anihara

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	956.04	93.02	141.30	80.43	218.05	92.72	52.73	93.08	519.57	97.30	24.40	92.85
Teff	432.32	42.06	14.60	8.31	120.16	51.09	39.97	70.56	249.17	46.66	8.42	32.04
Barely	44.58	4.34	17.10	9.73	10.08	4.29	*	*	13.80	2.58	1.26	4.79
Wheat	135.38	13.17	5.18	2.95	9.44	4.01	4.95	8.74	114.02	21.35	1.80	6.85
Maize	236.49	23.01	90.91	51.74	11.98	5.09	2.74	4.84	118.86	22.26	12.00	45.66
Sorghum	13.85	1.35	11.11	6.32	*	*	*	*	1.32	.25	*	*
Millet	93.03	9.05	2.33	1.33	65.57	27.88	2.36	4.17	22.10	4.14	*	*
Oats	.39	.04	.07	.04	-	-	*	*	*	*	-	-
PULSES	29.93	2.91	12.97	7.38	10.57	4.49	.64	1.13	5.72	1.07	*	*
Horse Beans	17.33	1.69	10.31	5.87	4.88	2.08	.13	.23	1.97	.37	*	*
Field Peas	1.40	.14	.98	.56	4.13	1.76	*	*	.21	.04	-	-
Haricot Beans	.77	.07	.68	.39	*	*	*	*	*	*	-	-
Chick Peas	5.52	.54	*	*	*	*	*	*	*	*	-	-
Lentils	*	*	*	*	*	*	*	*	*	*	-	-
Vetch	.93	.09	*	*	*	*	-	-	*	*	-	-
OILSEEDS	14.67	1.43	6.86	3.90	3.31	1.41	.64	1.13	3.35	.63	.52	1.98
Neug	7.43	.72	2.72	1.55	2.42	1.03	*	*	1.81	.34	-	-
Lin Seed	.99	.10	*	*	*	*	-	-	*	*	-	-
Rape seed	5.01	.49	3.20	1.82	*	*	*	*	1.01	.19	.32	1.22
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	.95	.09	.39	.22	*	*	*	*	.22	.04	*	*
Sesame	*	*	*	*	-	-	-	-	*	*	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	21.62	2.10	9.87	5.62	3.01	1.28	2.36	4.17	5.14	.96	1.24	4.72
Fenugreek	.26	.03	.09	.05	*	*	-	-	*	*	-	-
Spices	9.44	.92	4.23	2.41	.39	.17	1.67	2.95	2.69	.50	*	*
Potatoes	7.22	.70	3.02	1.72	2.17	.92	.47	.85	1.25	.23	*	*
Other Vegetables	4.71	.46	2.53	1.44	.44	.19	.21	.37	1.04	.19	*	*
ALL TEMPORARY	1,022.26	99.46	171.00	97.33	234.94	99.90	56.36	99.49	533.77	99.96	26.19	99.66
Chat	.91	.09	.91	.52	-	-	-	-	-	-	-	-
Coffee	1.08	.11	1.03	.59	-	-	-	-	*	*	*	*
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	*	*	*	*	*	*	*	*	*	*
Tobacco	*	*	*	*	-	-	-	-	-	-	-	-
Fruits	.17	.02	.17	.10	-	-	-	-	-	-	-	-
Other Permanent	2.49	.24	2.40	1.37	-	-	-	-	*	*	*	*
TOTAL PERMANENT	5.51	.54	4.69	2.67	*	*	*	*	.20	.04	*	*
ALL CROPS	1,027.77	100.00	175.69	100.00	235.18	100.00	56.65	100.00	533.98	100.00	26.28	100.00

TABLE 2.5.1

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

North Gonder

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	90.86	92.42	10.84	83.77	8.02	92.72	2.47	84.88	67.61	94.90	*	*
Teff	44.98	45.75	*	*	3.54	40.92	1.30	44.67	38.33	53.80	*	*
Barely	5.44	5.53	*	*	*	*	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*	*	*	-	-
Maize	24.36	24.78	9.45	73.03	.89	10.29	*	*	13.12	18.42	.50	19.38
Sorghum	*	*	*	*	*	*	-	-	*	*	*	*
Millet	11.30	11.49	*	*	*	*	*	*	9.08	12.75	-	-
Oats	*	*	-	-	-	-	-	-	*	*	-	-
PULSES	1.79	1.82	.30	2.32	*	*	*	*	*	*	-	-
Horse Beans	1.52	1.55	.30	2.32	*	*	*	*	*	*	-	-
Field Peas	*	*	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	*	*	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	*	*	-	-	-	-	-	-	*	*	-	-
OILSEEDS	.98	1.00	*	*	-	-	-	-	*	*	*	*
Neug	*	*	*	*	-	-	-	-	*	*	-	-
Lin Seed	*	*	-	-	-	-	-	-	*	*	-	-
Rape seed	*	*	*	*	-	-	-	-	*	*	*	*
Ground Nuts	-	-	-	-	-	-	-	-	*	*	-	-
Sun Flower	*	*	-	-	-	-	-	-	*	*	-	-
Sesame	*	*	-	-	-	-	-	-	*	*	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	4.16	4.23	1.02	7.88	*	*	*	*	*	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	*	*	.35	2.70	-	-	-	-	-	-	-	-
Potatoes	1.42	1.44	*	*	*	*	*	*	*	*	*	*
Other Vegetables	*	*	*	*	-	-	*	*	*	*	*	*
ALL TEMPORARY	97.79	99.47	12.75	98.53	8.43	97.46	2.91	100.00	71.18	99.92	2.53	98.06
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	.06	.06	.03	.23	-	-	-	-	-	-	*	*
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	*	*	*	*	-	-	*	*	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	.17	.17	.14	1.08	-	-	-	-	-	-	*	*
TOTAL PERMANENT	*	*	.18	1.39	*	*	-	-	*	*	*	*
ALL CROPS	98.31	100.00	12.94	100.00	8.65	100.00	2.91	100.00	71.24	100.00	2.58	100.00

TABLE 2.5.2

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

South Gender

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	88.74	94.44	13.73	83.72	11.49	91.92	6.62	95.25	55.48	97.88	1.42	98.61
Teff	49.77	52.97	*	*	4.42	35.36	5.13	73.81	37.47	66.11	*	*
Barely	2.82	3.00	*	*	*	*	*	*	*	*	*	*
Wheat	6.84	7.28	*	*	*	*	*	*	5.34	9.42	*	*
Maize	16.69	17.76	10.59	64.57	*	*	*	*	*	*	*	*
Sorghum	*	*	*	*	-	-	*	*	*	*	-	-
Millet	12.46	13.26	*	*	*	*	*	*	6.61	11.66	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	.99	1.05	.88	5.37	-	-	*	*	*	*	-	-
Horse Beans	.76	.81	.65	3.96	-	-	*	*	*	*	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	*	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	1.04	1.11	.54	3.29	*	*	*	*	.22	.39	-	-
Neug	*	*	*	*	-	-	*	*	*	*	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	*	*	*	*	*	*	-	-	*	*	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	2.75	2.93	.81	4.94	*	*	*	*	.91	1.61	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	*	*	*	*	*	*	*	*	*	*	-	-
Potatoes	*	*	.58	3.54	*	*	-	-	*	*	-	-
Other Vegetables	.49	.52	.17	1.04	*	*	*	*	*	*	-	-
ALL TEMPORARY	93.52	99.53	15.96	97.32	12.50	100.00	6.95	100.00	56.68	100.00	1.42	98.61
Chat	*	*	*	*	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	-	-	-	-	-	-	*	*
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	*	*	*	*	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	*	-	-	-	-	-	-	*	*
ALL CROPS	93.96	100.00	16.40	100.00	12.50	100.00	6.95	100.00	56.68	100.00	1.44	100.00

TABLE 2.5.3

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

North Wolo

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	13.07	85.70	5.89	73.72	.32	100.00	*	*	5.32	99.25	.72	97.30
Teff	2.35	15.41	*	*	*	*	*	*	1.18	22.01	*	*
Barely	3.65	23.93	3.40	42.55	*	*	*	*	*	*	*	*
Wheat	5.84	38.30	1.38	17.27	*	*	-	-	*	*	*	*
Maize	*	*	*	*	-	-	-	-	*	*	-	-
Sorghum	*	*	*	*	-	-	*	*	*	*	*	*
Millet	*	*	*	*	-	-	*	*	*	*	*	*
Oats	*	*	*	*	-	-	-	-	*	*	-	-
PULSES	1.58	10.36	1.58	19.77	-	-	-	-	-	-	-	-
Horse Beans	1.35	8.85	1.35	16.90	-	-	-	-	-	-	-	-
Field Peas	*	*	*	*	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	*	*	*	*	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	*	*	*	*	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	-	-	-	-	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	-	-	-	-	*	*	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	.46	3.02	.40	5.01	*	*	*	*	*	*	*	*
Fenugreek	*	*	*	*	-	-	-	-	-	-	-	-
Spices	*	*	.01	.13	-	-	-	-	*	*	-	-
Potatoes	.16	1.05	.15	1.88	-	-	-	-	-	-	-	-
Other Vegetables	.24	1.57	.19	2.38	*	*	*	*	*	*	*	*
ALL TEMPORARY	15.13	99.21	7.88	98.62	.32	100.00	*	*	5.36	100.00	.74	100.00
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-	-	-	-	-
Other Permanent	*	*	*	*	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	*	-	-	-	-	-	-	-	-
ALL CROPS	15.25	100.00	7.99	100.00	.32	100.00	*	*	5.36	100.00	.74	100.00

TABLE 2.5.4

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

South Wolo

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	41.20	90.61	16.03	80.47	*	*	1.75	99.43	22.41	98.59	*	*
Teff	15.98	35.14	*	*	-	-	*	*	11.60	51.03	*	*
Barely	*	*	*	*	-	-	*	*	*	*	-	-
Wheat	11.94	26.26	.81	4.07	*	*	*	*	10.50	46.19	*	*
Maize	3.41	7.50	3.35	16.82	-	-	-	-	*	*	-	-
Sorghum	7.96	17.51	7.81	39.21	-	-	-	-	*	*	*	*
Millet	*	*	*	*	-	-	-	-	-	-	-	-
Oats	*	*	*	*	-	-	-	-	*	*	-	-
PULSES	2.44	5.37	2.12	10.64	*	*	*	*	*	*	*	*
Horse Beans	1.46	3.21	*	*	*	*	*	*	*	*	*	*
Field Peas	*	*	*	*	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	*	-	-	-	-	-	-	-	-
Chick Peas	*	*	*	*	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	-	-	-	-	*	*	-	-
Vetch	*	*	*	*	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	-	-	-	-	*	*	*	*
Neug	*	*	*	*	-	-	-	-	-	-	-	-
Lin Seed	*	*	*	*	-	-	-	-	-	-	-	-
Rape seed	*	*	*	*	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	-	-	-	-	*	*	*	*
Sesame	*	*	*	*	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	.64	1.41	.63	3.16	-	-	-	-	*	*	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	.35	.77	.35	1.76	-	-	-	-	-	-	-	-
Potatoes	*	*	*	*	-	-	-	-	-	-	-	-
Other Vegetables	.22	.48	.21	1.05	-	-	-	-	*	*	-	-
ALL TEMPORARY	44.81	98.55	19.27	96.74	*	*	1.76	100.00	22.72	99.96	*	*
Chat	*	*	*	*	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	*	*	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-	-	-	-	-
Other Permanent	.06	.13	.06	.30	-	-	-	-	*	*	-	-
TOTAL PERMANENT	.66	1.45	.65	3.26	-	-	-	-	*	*	-	-
ALL CROPS	45.47	100.00	19.92	100.00	*	*	1.76	100.00	22.73	100.00	*	*

TABLE 2.5.5

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

North Shewa

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	108.55	90.33	10.58	66.54	7.81	82.21	8.99	95.64	78.43	95.09	2.74	95.14
Teff	46.18	38.43	3.37	21.19	*	*	6.16	65.53	29.98	36.35	1.39	48.26
Barely	7.08	5.89	2.55	16.04	*	*	*	*	*	*	.44	15.28
Wheat	49.37	41.08	1.08	6.79	.79	8.32	1.18	12.55	45.41	55.06	*	*
Maize	3.31	2.75	1.98	12.45	*	*	*	*	*	*	-	-
Sorghum	2.63	2.19	1.61	10.13	*	*	*	*	*	*	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	9.54	7.94	4.21	26.48	1.59	16.74	*	*	*	*	-	-
Horse Beans	4.11	3.42	3.69	23.21	*	*	*	*	*	*	-	-
Field Peas	.73	.61	.24	1.51	*	*	*	*	*	*	-	-
Haricot Beans	.15	.12	*	*	*	*	*	*	*	*	-	-
Chick Peas	.39	.32	*	*	*	*	*	*	*	*	-	-
Lentils	*	*	*	*	*	*	*	*	*	*	-	-
Vetch	*	*	-	-	*	*	-	-	*	*	-	-
OILSEEDS	.81	.67	.31	1.95	*	*	*	*	*	*	*	*
Neug	*	*	-	-	-	-	-	-	*	*	-	-
Lin Seed	*	*	*	*	*	*	-	-	-	-	-	-
Rape seed	*	*	*	*	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	.55	.46	.22	1.38	*	*	*	*	*	*	*	*
Sesame	*	*	*	*	-	-	-	-	*	*	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	.95	.79	*	*	*	*	.10	1.06	*	*	*	*
Fenugreek	*	*	-	-	*	*	-	-	*	*	-	-
Spices	*	*	*	*	-	-	.01	.11	*	*	-	-
Potatoes	*	*	*	*	-	-	-	-	-	-	-	-
Other Vegetables	*	*	*	*	*	*	.09	.96	*	*	*	*
ALL TEMPORARY	119.86	99.74	15.61	98.18	9.50	100.00	9.40	100.00	82.47	99.99	2.88	100.00
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	-	-	-	-	*	*	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-	-	-	-	-
Other Permanent	.08	.07	.08	.50	-	-	-	-	*	*	-	-
TOTAL PERMANENT	*	*	*	*	-	-	-	-	*	*	-	-
ALL CROPS	120.17	100.00	15.90	100.00	9.50	100.00	9.40	100.00	82.48	100.00	2.88	100.00

TABLE 2.5.6

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

East Gojam

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	254.34	95.97	17.57	78.68	42.99	91.62	19.07	97.40	170.98	99.23	3.73	96.13
Teff	159.91	60.34	1.76	7.88	34.55	73.64	16.27	83.09	104.93	60.90	2.40	61.86
Barely	9.01	3.40	*	*	*	*	*	*	*	*	-	-
Wheat	51.87	19.57	*	*	*	*	2.28	11.64	44.32	25.72	-	-
Maize	33.49	12.64	13.68	61.26	1.95	4.16	.47	2.40	16.06	9.32	1.33	34.28
Sorghum	-	-	-	-	-	-	-	-	-	-	-	-
Millet	*	*	-	-	*	*	*	*	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	5.93	2.24	1.72	7.70	3.65	7.78	*	*	*	*	*	*
Horse Beans	4.17	1.57	1.55	6.94	2.19	4.67	*	*	*	*	*	*
Field Peas	*	*	*	*	*	*	-	-	*	*	-	-
Haricot Beans	*	*	*	*	-	-	-	-	-	-	-	-
Chick Peas	*	*	*	*	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	-	-	-	-	*	*	-	-
Vetch	*	*	*	*	*	*	-	-	-	-	-	-
OILSEEDS	*	*	*	*	*	*	*	*	*	*	*	*
Neug	*	*	*	*	*	*	*	*	*	*	-	-
Lin Seed	*	*	*	*	-	-	-	-	-	-	*	*
Rape seed	.59	.22	.50	2.24	-	-	*	*	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	1.92	.72	1.39	6.22	*	*	*	*	*	*	*	*
Fenugreek	*	*	-	-	-	-	-	-	*	*	-	-
Spices	*	*	.60	2.69	*	*	*	*	*	*	*	*
Potatoes	*	*	*	*	*	*	-	-	*	*	*	*
Other Vegetables	.39	.15	.38	1.70	-	-	-	-	-	-	-	-
ALL TEMPORARY	264.06	99.64	21.54	96.46	46.92	100.00	19.45	99.34	172.26	99.98	3.88	100.00
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	*	*	-	-	*	*	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-	*	*	-	-
Other Permanent	.67	.25	.64	2.87	-	-	-	-	-	-	-	-
TOTAL PERMANENT	.95	.36	.78	3.49	-	-	*	*	*	*	-	-
ALL CROPS	265.01	100.00	22.33	100.00	46.92	100.00	19.58	100.00	172.30	100.00	3.88	100.00

TABLE 2.5.7

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

West Gojam

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	251.63	92.06	33.13	81.56	94.59	92.33	10.36	84.36	105.85	96.67	7.71	90.71
Teff	75.66	27.68	*	*	42.83	41.81	8.15	66.37	23.96	21.88	*	*
Barely	6.80	2.49	*	*	3.96	3.87	*	*	*	*	*	*
Wheat	4.20	1.54	*	*	*	*	*	*	*	*	*	*
Maize	120.44	44.06	31.22	76.86	7.88	7.69	1.09	8.88	73.26	66.90	6.98	82.12
Sorghum	*	*	*	*	*	*	-	-	-	-	-	-
Millet	44.29	16.20	*	*	37.47	36.57	*	*	6.12	5.59	-	-
Oats	*	*	-	-	-	-	*	*	-	-	-	-
PULSES	5.22	1.91	1.14	2.81	3.65	3.56	*	*	*	*	*	*
Horse Beans	3.26	1.19	1.06	2.61	1.96	1.91	-	-	*	*	*	*
Field Peas	-	-	*	*	*	*	*	*	*	*	-	-
Haricot Beans	*	*	*	*	*	*	*	*	*	*	-	-
Chick Peas	*	*	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	7.11	2.60	2.02	4.97	2.62	2.56	*	*	*	*	.27	3.18
Neug	4.30	1.57	*	*	*	*	*	*	*	*	-	-
Lin Seed	*	*	*	*	*	*	-	-	-	-	-	-
Rape seed	2.18	.80	.92	2.26	.22	.21	-	-	.84	.77	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	*	*	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	8.02	2.93	3.25	8.00	1.59	1.55	1.29	10.50	1.41	1.29	.49	5.76
Fenugreek	*	*	*	*	-	-	-	-	-	-	-	-
Spices	4.79	1.75	2.27	5.59	.27	.26	1.07	8.71	*	*	*	*
Potatoes	1.95	.71	.32	.79	1.06	1.03	*	*	*	*	*	*
Other Vegetables	1.27	.46	.64	1.58	*	*	*	*	*	*	*	*
ALL TEMPORARY	271.98	99.50	39.53	97.32	102.45	100.00	12.12	98.70	109.41	99.92	8.48	99.76
Chat	*	*	*	*	-	-	-	-	-	-	-	-
Coffee	.05	.02	.05	.12	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	*	*	-	-	*	*	*	*	*	*
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	1.02	.37	1.02	2.51	-	-	-	-	-	-	*	*
TOTAL PERMANENT	1.36	.50	1.09	2.68	-	-	*	*	*	*	*	*
ALL CROPS	273.34	100.00	40.62	100.00	102.45	100.00	12.28	100.00	109.50	100.00	8.50	100.00

TABLE 2.5.8

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Maghamara

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	.87	85.29	.46	76.67	.08	100.00	.02	100.00	*	*	-	-
Teff	*	*	*	*	*	*	.02	100.00	*	*	-	-
Barely	*	*	*	*	*	*	-	-	*	*	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Maize	.28	27.45	.28	46.67	-	-	-	-	-	-	-	-
Sorghum	*	*	*	*	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	-	-	-	-	-	-	-	-
Horse Beans	*	*	*	*	-	-	-	-	-	-	-	-
Field Peas	*	*	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	*	*	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	-	-	-	-	*	*	-	-
Neug	*	*	*	*	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	-	-	-	-	*	*	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	*	*	*	*	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	*	*	*	*	-	-	-	-	-	-	-	-
ALL TEMPORARY	1.02	100.00	.60	100.00	.08	100.00	.02	100.00	*	*	-	-
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-	-	-	-	-
ALL CROPS	1.02	100.00	.60	100.00	.08	100.00	.02	100.00	*	*	-	-

TABLE 2.5.9

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1995 E.C.)

Agawia

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	103.58	93.32	30.56	86.25	52.13	96.38	2.46	90.11	13.16	98.43	5.28	98.51
Teff	36.75	33.11	4.21	11.88	*	*	1.04	38.10	1.54	11.52	*	*
Barely	7.78	7.01	5.94	16.77	*	*	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*	*	*	*	*
Maize	32.81	29.56	18.75	52.92	.57	1.05	*	*	10.34	77.34	3.05	56.90
Sorghum	*	*	*	*	-	-	-	-	-	-	-	-
Millet	24.68	22.24	*	*	20.99	38.81	*	*	*	*	*	*
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	*	*	.81	2.29	*	*	*	*	*	*	-	-
Horse Beans	.57	.51	.31	.87	*	*	*	*	*	*	-	-
Field Peas	*	*	*	*	*	*	-	-	*	*	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	*	*	*	*	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	2.27	2.05	2.00	5.64	*	*	*	*	*	*	*	*
Neug	1.41	1.27	1.20	3.39	*	*	*	*	-	-	-	-
Lin Seed	*	*	*	*	-	-	-	-	-	-	-	-
Rape seed	.70	.63	.64	1.81	-	-	-	-	*	*	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	2.57	2.32	1.72	4.85	*	*	*	*	*	*	*	*
Fenugreek	*	*	*	*	-	-	-	-	-	-	-	-
Spices	.25	.23	.24	.68	-	-	-	-	-	-	*	*
Potatoes	1.89	1.70	*	*	*	*	*	*	*	*	*	*
Other Vegetables	.41	.37	.34	.96	*	*	-	-	*	*	-	-
ALL TEMPORARY	110.62	99.67	35.08	99.01	54.09	100.00	2.73	100.00	13.37	100.00	5.35	99.81
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-	-	-	-	-
Other Permanent	.19	.17	.17	.48	-	-	-	-	-	-	*	*
TOTAL PERMANENT	.36	.32	.35	.99	-	-	-	-	-	-	*	*
ALL CROPS	110.99	100.00	35.43	100.00	54.09	100.00	2.73	100.00	13.37	100.00	5.36	100.00

TABLE 2.5.10

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1998 E.C.)

Oromia

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	3.20	75.29	2.52	70.59	*	*	*	*	-	-	-	-
Teff	.53	12.47	.11	3.08	.23	*	*	*	-	-	-	-
Barely	*	*	*	*	-	-	-	-	-	-	-	-
Wheat	*	*	*	*	-	-	-	-	-	-	-	-
Maize	1.02	24.00	.93	26.05	*	*	-	-	-	-	-	-
Sorghum	1.42	33.41	1.26	35.29	*	*	-	-	-	-	-	-
Millet	*	*	*	*	-	-	-	-	-	-	-	-
Oats	*	*	*	*	-	-	-	-	-	-	-	-
PULSES	.13	3.06	.13	3.64	-	-	-	-	-	-	-	-
Horse Beans	*	*	*	*	-	-	-	-	-	-	-	-
Field Peas	-	-	*	*	-	-	-	-	-	-	-	-
Haricot Beans	.02	.47	.02	.56	-	-	-	-	-	-	-	-
Chick Peas	*	*	-	-	-	-	-	-	-	-	-	-
Lentils	*	*	*	*	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	.12	2.82	.12	3.36	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	-	-	-	-	-	-	-	-
Spices	.05	1.18	.05	1.40	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	.07	1.65	.07	1.96	-	-	-	-	-	-	-	-
ALL TEMPORARY	3.46	81.41	2.78	77.87	*	*	*	*	-	-	-	-
Chat	*	*	*	*	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	*	*	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-	-	-	-	-
Other Permanent	*	*	*	*	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	*	-	-	-	-	-	-	-	-
ALL CROPS	4.25	100.00	3.57	100.00	*	*	*	*	-	-	-	-

TABLE 2.6

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Oromia

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	1,719.42	89.04	179.07	63.55	683.15	91.05	42.18	88.97	763.17	97.10	51.85	79.02
Teff	549.03	28.43	9.02	3.20	182.87	24.37	23.12	48.77	328.77	41.83	5.25	8.00
Barely	208.36	10.79	13.41	4.76	150.09	20.00	.86	1.81	38.96	4.96	5.04	7.68
Wheat	488.92	25.32	6.97	2.47	261.03	34.79	5.05	10.65	201.26	25.61	*	*
Maize	383.65	19.87	116.42	41.32	55.59	7.41	7.89	16.64	182.85	23.27	20.90	31.85
Sorghum	57.25	2.96	32.20	11.43	4.94	.66	4.84	10.21	9.36	1.19	*	*
Millet	20.12	1.04	.40	.14	18.08	2.41	.36	.76	1.17	.15	*	*
Oats	12.08	.63	.65	.23	10.56	1.41	*	*	*	*	*	*
PULSES	84.04	4.35	21.33	7.57	46.66	6.22	1.76	3.71	9.73	1.24	4.55	6.93
Horse Beans	48.83	2.53	14.29	5.07	27.93	3.72	*	*	3.45	.44	*	*
Field Peas	1.54	.08	1.60	.57	11.06	1.47	*	*	*	*	*	*
Haricot Beans	14.69	.76	5.09	1.81	4.53	.60	.88	1.86	2.68	.34	*	*
Chick Peas	15.49	.80	*	*	*	*	-	-	*	*	-	-
Lentils	2.87	.15	.15	.05	1.71	.23	*	*	.99	.13	*	*
Vetch	.61	.03	*	*	*	*	*	*	*	*	-	-
OILSEEDS	18.53	.96	5.00	1.77	10.73	1.43	.44	.93	1.48	.19	*	*
Neug	2.01	.10	.72	.26	*	*	-	-	*	*	-	-
Lin Seed	7.16	.37	*	*	5.30	.71	*	*	.89	.11	*	*
Rape seed	7.03	.36	2.59	.92	*	*	*	*	.41	.05	*	*
Ground Nuts	2.04	.11	*	*	*	*	*	*	*	*	*	*
Sun Flower	.15	.01	*	*	*	*	-	-	*	*	-	-
Sesame	*	*	*	*	*	*	-	-	-	-	-	-
Castor Bean	*	*	*	*	-	-	-	-	-	-	-	-
OTHERS	43.11	2.23	23.82	8.45	7.89	1.05	.91	1.92	6.77	.86	3.72	5.67
Fenugreek	.91	.05	.24	.09	.33	.04	*	*	*	*	*	*
Spices	6.39	.33	4.02	1.43	.91	.12	*	*	.96	.12	.26	.40
Potatoes	15.27	.79	3.81	1.35	5.05	.67	.36	.76	3.51	.45	2.53	3.86
Other Vegetables	20.53	1.06	15.74	5.59	1.60	.21	.29	.61	2.02	.26	.88	1.34
ALL TEMPORARY	1,865.10	96.59	229.22	81.35	748.44	99.76	45.29	95.53	781.15	99.39	60.99	92.94
Chat	21.77	1.13	12.11	4.30	.78	.10	1.74	3.67	2.89	.37	4.24	6.46
Coffee	10.16	.53	7.15	2.54	.81	.11	*	*	*	*	*	*
Enset	29.55	1.53	29.35	10.42	*	*	-	-	*	*	*	*
Cotton	*	*	*	*	-	-	-	-	-	-	-	-
Tobacco	.81	.04	.80	.28	*	*	-	-	-	-	-	-
Fruits	1.32	.07	1.07	.38	*	*	*	*	*	*	*	*
Other Permanent	2.27	.12	2.07	.73	*	*	*	*	*	*	*	*
TOTAL PERMANENT	65.89	3.41	52.54	18.65	1.84	.25	2.12	4.47	4.77	.61	4.62	7.04
ALL CROPS	1,930.99	100.00	281.77	100.00	750.27	100.00	47.41	100.00	785.93	100.00	65.62	100.00

TABLE 2.6.1

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

West Melega

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	91.29	94.47	22.61	82.28	20.35	99.27	1.57	98.13	42.49	99.42	4.26	98.61
Teff	17.93	18.56	.98	3.57	9.37	45.71	*	*	*	*	*	*
Barely	.61	.63	.58	2.11	-	-	-	-	*	*	*	*
Wheat	1.03	1.07	.38	1.38	*	*	*	*	*	*	*	*
Maize	56.11	58.07	17.73	64.52	*	*	1.03	64.38	33.46	78.29	3.63	84.03
Sorghum	4.26	4.41	2.76	10.04	*	*	*	*	.92	2.15	*	*
Millet	*	*	*	*	*	*	.15	9.38	*	*	*	*
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	1.94	2.01	1.88	6.84	*	*	-	-	-	-	-	-
Horse Beans	1.28	1.32	1.23	4.48	*	*	-	-	-	-	-	-
Field Peas	-	-	*	*	*	*	-	-	-	-	-	-
Haricot Beans	.44	.46	.44	1.60	-	-	-	-	-	-	-	-
Chick Peas	*	*	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	*	*	*	*	-	-	-	-	-	-	-	-
OILSEEDS	.32	.33	*	*	*	*	-	-	*	*	-	-
Neug	*	*	-	-	*	*	-	-	-	-	-	-
Lin Seed	*	*	-	-	-	-	-	-	*	*	-	-
Rape seed	*	*	*	*	-	-	-	-	*	*	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	2.07	2.14	1.90	6.91	*	*	-	-	*	*	*	*
Fenugreek	*	*	*	*	-	-	-	-	-	-	-	-
Spices	.45	.47	.41	1.49	*	*	-	-	-	-	*	*
Potatoes	*	*	*	*	*	*	-	-	*	*	*	*
Other Vegetables	.79	.82	.76	2.77	-	-	-	-	*	*	-	-
ALL TEMPORARY	95.62	98.95	26.63	96.91	20.49	99.95	1.57	98.13	42.62	99.72	4.32	100.00
Chat	.02	.02	*	*	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	*	*	-	-	*	*	-	-
Enset	*	*	*	*	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	*	*	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	*	*	*	*	-	-
Other Permanent	*	*	*	*	-	-	*	*	*	*	-	-
TOTAL PERMANENT	1.01	1.05	.85	3.09	*	*	*	*	*	*	-	-
ALL CROPS	96.63	100.00	27.48	100.00	20.50	100.00	1.60	100.00	42.74	100.00	4.32	100.00

TABLE 2.6.2

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

East Welega

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	165.06	93.03	17.84	72.08	73.68	95.19	*	*	62.43	97.99	*	*
Teff	75.09	42.32	2.22	8.97	55.05	71.12	*	*	*	*	*	*
Barely	3.23	1.82	.93	3.76	*	*	-	-	*	*	*	*
Wheat	10.56	5.95	.26	1.05	3.54	4.57	*	*	6.54	10.27	*	*
Maize	67.07	37.80	14.17	57.25	6.21	8.02	.76	*	43.93	68.95	*	*
Sorghum	*	*	.23	.93	*	*	-	-	*	*	*	*
Millet	8.37	4.72	*	*	7.93	10.25	*	*	*	*	-	-
Oats	*	*	-	-	-	-	-	-	*	*	-	-
PULSES	4.99	2.81	2.44	9.86	*	*	*	*	*	*	-	-
Horse Beans	4.02	2.27	2.07	8.36	*	*	*	*	*	*	-	-
Field Peas	*	*	.19	.77	.34	.44	-	-	*	*	-	-
Haricot Beans	.12	.07	.09	.36	-	-	-	-	*	*	-	-
Chick Peas	.77	.43	*	*	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	2.67	1.50	.92	3.72	*	*	*	*	*	*	-	-
Neug	1.74	.98	*	*	*	*	-	-	-	-	-	-
Lin Seed	*	*	*	*	*	*	-	-	-	-	-	-
Rape seed	.83	.47	.40	1.62	*	*	*	*	*	*	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	4.06	2.29	2.91	11.76	*	*	*	*	*	*	*	*
Fenugreek	.12	.07	.12	.48	-	-	-	-	-	-	-	-
Spices	2.70	1.52	1.64	6.63	*	*	*	*	*	*	*	*
Potatoes	.30	.17	.27	1.09	*	*	-	-	-	-	-	-
Other Vegetables	.94	.53	.89	3.60	*	*	-	-	*	*	-	-
ALL TEMPORARY	176.78	99.64	24.11	97.41	77.40	100.00	*	*	63.71	100.00	*	*
Chat	.04	.02	.04	.16	-	-	-	-	-	-	-	-
Coffee	.09	.05	.09	.36	-	-	-	-	-	-	-	-
Enset	*	*	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	*	*	-	-	-	-	-	-	-	-
Fruits	.17	.10	.17	.69	-	-	-	-	-	-	-	-
Other Permanent	.29	.16	.29	1.17	-	-	-	-	-	-	-	-
TOTAL PERMANENT	.64	.36	.64	2.59	-	-	-	-	-	-	-	-
ALL CROPS	177.42	100.00	24.75	100.00	77.40	100.00	*	*	63.71	100.00	*	*

TABLE 2.6.3

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Illibabor

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	47.75	98.64	3.95	87.78	18.70	99.95	1.07	99.07	23.23	99.70	*	*
Teff	14.39	29.73	*	*	12.60	67.34	*	*	*	*	-	-
Barely	*	*	-	-	-	-	-	-	*	*	-	-
Wheat	.46	.95	*	*	*	*	*	*	*	*	-	-
Maize	32.21	66.54	3.59	79.78	*	*	*	*	21.47	92.15	*	*
Sorghum	.62	1.28	*	*	-	-	*	*	*	*	*	*
Millet	*	*	*	*	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	*	*	-	-	*	*	-	-
Horse Beans	*	*	*	*	*	*	-	-	*	*	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	.14	.29	.13	2.89	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	.10	.21	*	*	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	.04	.08	.04	.89	-	-	-	-	-	-	-	-
ALL TEMPORARY	48.01	99.17	4.17	92.67	18.71	100.00	1.07	99.07	23.25	99.79	*	*
Chat	*	*	.08	1.78	-	-	-	-	*	*	-	-
Coffee	*	*	*	*	-	-	*	*	-	-	-	-
Enset	.05	.10	.04	.89	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	*	*	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-	*	*	*	*
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	.41	.85	.32	7.11	-	-	*	*	*	*	*	*
ALL CROPS	48.41	100.00	4.50	100.00	18.71	100.00	1.08	100.00	23.30	100.00	*	*

TABLE 2.6.4

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Jirima

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	134.63	87.09	17.63	51.19	68.75	96.33	*	*	39.02	99.16	*	*
Teff	56.98	36.86	*	*	49.00	68.66	*	*	3.28	8.34	*	*
Barely	*	*	*	*	*	*	-	-	-	-	*	*
Wheat	*	*	*	*	*	*	-	-	*	*	-	-
Maize	66.89	43.27	15.68	45.53	10.92	15.30	1.51	*	35.54	90.32	*	*
Sorghum	1.12	.72	.89	2.58	*	*	-	-	-	-	-	-
Millet	*	*	-	-	*	*	-	-	*	*	-	-
Oats	*	*	-	-	*	*	-	-	-	-	-	-
PULSES	3.76	2.43	1.57	4.56	*	*	-	-	*	*	-	-
Horse Beans	*	*	1.25	3.63	*	*	-	-	-	-	-	-
Field Peas	-	-	.19	.55	*	*	-	-	-	-	-	-
Haricot Beans	*	*	*	*	*	*	-	-	*	*	-	-
Chick Peas	*	*	-	-	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	*	*	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.42	.27	*	*	*	*	-	-	-	-	-	-
Neug	*	*	*	*	*	*	-	-	-	-	-	-
Lin Seed	*	*	-	-	*	*	-	-	-	-	-	-
Rape seed	*	*	*	*	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	5.26	3.40	5.11	14.84	.09	.13	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	*	*	*	*	*	*	-	-	-	-	*	*
Potatoes	*	*	*	*	-	-	-	-	-	-	-	-
Other Vegetables	4.69	3.03	4.60	13.36	.07	.10	-	-	-	-	*	*
ALL TEMPORARY	144.08	93.21	24.57	71.34	71.15	99.69	*	*	39.06	99.26	*	*
Chat	1.73	1.12	1.65	4.79	-	-	-	-	-	-	*	*
Coffee	1.72	1.11	1.16	3.37	*	*	-	-	*	*	*	*
Enset	6.74	4.36	6.74	19.57	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	.24	.16	.24	.70	-	-	-	-	-	-	-	-
Other Permanent	.07	.05	.07	.20	-	-	-	-	12	-	-	-
TOTAL PERMANENT	10.51	6.80	9.87	28.66	*	*	-	-	*	*	*	*
ALL CROPS	154.58	100.00	34.44	100.00	71.37	100.00	*	*	39.35	100.00	*	*

TABLE 2.6.5

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

West Shewa

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	355.12	91.84	17.07	42.60	39.18	88.28	6.33	97.09	277.85	98.96	*	*
Teff	194.60	50.32	.86	2.15	12.94	29.16	4.83	74.08	173.31	61.73	*	*
Barely	44.25	11.44	3.23	8.06	12.41	27.96	*	*	26.53	9.45	*	*
Wheat	83.76	21.66	1.08	2.70	12.34	27.81	*	*	61.63	21.95	*	*
Maize	31.18	8.06	10.71	26.73	*	*	*	*	*	*	*	*
Sorghum	1.32	.34	*	*	*	*	-	-	*	*	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	*	*	*	*	-	-	-	-	-	-	-	-
PULSES	10.71	2.77	3.49	8.71	*	*	*	*	2.06	.73	*	*
Horse Beans	5.82	1.51	3.12	7.79	*	*	-	-	1.70	.61	*	*
Field Peas	*	*	*	*	*	*	-	-	*	*	-	-
Haricot Beans	*	*	*	*	*	*	-	-	-	-	-	-
Chick Peas	*	*	*	*	*	*	-	-	-	-	-	-
Lentils	*	*	*	*	*	*	*	*	*	*	*	*
Vetch	*	*	-	-	-	-	*	*	*	*	-	-
OILSEEDS	1.75	.45	1.29	3.22	-	-	-	-	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	*	*	*	*	-	-	-	-	*	*	-	-
Rape seed	1.13	.29	1.04	2.60	-	-	-	-	*	*	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	*	*	*	*	-	-	-	-	-	-	-	-
OTHERS	3.77	.97	2.94	7.34	*	*	*	*	.46	.16	*	*
Fenugreek	*	*	-	-	*	*	*	*	*	*	*	*
Spices	*	*	*	*	*	*	-	-	*	*	*	*
Potatoes	.83	.21	.68	1.70	*	*	-	-	*	*	-	-
Other Vegetables	2.03	.52	1.76	4.39	*	*	-	-	*	*	*	*
ALL TEMPORARY	371.34	96.03	24.79	61.87	44.38	100.00	6.52	100.00	280.74	99.99	*	*
Chat	*	*	*	*	-	-	-	-	-	-	*	*
Coffee	*	*	*	*	-	-	-	-	-	-	-	-
Enset	13.34	3.45	13.31	33.22	-	-	-	-	*	*	*	*
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	.06	.02	.06	.15	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-	-	-	-	-
Other Permanent	.48	.12	.47	1.17	-	-	-	-	-	-	*	*
TOTAL PERMANENT	15.35	3.97	15.29	38.16	-	-	-	-	*	*	*	*
ALL CROPS	386.69	100.00	40.07	100.00	44.38	100.00	6.52	100.00	280.77	100.00	*	*

TABLE 2.6.6

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

North Shewa

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	102.13	95.16	7.39	64.71	*	*	2.22	92.12	84.72	99.11	*	*
Teff	50.80	47.33	1.60	14.01	*	*	1.72	71.37	44.79	52.40	*	*
Barely	*	*	2.55	22.33	*	*	*	*	*	*	*	*
Wheat	41.76	38.91	1.11	9.72	*	*	*	*	36.74	42.98	*	*
Maize	2.15	2.00	2.07	18.13	-	-	-	-	-	-	*	*
Sorghum	*	*	*	*	-	-	-	-	-	-	-	-
Millet	*	*	*	*	-	-	-	-	-	-	-	-
Oats	*	*	*	*	-	-	*	*	*	*	-	-
PULSES	3.64	3.39	2.76	24.17	*	*	*	*	.51	.60	-	-
Horse Beans	2.80	2.61	2.52	22.07	*	*	-	-	*	*	-	-
Field Peas	*	*	*	*	*	*	*	*	*	*	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	.52	.48	*	*	-	-	-	-	-	-	-	-
Lentils	*	*	*	*	-	-	-	-	*	*	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.54	.50	.40	3.50	*	*	-	-	*	*	*	*
Neug	*	*	*	*	-	-	-	-	-	-	-	-
Lin Seed	*	*	*	*	-	-	-	-	*	*	-	-
Rape seed	.24	.22	.21	1.84	*	*	-	-	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	-	-	*	*	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	.65	.61	.49	4.29	*	*	*	*	*	*	-	-
Fenugreek	*	*	-	-	*	*	-	-	*	*	-	-
Spices	*	*	*	*	-	-	-	-	-	-	-	-
Potatoes	*	*	*	*	-	-	*	*	*	*	-	-
Other Vegetables	.39	.36	.36	3.15	-	-	-	-	*	*	-	-
ALL TEMPORARY	106.96	99.66	11.05	96.76	*	*	2.41	100.00	85.48	100.00	*	*
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	-	-	-	-	-	-	-	-
Enset	.01	.01	.01	.09	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	.04	.04	.04	.35	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-	-	-	-	-
Other Permanent	.21	.20	.21	1.84	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	*	-	-	-	-	-	-	-	-
ALL CROPS	107.33	100.00	11.42	100.00	*	*	2.41	100.00	85.48	100.00	*	*

TABLE 2.6.7

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

East Shewa

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	203.07	90.13	15.08	77.10	25.30	74.52	3.36	90.08	156.50	95.02	*	*
Teff	84.75	37.61	*	*	6.77	19.94	*	*	76.13	46.22	*	*
Barely	7.03	3.12	*	*	1.52	4.48	*	*	5.37	3.26	-	-
Wheat	62.73	27.84	*	*	3.62	10.66	1.19	31.90	57.40	34.85	*	*
Maize	47.07	20.89	13.86	70.86	12.90	38.00	*	*	17.30	10.50	*	*
Sorghum	1.25	.55	*	*	.45	1.33	-	-	*	*	-	-
Millet	*	*	*	*	*	*	*	*	*	*	-	-
Oats	*	*	-	-	*	*	-	-	*	*	-	-
PULSES	11.04	4.90	1.22	6.24	5.14	15.14	*	*	4.33	2.63	*	*
Horse Beans	1.75	.78	*	*	*	*	*	*	.73	.44	*	*
Field Peas	*	*	*	*	*	*	-	-	*	*	*	*
Haricot Beans	5.56	2.47	*	*	*	*	*	*	*	*	*	*
Chick Peas	*	*	-	-	*	*	-	-	*	*	-	-
Lentils	.67	.30	-	-	*	*	-	-	.38	.23	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.65	.29	.44	2.25	*	*	-	-	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	.44	.20	.27	1.38	*	*	-	-	*	*	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	-	-	-	-	*	*	-	-
Sesame	*	*	*	*	*	*	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	9.35	4.15	1.74	8.90	*	*	*	*	3.73	2.26	.32	9.50
Fenugreek	*	*	-	-	*	*	-	-	*	*	-	-
Spices	*	*	*	*	-	-	-	-	*	*	*	*
Potatoes	*	*	*	*	*	*	*	*	*	*	*	*
Other Vegetables	2.90	1.29	1.52	7.77	*	*	*	*	.73	.44	*	*
ALL TEMPORARY	224.12	99.47	18.48	94.48	33.91	99.88	3.73	100.00	164.70	99.99	3.30	97.92
Chat	*	*	*	*	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Enset	*	*	*	*	-	-	-	-	-	-	*	*
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	*	*	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-	-	-	-	-
Other Permanent	.23	.10	.19	.97	*	*	-	-	-	-	-	-
TOTAL PERMANENT	1.20	.53	*	*	*	*	-	-	-	-	*	*
ALL CROPS	225.32	100.00	19.56	100.00	33.95	100.00	3.73	100.00	164.71	100.00	3.37	100.00

TABLE 2.6.8

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Arsi

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	376.87	87.22	23.56	74.23	306.82	88.09	2.73	82.73	36.59	95.76	7.18	68.06
Teff	42.26	9.78	*	*	29.70	8.53	1.19	36.06	9.62	25.18	*	*
Barely	108.20	25.04	2.51	7.91	101.79	29.23	*	*	1.38	3.61	2.40	22.75
Wheat	188.92	43.72	.82	2.58	159.65	45.84	*	*	24.75	64.77	2.85	27.01
Maize	26.99	6.25	14.06	44.30	10.34	2.97	*	*	*	*	*	*
Sorghum	*	*	*	*	*	*	-	-	*	*	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	*	*	*	*	*	*	-	-	*	*	*	*
PULSES	37.19	8.61	3.49	11.00	30.29	8.70	*	*	*	*	*	*
Horse Beans	28.91	6.69	2.83	8.92	23.01	6.61	*	*	*	*	*	*
Field Peas	-	-	.29	.91	*	*	*	*	*	*	*	*
Haricot Beans	*	*	*	*	*	*	-	-	*	*	-	-
Chick Peas	*	*	-	-	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	*	*	-	-	*	*	-	-
Vetch	*	*	-	-	*	*	-	-	-	-	-	-
OILSEEDS	9.99	2.31	*	*	8.49	2.44	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	6.02	1.39	-	-	5.03	1.44	*	*	*	*	*	*
Rape seed	*	*	*	*	*	*	-	-	*	*	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	*	*	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	5.70	1.32	2.11	6.65	2.66	.76	*	*	*	*	*	*
Fenugreek	*	*	*	*	*	*	-	-	-	-	-	-
Spices	*	*	*	*	*	*	*	*	*	*	*	*
Potatoes	2.74	.63	*	*	1.87	.54	-	-	*	*	*	*
Other Vegetables	2.25	.52	1.27	4.00	*	*	*	*	*	*	*	*
ALL TEMPORARY	429.75	99.46	29.43	92.72	348.26	99.99	3.30	100.00	38.21	100.00	10.55	100.00
Chat	*	*	*	*	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	-	-	-	-	-	-	-	-
Enset	*	*	*	*	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	.10	.02	.09	.28	*	*	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-	-	-	-	-
Other Permanent	*	*	*	*	*	*	-	-	-	-	-	-
TOTAL PERMANENT	2.34	.54	2.30	7.25	*	*	-	-	-	-	-	-
ALL CROPS	432.09	100.00	31.74	100.00	348.29	100.00	3.30	100.00	38.21	100.00	10.55	100.00

TABLE 2.6.9

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

West Harge

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	35.48	72.88	20.84	71.74	5.16	80.50	1.52	66.38	6.73	72.37	*	*
Teff	*	*	1.32	4.54	*	*	.18	7.86	*	*	*	*
Barely	.51	1.05	.40	1.38	*	*	*	*	*	*	-	-
Wheat	*	*	*	*	-	-	*	*	*	*	*	*
Maize	16.44	33.77	9.73	33.49	2.63	41.03	.75	32.75	2.85	30.65	.49	30.06
Sorghum	11.17	22.95	9.04	31.12	*	*	*	*	*	*	*	*
Millet	*	*	.07	.24	-	-	-	-	*	*	-	-
Oats	*	*	*	*	*	*	-	-	*	*	-	-
PULSES	2.92	6.00	2.23	7.68	*	*	.15	6.55	*	*	*	*
Horse Beans	*	*	*	*	-	-	-	-	-	-	-	-
Field Peas	*	*	*	*	-	-	*	*	-	-	-	-
Haricot Beans	2.23	4.58	1.73	5.96	.09	1.40	.14	6.11	*	*	*	*
Chick Peas	*	*	*	*	*	*	-	-	*	*	-	-
Lentils	*	*	*	*	-	-	-	-	-	-	-	-
Vetch	*	*	-	-	*	*	-	-	-	-	-	-
OILSEEDS	*	*	*	*	*	*	-	-	*	*	-	-
Neug	*	*	-	-	-	-	-	-	*	*	-	-
Lin Seed	*	*	*	*	-	-	-	-	*	*	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	*	*	*	*	*	*	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	1.58	3.25	1.22	4.20	*	*	*	*	*	*	*	*
Fenugreek	*	*	*	*	-	-	-	-	-	-	-	-
Spices	*	*	*	*	*	*	-	-	*	*	-	-
Potatoes	*	*	*	*	-	-	-	-	-	-	-	-
Other Vegetables	1.25	2.57	.93	3.20	*	*	*	*	*	*	*	*
ALL TEMPORARY	40.22	82.62	24.41	84.03	5.53	86.27	1.67	72.93	7.26	78.06	*	*
Chat	3.60	7.40	2.06	7.09	.35	5.46	.33	14.41	*	*	*	*
Coffee	4.56	9.37	2.31	7.95	*	*	.28	12.23	*	*	*	*
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	.14	.29	.14	.48	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-	-	-	-	-
Other Permanent	*	*	*	*	-	-	-	-	*	*	-	-
TOTAL PERMANENT	8.46	17.38	4.64	15.97	.87	13.57	.62	27.07	*	*	*	*
ALL CROPS	48.68	100.00	29.05	100.00	6.41	100.00	2.29	100.00	9.30	100.00	1.63	100.00

TABLE 2.6.10

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

East Harerge

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TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	74.66	70.21	27.82	66.22	3.75	73.53	7.35	73.06	24.86	84.47	10.89	55.17
Teff	*	*	*	*	*	*	*	*	*	*	*	*
Barely	1.08	1.02	.46	1.09	*	*	*	*	.46	1.56	*	*
Wheat	11.73	11.03	*	*	*	*	.77	7.65	7.34	24.94	*	*
Maize	29.26	27.52	12.93	30.78	.91	17.84	2.16	21.47	9.28	31.53	3.99	20.21
Sorghum	30.69	28.86	12.36	29.42	*	*	3.97	39.46	6.88	23.38	*	*
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	*	*	*	*	-	-	-	-	*	*	-	-
PULSES	5.93	5.58	1.74	4.14	*	*	.72	7.16	1.36	4.62	*	*
Horse Beans	*	*	*	*	*	*	*	*	*	*	*	*
Field Peas	*	*	*	*	-	-	-	-	-	-	*	*
Haricot Beans	4.62	4.34	1.20	2.86	*	*	.70	6.96	1.07	3.64	*	*
Chick Peas	*	*	-	-	-	-	-	-	*	*	-	-
Lentils	*	*	*	*	-	-	-	-	*	*	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	*	*	-	-	-	-	-	-	-	-	-	-
Rape seed	*	*	*	*	-	-	-	-	-	-	-	-
Ground Nuts	*	*	*	*	*	*	*	*	*	*	*	*
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	7.44	7.00	3.07	7.31	*	*	.46	4.57	.98	3.33	2.72	13.78
Fenugreek	*	*	*	*	-	-	-	-	-	-	*	*
Spices	*	*	.05	.12	-	-	*	*	-	-	*	*
Potatoes	4.01	3.77	1.04	2.48	*	*	.30	2.98	.48	1.63	2.10	10.64
Other Vegetables	3.28	3.08	1.93	4.59	*	*	.15	1.49	.50	1.70	*	*
ALL TEMPORARY	89.95	84.59	33.69	80.20	4.67	91.57	8.61	85.59	27.30	92.76	15.68	79.43
Chat	14.74	13.86	6.77	16.12	.43	8.43	1.41	14.02	2.11	7.17	4.03	20.42
Coffee	1.21	1.14	1.16	2.76	-	-	-	-	*	*	*	*
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	.09	.08	.09	.21	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-	-	-	-	-
Other Permanent	*	*	*	*	-	-	*	*	-	-	*	*
TOTAL PERMANENT	16.39	15.41	8.32	19.80	.43	8.43	1.45	14.41	2.13	7.24	4.06	20.57
ALL CROPS	106.34	100.00	42.01	100.00	5.10	100.00	10.06	100.00	29.43	100.00	19.74	100.00

TABLE 2.6.11

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Bale

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TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	119.53	95.24	2.68	40.48	108.35	98.14	1.06	100.00	*	*	*	*
Teff	3.82	3.04	*	*	3.46	3.13	*	*	-	-	-	-
Barely	27.71	22.08	*	*	26.48	23.99	*	*	*	*	*	*
Wheat	78.48	62.53	*	*	70.35	63.72	.58	54.72	*	*	*	*
Maize	3.08	2.45	.83	12.54	*	*	-	-	*	*	-	-
Sorghum	*	*	*	*	*	*	*	*	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	6.10	4.86	*	*	5.70	5.16	*	*	*	*	-	-
PULSES	1.37	1.09	.07	1.06	1.30	1.18	-	-	-	-	-	-
Horse Beans	.67	.53	*	*	.63	.57	-	-	-	-	-	-
Field Peas	-	-	*	*	*	*	-	-	-	-	-	-
Haricot Beans	*	*	*	*	*	*	-	-	-	-	-	-
Chick Peas	*	*	-	-	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	*	*	-	-	-	-	-	-
Vetch	*	*	-	-	*	*	-	-	-	-	-	-
OILSEEDS	*	*	*	*	*	*	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	*	*	-	-	*	*	-	-	-	-	-	-
Rape seed	*	*	*	*	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	1.51	1.20	.83	12.54	*	*	-	-	-	-	-	-
Fenugreek	*	*	-	-	*	*	-	-	-	-	-	-
Spices	*	*	*	*	*	*	-	-	-	-	-	-
Potatoes	*	*	*	*	-	-	-	-	-	-	-	-
Other Vegetables	.47	.37	.38	5.74	*	*	-	-	-	-	-	-
ALL TEMPORARY	122.46	97.57	3.58	54.08	110.38	99.98	1.06	100.00	*	*	*	*
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	*	*	-	-	-	-	-	-
Enset	2.85	2.27	2.85	43.05	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	*	*	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-	-	-	-	-
Other Permanent	*	*	*	*	-	-	-	-	-	-	-	-
TOTAL PERMANENT	3.05	2.43	3.03	45.77	*	*	-	-	-	-	-	-
ALL CROPS	125.51	100.00	6.62	100.00	110.40	100.00	1.06	100.00	*	*	*	*

TABLE 2.6.12

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1998 E.C.)

Borana

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TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	13.83	62.92	2.59	25.54	7.46	94.79	.45	97.83	3.09	94.50	*	*
Teff	*	*	-	-	*	*	*	*	*	*	*	*
Barely	*	*	*	*	*	*	*	*	*	*	-	-
Wheat	*	*	-	-	*	*	-	-	-	-	-	-
Maize	5.20	23.66	1.06	10.45	1.68	21.35	*	*	2.05	62.69	*	*
Sorghum	-	-	-	-	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	.41	1.87	.36	3.55	*	*	-	-	-	-	-	-
Horse Beans	*	*	*	*	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	.16	.73	.12	1.18	*	*	-	-	-	-	-	-
Chick Peas	*	*	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	1.57	7.14	*	*	*	*	-	-	*	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	*	*	*	*	*	*	-	-	-	-	-	-
Other Vegetables	1.51	6.87	*	*	*	*	-	-	*	*	*	*
ALL TEMPORARY	15.82	71.97	4.31	42.50	7.66	97.33	.46	100.00	3.15	96.33	*	*
Chat	*	*	*	*	-	-	-	-	-	-	-	-
Coffee	1.79	8.14	*	*	*	*	-	-	*	*	-	-
Enset	3.90	17.74	3.82	37.67	*	*	-	-	*	*	*	*
Cotton	*	*	*	*	-	-	-	-	-	-	-	-
Tobacco	*	*	*	*	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	*	*	-	-	*	*	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	6.17	28.07	5.83	57.50	*	*	-	-	*	*	*	*
ALL CROPS	21.98	100.00	10.14	100.00	7.87	100.00	.46	100.00	3.27	100.00	*	*

TABLE 2.7

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Somale

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TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	*	*	*	*	*	*	.07	100.00	*	*	*	*
Teff	-	-	-	-	-	-	-	-	-	-	-	-
Barely	*	*	*	*	*	*	-	-	-	-	-	-
Wheat	.23	*	*	*	*	*	*	*	-	-	*	*
Maize	*	*	*	*	*	*	*	*	*	*	-	-
Sorghum	.30	*	.30	*	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	.04	*	.04	*	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	.04	*	.04	*	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	*	*	*	*	-	-	-	-	-	-	-	-
Other Vegetables	*	*	*	*	-	-	-	-	-	-	-	-
ALL TEMPORARY	*	*	*	*	*	*	.07	100.00	*	*	*	*
Chat	*	*	*	*	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	*	-	-	-	-	-	-	-	-
ALL CROPS	*	*	*	*	*	*	.07	100.00	*	*	*	*

TABLE 2.7.1

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Shinele

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TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	.14	70.00	.13	72.22	.01	100.00	-	-	-	-	-	-
Teff	-	-	-	-	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Maize	.02	10.00	.02	11.11	*	*	-	-	-	-	-	-
Sorghum	.12	60.00	.12	66.67	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-	-	-	-	-
ALL TEMPORARY	.15	75.00	.14	77.78	.01	100.00	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	.04	20.00	.04	22.22	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	.05	25.00	.04	22.22	-	-	-	-	-	-	-	-
ALL CROPS	.20	100.00	.18	100.00	.01	100.00	-	-	-	-	-	-

TABLE 2.7.2

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1995 E.C.)

Jijiga

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TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	*	*	*	*	-	-	.06	100.00	-	-	*	*
Teff	-	-	-	-	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	.23	*	*	*	-	-	.06	100.00	-	-	*	*
Maize	*	*	*	*	-	-	-	-	-	-	-	-
Sorghum	*	*	*	*	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	.03	*	.03	1.01	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	.03	*	.03	1.01	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	*	*	*	*	-	-	-	-	-	-	-	-
Other Vegetables	*	*	*	*	-	-	-	-	-	-	-	-
ALL TEMPORARY	*	*	*	*	-	-	.06	100.00	-	-	*	*
Chat	1.11	*	1.11	37.25	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	1.11	*	1.11	37.25	-	-	-	-	-	-	-	-
ALL CROPS	*	*	2.98	100.00	-	-	.06	100.00	-	-	*	*

TABLE 2.7.3

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Moyale

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	.21	95.45	.19	95.00	-	-	-	-	-	-	-	-
Teff	-	-	-	-	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Maize	.20	90.91	.18	90.00	-	-	-	-	-	-	-	-
Sorghum	*	*	*	*	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	*	*	.01	5.00	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	*	*	.01	5.00	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-	-	-	-	-
ALL TEMPORARY	.22	100.00	.20	100.00	-	-	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-	-	-	-	-
ALL CROPS	.22	100.00	.20	100.00	-	-	-	-	-	-	-	-

TABLE 2.8

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Benshangul-Gumuz

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	20.20	87.33	7.12	77.56	4.92	94.80	.47	62.67	7.09	97.39	.60	82.19
Teff	5.50	23.78	*	*	*	*	.20	26.67	*	*	-	-
Barely	*	*	*	*	*	*	-	-	*	*	-	-
Wheat	*	*	*	*	*	*	*	*	*	*	-	-
Maize	10.97	47.43	5.14	55.99	.29	5.59	.13	17.33	4.82	66.21	.60	82.19
Sorghum	.36	1.56	.28	3.05	*	*	-	-	*	*	-	-
Millet	*	*	*	*	1.50	28.90	*	*	*	*	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	.79	3.42	.76	8.28	*	*	-	-	*	*	*	*
Horse Beans	.53	2.29	.53	5.77	-	-	-	-	-	*	-	-
Field Peas	*	*	*	*	-	-	-	-	-	-	*	*
Haricot Beans	.05	.22	.05	.54	-	-	-	-	-	-	-	-
Chick Peas	*	*	-	-	-	-	-	-	*	*	-	-
Lentils	*	*	*	*	*	*	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.22	.95	.15	1.63	.03	.58	*	*	*	*	*	*
Neug	*	*	*	*	*	*	-	-	-	-	-	-
Lin Seed	.02	.09	*	*	*	*	-	-	-	-	-	-
Rape seed	*	*	.03	.33	*	*	-	-	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	-	-	-	-	*	*	*	*	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	1.44	6.23	.68	7.41	.24	4.62	.26	34.67	.16	2.20	.10	13.70
Fenugreek	*	*	*	*	-	-	-	-	-	-	-	-
Spices	.86	3.72	.29	3.16	.13	2.50	.24	32.00	.15	2.06	*	*
Potatoes	*	*	*	*	-	-	-	-	-	-	*	*
Other Vegetables	.31	1.34	.17	1.85	*	*	*	*	*	*	-	-
ALL TEMPORARY	22.64	97.88	8.70	94.77	5.19	100.00	.74	98.67	7.27	99.86	.72	98.63
Chat	.02	.09	.02	.22	-	-	-	-	-	-	-	-
Coffee	.33	1.43	.33	3.59	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	.02	.09	.02	.22	-	-	-	-	-	-	-	-
Fruits	.06	.26	.06	.65	-	-	-	-	-	-	-	-
Other Permanent	.05	.22	.05	.54	-	-	-	-	-	-	-	-
TOTAL PERMANENT	.49	2.12	.48	5.23	-	-	-	-	-	-	-	-
ALL CROPS	23.13	100.00	9.18	100.00	5.19	100.00	.75	100.00	7.28	100.00	.73	100.00

TABLE 2.8.1

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Metekel

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	14.93	89.29	4.52	76.35	4.20	95.89	*	*	5.68	99.82	*	*
Teff	*	*	*	*	*	*	-	-	*	*	-	-
Barely	*	*	*	*	*	*	-	-	*	*	-	-
Wheat	*	*	*	*	*	*	*	*	*	*	-	-
Maize	6.94	41.51	2.70	45.61	.23	5.25	*	*	3.63	63.80	*	*
Sorghum	*	*	*	*	-	-	-	-	-	-	-	-
Millet	1.95	11.66	-	-	1.50	34.25	*	*	*	*	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	.77	4.61	.74	12.50	*	*	-	-	*	*	*	*
Horse Beans	.53	3.17	.53	8.95	-	-	-	-	*	*	-	-
Field Peas	*	*	.15	2.53	-	-	-	-	-	-	*	*
Haricot Beans	.03	.18	.03	.51	-	-	-	-	-	-	-	-
Chick Peas	*	*	-	-	-	-	-	-	*	*	-	-
Lentils	*	*	*	*	*	*	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.13	.78	*	*	*	*	*	*	-	-	*	*
Neug	*	*	*	*	*	*	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	*	*	.03	.51	*	*	-	-	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	-	-	-	-	*	*	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	.68	4.07	.36	6.08	*	*	*	*	-	-	*	*
Fenugreek	*	*	*	*	-	-	-	-	-	-	-	-
Spices	.20	1.20	.06	1.01	*	*	*	*	-	-	-	-
Potatoes	*	*	*	*	-	-	-	-	-	-	*	*
Other Vegetables	*	*	.09	1.52	*	*	*	*	-	-	-	-
ALL TEMPORARY	16.51	98.74	5.71	96.45	4.37	99.77	*	*	5.69	100.00	.43	100.00
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	.16	.96	.16	2.70	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	*	*	-	-	-	-	-	-	-	-
Fruits	.01	.06	.01	.17	-	-	-	-	-	-	-	-
Other Permanent	*	*	*	*	-	-	-	-	-	-	-	-
TOTAL PERMANENT	.21	1.26	.21	3.55	-	-	-	-	-	-	-	-
ALL CROPS	16.72	100.00	5.92	100.00	4.38	100.00	*	*	5.69	100.00	.43	100.00

TABLE 2.8.2

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Asosa

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	4.33	80.04	2.41	79.54	.70	88.61	.25	62.50	.79	83.16	*	*
Teff	1.03	19.04	*	*	.61	77.22	.20	50.00	*	*	-	-
Barely	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Maize	3.09	57.12	2.25	74.26	*	*	*	*	.56	58.95	*	*
Sorghum	*	*	*	*	*	*	-	-	*	*	-	-
Millet	*	*	*	*	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	*	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.05	.92	*	*	*	*	-	-	*	*	-	-
Neug	*	*	*	*	-	-	-	-	-	-	-	-
Lin Seed	.02	.37	*	*	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	-	-	-	-	-	-	*	*	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	.73	13.49	.30	9.90	.09	11.39	.14	35.00	.15	15.79	*	*
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	.66	12.20	.23	7.59	.09	11.39	.14	35.00	.15	15.79	*	*
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	.08	1.48	.08	2.64	-	-	-	-	-	-	-	-
ALL TEMPORARY	5.13	94.82	2.75	90.76	.79	100.00	.40	100.00	.95	100.00	*	*
Chat	.02	.37	.02	.66	-	-	-	-	-	-	-	-
Coffee	.17	3.14	.16	5.28	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	.01	.18	.01	.33	-	-	-	-	-	-	-	-
Fruits	.05	.92	.05	1.65	-	-	-	-	-	-	-	-
Other Permanent	.03	.55	.03	.99	-	-	-	-	-	-	-	-
TOTAL PERMANENT	.28	5.18	.28	9.24	-	-	-	-	-	-	-	-
ALL CROPS	5.41	100.00	3.03	100.00	.79	100.00	.40	100.00	.95	100.00	*	*

TABLE 2.8.3

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Kameshi

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	.94	94.00	*	*	-	-	-	-	.62	98.41	*	*
Teff	-	-	-	-	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Maize	.94	94.00	*	*	-	-	-	-	.62	98.41	*	*
Sorghum	-	-	-	-	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	*	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	-	-	-	-	-	-	-	-
Neug	*	*	*	*	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	-	-	-	-	*	*	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	*	*	*	*	-	-	-	-	*	*	-	-
ALL TEMPORARY	1.00	100.00	*	*	-	-	-	-	.63	100.00	*	*
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-	-	-	-	-
ALL CROPS	1.00	100.00	*	*	-	-	-	-	.63	100.00	*	*

TABLE 2.9

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

(S.N.N.P.R)

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	386.46	55.73	72.69	23.37	173.11	80.39	15.78	81.34	117.07	87.17	7.81	58.46
Teff	81.54	11.76	2.10	.68	50.95	23.66	5.14	26.49	22.96	17.10	*	*
Barely	31.58	4.55	6.42	2.06	18.93	8.79	*	*	4.91	3.66	*	*
Wheat	82.79	11.94	3.26	1.05	39.40	18.30	.63	3.25	39.33	29.29	*	*
Maize	173.24	24.98	48.80	15.69	60.83	28.25	8.91	45.93	48.27	35.94	6.42	48.05
Sorghum	15.39	2.22	12.02	3.86	2.08	.97	.43	2.22	.78	.58	*	*
Millet	1.89	.27	*	*	.89	.41	*	*	*	*	*	*
Oats	*	*	-	-	*	*	-	-	-	-	-	-
PULSES	51.02	7.36	16.85	5.42	26.00	12.07	.87	4.48	5.61	4.18	*	*
Horse Beans	17.20	2.48	5.97	1.92	9.17	4.26	*	*	1.26	.94	*	*
Field Peas	*	*	.78	.25	7.16	3.32	*	*	.82	.61	*	*
Haricot Beans	23.63	3.41	9.49	3.05	9.34	4.34	.61	3.14	3.47	2.58	*	*
Chick Peas	9.13	1.32	.51	.16	*	*	*	*	-	-	-	-
Lentils	.23	.03	.08	.03	.09	.04	*	*	.06	.04	-	-
Vetch	*	*	*	*	-	-	-	-	-	-	-	-
OILSEEDS	1.82	.26	.84	.27	.51	.24	*	*	.16	.12	*	*
Neug	*	*	*	*	*	*	-	-	*	*	-	-
Lin Seed	.14	.02	*	*	*	*	-	-	*	*	-	-
Rape seed	1.32	.19	.61	.20	.32	.15	*	*	*	*	*	*
Ground Nuts	*	*	*	*	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	*	*	*	*	*	*	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	62.30	8.98	42.78	13.75	8.51	3.95	1.13	5.82	9.04	6.73	.85	6.36
Fenugreek	*	*	*	*	*	*	-	-	*	*	-	-
Spices	15.77	2.27	2.70	.87	5.08	2.36	.62	3.20	7.06	5.26	.31	2.32
Potatoes	8.08	1.17	4.84	1.56	1.92	.89	*	*	1.16	.86	*	*
Other Vegetables	38.32	5.53	35.22	11.32	1.49	.69	.47	2.42	.74	.55	.42	3.14
ALL TEMPORARY	501.60	72.34	133.16	42.81	208.12	96.65	17.94	92.47	131.87	98.19	10.51	78.67
Chat	9.44	1.36	7.54	2.42	*	*	*	*	.46	.34	.07	.52
Coffee	31.47	4.54	23.87	7.67	4.40	2.04	.89	4.59	1.47	1.09	*	*
Enset	145.83	21.03	141.91	45.63	1.40	.65	.30	1.55	.40	.30	1.82	13.62
Cotton	.84	.12	.84	.27	-	-	-	-	-	-	-	-
Tobacco	.31	.04	.31	.10	-	-	-	-	-	-	-	-
Fruits	1.75	.25	1.52	.49	*	*	*	*	*	*	*	*
Other Permanent	2.19	.32	1.89	.61	.12	.06	*	*	*	*	*	*
TOTAL PERMANENT	191.84	27.67	177.87	57.19	7.22	3.35	1.47	7.58	2.43	1.81	2.85	21.33
ALL CROPS	693.43	100.00	311.03	100.00	215.34	100.00	19.40	100.00	134.30	100.00	13.36	100.00

TABLE 2.9.1

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Gurage

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	97.19	63.94	10.53	21.18	53.87	84.13	3.81	89.02	25.70	87.39	3.28	72.09
Teff	28.18	18.54	*	*	*	*	*	*	8.03	27.30	*	*
Barely	20.40	13.42	1.10	2.21	15.27	23.85	*	*	*	*	*	*
Wheat	16.86	11.09	.33	.66	13.38	20.90	.23	5.37	2.91	9.89	-	-
Maize	29.86	19.65	8.72	17.54	5.82	9.09	*	*	11.59	39.41	*	*
Sorghum	1.87	1.23	.34	.68	1.02	1.59	.30	7.01	*	*	*	*
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	*	*	-	-	*	*	-	-	-	-	-	-
PULSES	12.74	8.38	3.11	6.26	*	*	*	*	.99	3.37	*	*
Horse Beans	5.78	3.80	2.73	5.49	1.88	2.94	*	*	.51	1.73	*	*
Field Peas	*	*	*	*	*	*	*	*	*	*	*	*
Haricot Beans	.56	.37	.15	.30	*	*	*	*	*	*	-	-
Chick Peas	*	*	*	*	-	-	-	-	-	-	-	-
Lentils	*	*	*	*	-	-	-	-	-	-	-	-
Vetch	*	*	*	*	-	-	-	-	-	-	-	-
OILSEEDS	.54	.36	*	*	*	*	-	-	*	*	-	-
Neug	*	*	*	*	*	*	-	-	*	*	-	-
Lin Seed	*	*	-	-	*	*	-	-	-	-	-	-
Rape seed	.26	.17	.12	.24	*	*	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	8.82	5.80	3.28	6.60	*	*	*	*	*	*	.24	5.27
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	4.99	3.28	*	*	*	*	*	*	*	*	*	*
Potatoes	1.29	.85	.51	1.03	.64	1.00	-	-	*	*	*	*
Other Vegetables	2.54	1.67	2.47	4.97	.02	.03	*	*	*	*	*	*
ALL TEMPORARY	119.30	78.49	17.19	34.57	64.02	99.98	4.27	99.77	29.41	100.00	4.41	96.92
Chat	3.57	2.35	3.56	7.16	-	-	-	-	-	-	-	-
Coffee	1.84	1.21	1.84	3.70	-	-	-	-	-	-	-	-
Enset	26.52	17.45	26.38	53.06	-	-	-	-	-	-	*	*
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	*	*	-	-	-	-	-	-	-	-
Fruits	.18	.12	.18	.36	-	-	-	-	-	-	-	-
Other Permanent	*	*	*	*	-	-	*	*	-	-	*	*
TOTAL PERMANENT	32.70	21.51	32.53	65.43	*	*	*	*	-	-	*	*
ALL CROPS	151.99	100.00	49.72	100.00	64.03	100.00	4.28	100.00	29.41	100.00	4.55	100.00

TABLE 2.9.2

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1995 E.C.)

Hadiya

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TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	92.30	73.04	7.39	23.14	37.54	83.94	.65	81.25	46.25	95.82	.47	72.31
Teff	22.26	17.61	*	*	11.02	24.64	.17	21.25	11.00	22.79	*	*
Barely	4.48	3.55	.24	.75	2.79	6.24	*	*	*	*	*	*
Wheat	43.03	34.05	.35	1.10	16.76	37.48	*	*	25.79	53.43	*	*
Maize	20.80	16.46	5.83	18.26	6.64	14.85	.38	47.50	7.59	15.72	.36	55.38
Sorghum	1.53	1.21	.91	2.85	.26	.58	*	*	.34	.70	*	*
Millet	.20	.16	-	-	*	*	*	*	*	*	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	8.47	6.70	.77	2.41	6.34	14.18	*	*	1.22	2.53	*	*
Horse Beans	6.09	4.82	.40	1.25	5.08	11.36	*	*	.50	1.04	*	*
Field Peas	*	*	*	*	1.04	2.33	-	-	*	*	-	-
Haricot Beans	.70	.55	.32	1.00	.17	.38	*	*	*	*	*	*
Chick Peas	1.57	1.24	*	*	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	*	*	-	-	*	*	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.31	.25	.11	.34	*	*	-	-	.08	.17	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	.09	.07	*	*	*	*	-	-	*	*	-	-
Rape seed	*	*	.10	.31	*	*	-	-	*	*	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	6.12	4.84	4.92	15.41	.56	1.25	*	*	.54	1.12	*	*
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	.70	.55	.29	.91	*	*	*	*	*	*	-	-
Potatoes	.69	.55	.19	.60	.17	.38	*	*	.31	.64	*	*
Other Vegetables	4.72	3.74	4.43	13.87	*	*	-	-	*	*	.03	4.62
ALL TEMPORARY	107.19	84.82	13.18	41.28	44.56	99.64	.78	97.50	48.10	99.65	.57	87.69
Chat	1.11	.88	1.07	3.35	*	*	-	-	.02	.04	*	*
Coffee	2.39	1.89	2.07	6.48	.14	.31	*	*	*	*	*	*
Enset	15.24	12.06	15.19	47.57	*	*	-	-	-	-	*	*
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	.10	.08	.10	.31	-	-	-	-	-	-	-	-
Fruits	.13	.10	.12	.38	-	-	-	-	-	-	-	-
Other Permanent	.20	.16	.19	.60	-	-	-	-	-	-	-	-
TOTAL PERMANENT	19.18	15.18	18.75	58.72	.17	.38	*	*	*	*	.08	12.31
ALL CROPS	126.37	100.00	31.93	100.00	44.72	100.00	.80	100.00	48.27	100.00	.65	100.00

TABLE 2.9.3

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Keribata Alaba Terbaro

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TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	49.51	63.42	6.35	28.41	23.16	78.62	2.56	87.37	17.31	75.46	.13	34.21
Teff	10.78	13.81	.06	.27	7.19	24.41	*	*	2.65	11.55	*	*
Barely	.98	1.26	*	*	.57	1.26	*	*	.48	2.09	*	*
Wheat	14.51	18.59	*	*	6.15	20.88	*	*	7.79	33.96	-	-
Maize	19.89	25.48	4.97	22.24	7.98	27.09	1.30	44.37	5.53	24.11	*	*
Sorghum	1.72	2.20	.87	3.89	.65	2.21	*	*	.16	.70	-	-
Millet	1.62	2.08	*	*	.81	2.75	*	*	*	*	*	*
Oats	*	*	-	-	*	*	-	-	-	-	-	-
PULSES	3.99	5.11	.85	3.80	*	*	*	*	.50	2.18	-	-
Horse Beans	*	*	.37	1.66	*	*	-	-	.26	1.13	-	-
Field Peas	*	*	*	*	*	*	-	-	*	*	-	-
Haricot Beans	.84	1.08	.35	1.57	.30	1.02	*	*	.15	.65	-	-
Chick Peas	.39	.50	*	*	-	-	-	-	-	-	-	-
Lentils	.04	.05	-	-	.02	.07	-	-	*	*	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.19	.24	.18	.81	*	*	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	.19	.24	.18	.81	*	*	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	14.42	18.47	5.26	23.53	3.61	12.25	*	*	5.06	22.06	.21	55.26
Fenugreek	*	*	-	-	*	*	-	-	*	*	-	-
Spices	8.88	11.37	.93	4.16	3.24	11.00	*	*	4.33	18.88	*	*
Potatoes	1.13	1.45	.31	1.39	.22	.75	*	*	*	*	.02	5.26
Other Vegetables	4.31	5.52	4.01	17.94	.13	.44	*	*	*	*	*	*
ALL TEMPORARY	68.11	87.24	12.64	56.55	29.36	99.66	2.90	98.98	22.87	99.69	.34	89.47
Chat	.71	.91	.66	2.95	*	*	-	-	*	*	*	*
Coffee	2.52	3.23	2.35	10.51	.08	.27	*	*	*	*	*	*
Enset	6.27	8.03	6.26	28.01	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	.06	.08	.06	.27	-	-	-	-	-	-	-	-
Fruits	.19	.24	.19	.85	-	-	-	-	-	-	-	-
Other Permanent	.22	.28	.20	.89	*	*	-	-	*	*	-	-
TOTAL PERMANENT	9.96	12.76	9.72	43.49	.10	.34	*	*	*	*	*	*
ALL CROPS	78.07	100.00	22.35	100.00	29.46	100.00	2.93	100.00	22.94	100.00	.38	100.00

TABLE 2.9.4

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Sidama

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	30.49	28.34	4.20	6.96	17.08	59.78	1.24	40.26	6.63	58.88	1.34	30.73
Teff	1.82	1.69	*	*	1.72	6.02	*	*	*	*	-	-
Barely	*	*	*	*	*	*	-	-	-	-	-	-
Wheat	*	*	*	*	*	*	-	-	*	*	-	-
Maize	27.06	25.15	3.87	6.42	14.18	49.63	1.16	37.66	6.51	57.82	1.34	30.73
Sorghum	.17	.16	*	*	*	*	*	*	.09	.80	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	8.36	7.77	1.51	2.50	*	*	.32	10.39	*	*	*	*
Horse Beans	*	*	*	*	*	*	-	-	-	-	*	*
Field Peas	-	-	-	-	*	*	-	-	-	-	-	-
Haricot Beans	7.86	7.31	1.16	1.92	*	*	.32	10.39	*	*	*	*
Chick Peas	*	*	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.60	.56	*	*	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	.60	.56	*	*	*	*	*	*	*	*	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	6.39	5.94	5.05	8.37	.89	3.12	*	*	.24	2.13	*	*
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	*	*	-	-	-	-	-	-	*	*	-	-
Potatoes	*	*	*	*	*	*	-	-	*	*	-	-
Other Vegetables	6.07	5.64	5.02	8.32	.67	2.35	*	*	.18	1.60	*	*
ALL TEMPORARY	45.84	42.61	10.92	18.11	21.97	76.90	1.79	58.12	9.10	80.82	2.07	47.48
Chat	3.84	3.57	2.04	3.38	*	*	*	*	.41	3.64	*	*
Coffee	12.04	11.19	5.28	8.75	3.97	13.90	.78	25.32	1.29	11.46	*	*
Enset	44.56	41.42	41.13	68.20	1.33	4.66	.29	9.42	.40	3.55	1.40	32.11
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	*	*	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	*	*	*	*	*	*	*	*
Other Permanent	.56	.52	.31	.51	.10	.35	*	*	*	*	*	*
TOTAL PERMANENT	61.75	57.39	49.39	81.89	6.61	23.14	1.30	42.21	2.17	19.27	*	*
ALL CROPS	107.59	100.00	60.31	100.00	28.57	100.00	3.08	100.00	11.26	100.00	4.36	100.00

TABLE 2.9.5

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Gadjo

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	4.24	38.58	1.51	19.74	*	*	*	*	*	*	*	*
Teff	*	*	-	-	*	*	*	*	-	-	-	-
Barely	*	*	*	*	*	*	-	-	-	-	-	-
Wheat	*	*	*	*	-	-	-	-	-	-	-	-
Maize	*	*	.49	6.41	*	*	*	*	*	*	*	*
Sorghum	*	*	*	*	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	.04	*	*	*	*	*	*	*
Horse Beans	*	*	*	*	*	*	-	-	-	-	-	-
Field Peas	-	-	*	*	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	*	*	*	*	*	*	*	*	*
Chick Peas	*	*	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	*	*	*	*	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	1.27	11.56	1.05	13.73	*	*	*	*	*	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	*	*	*	*	-	-	-	-	-	-	-	-
Other Vegetables	1.25	11.37	1.03	13.46	*	*	*	*	*	*	*	*
ALL TEMPORARY	5.88	53.50	2.83	36.99	*	*	*	*	*	*	*	*
Chat	*	*	*	*	-	-	-	-	-	-	-	-
Coffee	2.08	18.93	1.88	24.58	*	*	.02	*	*	*	*	*
Enset	2.84	25.84	2.81	36.73	*	*	*	*	-	-	*	*
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	*	*	*	*	*	*	-	-
Other Permanent	*	*	*	*	-	-	-	-	-	-	-	-
TOTAL PERMANENT	5.12	46.59	4.83	63.14	*	*	*	*	*	*	*	*
ALL CROPS	10.99	100.00	7.65	100.00	*	*	*	*	*	*	*	*

TABLE 2.9.6

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

North Omo

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	95.25	52.75	34.45	31.07	33.66	83.75	*	*	18.12	94.28	*	*
Teff	14.26	7.90	*	*	9.48	23.59	*	*	1.08	5.62	-	-
Barely	*	*	*	*	*	*	*	*	*	*	*	*
Wheat	5.73	3.17	*	*	*	*	*	*	*	*	*	*
Maize	66.25	36.69	22.56	20.35	22.61	56.26	4.11	*	14.76	76.80	*	*
Sorghum	4.75	2.63	4.69	4.23	*	*	*	*	-	-	-	-
Millet	*	*	*	*	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	14.34	7.94	7.93	7.15	5.20	12.94	.28	*	.67	3.49	*	*
Horse Beans	*	*	*	*	-	-	-	-	-	-	-	-
Field Peas	*	*	*	*	*	*	*	*	*	*	-	-
Haricot Beans	11.80	6.54	5.84	5.27	4.88	12.14	.17	*	.66	3.43	*	*
Chick Peas	*	*	*	*	*	*	*	*	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	*	*	*	*	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	*	*	*	*	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	23.07	12.78	21.02	18.96	1.18	2.94	*	*	*	*	*	*
Fenugreek	*	*	*	*	-	-	-	-	-	-	-	-
Spices	*	*	*	*	-	-	*	*	-	-	-	-
Potatoes	4.50	2.49	3.63	3.27	*	*	-	-	*	*	*	*
Other Vegetables	17.38	9.63	16.20	14.61	*	*	*	*	*	*	*	*
ALL TEMPORARY	132.71	73.50	63.45	57.22	40.04	99.63	*	*	19.22	100.00	*	*
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	8.19	4.54	8.07	7.28	.06	.15	*	*	-	-	*	*
Enset	38.41	21.27	38.17	34.42	*	*	-	-	-	-	*	*
Cotton	*	*	*	*	-	-	-	-	-	-	-	-
Tobacco	.08	.04	.08	.07	-	-	-	-	-	-	-	-
Fruits	.32	.18	.27	.24	*	*	-	-	-	-	-	-
Other Permanent	.46	.25	.46	.41	-	-	-	-	-	-	-	-
TOTAL PERMANENT	47.85	26.50	47.43	42.78	.15	.37	*	*	-	-	*	*
ALL CROPS	180.56	100.00	110.88	100.00	40.19	100.00	*	*	19.22	100.00	*	*

TABLE 2.9.7

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

South Omo

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	1.84	38.49	*	*	.66	86.84	.13	92.86	.78	96.30	*	*
Teff	*	*	-	-	-	-	-	-	*	*	-	-
Barely	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	*	*	-	-	-	-	-	-	*	*	-	-
Maize	1.39	29.08	*	*	.66	86.84	.13	92.86	.48	59.26	-	-
Sorghum	*	*	*	*	-	-	-	-	-	-	*	*
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	.17	3.56	*	*	*	*	*	*	*	*	-	-
Horse Beans	*	*	*	*	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	.16	3.35	*	*	*	*	*	*	*	*	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	*	*	*	*	*	*	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	*	*	*	*	*	*	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	*	*	*	*	-	-	-	-	-	-	-	-
ALL TEMPORARY	2.39	50.00	.64	21.12	.76	100.00	.14	100.00	.81	100.00	*	*
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	-	-	-	-	-	-	-	-
Enset	*	*	*	*	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	*	*	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	*	*	*	*	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	2.39	78.88	-	-	-	-	-	-	-	-
ALL CROPS	4.78	100.00	3.03	100.00	.76	100.00	.14	100.00	.81	100.00	*	*

TABLE 2.9.8

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Keficho-Shskicho

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	1.41	22.93	.35	6.93	.88	97.78	.17	100.00	-	-	-	-
Teff	*	*	-	-	*	*	-	-	-	-	-	-
Barely	*	*	*	*	-	-	-	-	-	-	-	-
Wheat	*	*	-	-	*	*	-	-	-	-	-	-
Maize	*	*	.25	4.95	.35	38.89	.17	100.00	-	-	-	-
Sorghum	*	*	*	*	*	*	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	.05	.81	.05	.99	-	-	-	-	-	-	-	-
Horse Beans	*	*	*	*	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	*	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	*	*	*	*	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	.46	7.48	.45	8.91	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	.46	7.48	.45	8.91	-	-	-	-	-	-	-	-
ALL TEMPORARY	1.93	31.38	.87	17.23	.88	97.78	.17	100.00	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	.12	1.95	.10	1.98	*	*	-	-	-	-	-	-
Enset	4.07	66.18	4.05	80.20	-	-	-	-	-	-	*	*
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-	-	-	-	-
Other Permanent	*	*	*	*	-	-	-	-	-	-	-	-
TOTAL PERMANENT	4.22	68.62	4.18	82.77	*	*	-	-	-	-	*	*
ALL CROPS	6.15	100.00	5.05	100.00	.90	100.00	.17	100.00	-	-	*	*

TABLE 2.9.9

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Bench-Maji

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	1.74	36.86	.25	7.79	1.18	98.33	.16	100.00	.14	100.00	-	-
Teff	*	*	-	-	*	*	*	*	*	*	-	-
Barely	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	*	*	-	-	-	-	*	*	*	*	-	-
Maize	1.45	30.72	.25	7.79	1.02	85.00	.09	56.25	.09	64.29	-	-
Sorghum	-	-	-	-	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	*	*	-	-	-	-	-	-
Horse Beans	*	*	*	*	*	*	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	*	*	*	*	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	.94	19.92	.94	29.28	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	.94	19.92	.94	29.28	-	-	-	-	-	-	-	-
ALL TEMPORARY	2.71	57.42	1.20	37.38	1.20	100.00	.16	100.00	.14	100.00	-	-
Chat	.02	.42	.02	.62	-	-	-	-	-	-	-	-
Coffee	.56	11.86	.56	17.45	-	-	-	-	-	-	-	-
Enset	1.33	28.18	1.33	41.43	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	.06	1.27	.06	1.87	-	-	-	-	-	-	-	-
Other Permanent	.03	.64	.03	.93	-	-	-	-	-	-	-	-
TOTAL PERMANENT	2.01	42.58	2.01	62.62	-	-	-	-	-	-	-	-
ALL CROPS	4.72	100.00	3.21	100.00	1.20	100.00	.16	100.00	.14	100.00	-	-

TABLE 2.9.10

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Yem Special Wereda

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	5.18	65.16	.34	11.68	3.48	95.08	.11	91.67	1.22	99.19	.03	100.00
Teff	3.11	39.12	.01	.34	2.86	78.14	.08	66.67	*	*	*	*
Barely	.24	3.02	.04	1.37	.20	5.46	-	-	-	-	-	-
Wheat	.63	7.92	*	*	.33	9.02	*	*	*	*	-	-
Maize	1.16	14.59	.25	8.59	.08	2.19	*	*	.82	66.67	-	-
Sorghum	.03	.38	*	*	-	-	-	-	-	-	-	-
Millet	*	*	-	-	-	-	-	-	*	*	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	.86	10.82	.68	23.37	*	*	*	*	-	-	-	-
Horse Beans	.55	6.92	.45	15.46	*	*	-	-	-	-	-	-
Field Peas	-	-	*	*	*	*	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	.25	3.14	-	-	-	-	-	-	-	-	-	-
Lentils	.06	.75	.04	1.37	.01	.27	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.01	.13	.01	.34	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	*	*	.01	.34	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	.10	1.26	.10	3.44	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	.02	.25	.02	.69	-	-	-	-	-	-	-	-
Other Vegetables	.08	1.01	.08	2.75	-	-	-	-	-	-	-	-
ALL TEMPORARY	6.16	77.48	1.12	38.49	3.66	100.00	.12	100.00	1.23	100.00	.03	100.00
Chat	.05	.63	.05	1.72	-	-	-	-	-	-	-	-
Coffee	.05	.63	.05	1.72	-	-	-	-	-	-	-	-
Enset	1.68	21.13	1.67	57.39	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	.01	.13	.01	.34	-	-	-	-	-	-	-	-
TOTAL PERMANENT	1.79	22.52	1.79	61.51	-	-	-	-	-	-	-	-
ALL CROPS	7.95	100.00	2.91	100.00	3.66	100.00	.12	100.00	1.23	100.00	.03	100.00

TABLE 2.9.11

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Amaro Special Wereda

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	.17	3.98	.10	2.39	*	*	*	*	.02	100.00	-	-
Teff	.01	.23	*	*	-	-	-	-	-	-	-	-
Barely	*	*	*	*	-	-	-	-	-	-	-	-
Wheat	*	*	*	*	-	-	-	-	-	-	-	-
Maize	.11	2.58	.04	.96	*	*	*	*	*	*	-	-
Sorghum	-	-	-	-	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	-	-	-	-	-	-	-	-
Horse Beans	*	*	*	*	-	-	-	-	-	-	-	-
Field Peas	-	-	*	*	-	-	-	-	-	-	-	-
Haricot Beans	.03	.70	.03	.72	-	-	-	-	-	-	-	-
Chick Peas	*	*	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	*	*	*	*	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	.18	4.22	.18	4.31	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	.18	4.22	.18	4.31	-	-	-	-	-	-	-	-
ALL TEMPORARY	.46	10.77	.38	9.09	*	*	*	*	.02	100.00	-	-
Chat	*	*	*	*	-	-	-	-	-	-	-	-
Coffee	1.12	26.23	1.12	26.79	-	-	-	-	-	-	-	-
Enset	2.57	60.19	2.55	61.00	-	-	-	-	-	-	*	*
Cotton	*	*	*	*	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-	-	-	-	-
Other Permanent	.05	1.17	.05	1.20	-	-	-	-	-	-	-	-
TOTAL PERMANENT	3.81	89.23	3.79	90.67	-	-	-	-	-	-	*	*
ALL CROPS	4.27	100.00	4.18	100.00	*	*	*	*	.02	100.00	*	*

TABLE 2.9.12

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Burji Special Wereda

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	.12	25.53	.03	8.11	.03	75.00	*	*	-	-	-	-
Teff	*	*	*	*	*	*	*	*	-	-	-	-
Barely	.01	2.13	-	-	-	-	-	-	-	-	-	-
Wheat	.01	2.13	-	-	-	-	-	-	-	-	-	-
Maize	.02	4.26	.01	2.70	-	-	-	-	-	-	-	-
Sorghum	*	*	-	-	*	*	*	*	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	*	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	*	*	*	*	-	-	-	-	-	-	-	-
ALL TEMPORARY	.20	42.55	.10	27.03	.04	100.00	.06	100.00	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	.04	8.51	.04	10.81	-	-	-	-	-	-	-	-
Enset	.23	48.94	.22	59.46	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	.27	57.45	.27	72.97	-	-	-	-	-	-	-	-
ALL CROPS	.47	100.00	.37	100.00	.04	100.00	.06	100.00	-	-	-	-

TABLE 2.9.13

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1999 E.C.)

Konso Special Wereda

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	6.69	74.50	6.66	74.50	.03	75.00	-	-	-	-	-	-
Teff	*	*	*	*	-	-	-	-	-	-	-	-
Barely	*	*	*	*	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Maize	*	*	*	*	.02	50.00	-	-	-	-	-	-
Sorghum	4.74	52.78	4.73	52.91	.01	25.00	-	-	-	-	-	-
Millet	*	*	*	*	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	1.48	16.48	1.47	16.44	*	*	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	.01	.11	-	-	-	-	-	-	-	-
Haricot Beans	1.47	16.37	1.46	16.33	*	*	-	-	-	-	-	-
Chick Peas	.01	.11	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	.16	1.78	.16	1.79	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	*	*	*	*	-	-	-	-	-	-	-	-
Other Vegetables	.03	.33	.03	.34	-	-	-	-	-	-	-	-
ALL TEMPORARY	8.33	92.76	8.29	92.73	.04	100.00	-	-	-	-	-	-
Chat	*	*	*	*	-	-	-	-	-	-	-	-
Coffee	.14	1.56	.14	1.57	-	-	-	-	-	-	-	-
Enset	*	*	*	*	-	-	-	-	-	-	-	-
Cotton	.46	5.12	.46	5.15	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	.01	.11	.01	.11	-	-	-	-	-	-	-	-
TOTAL PERMANENT	.65	7.24	.65	7.27	-	-	-	-	-	-	-	-
ALL CROPS	8.98	100.00	8.94	100.00	.04	100.00	-	-	-	-	-	-

TABLE 2.9.14

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1995 E.C.)

Derashe Special Wereda

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	.32	59.26	*	*	.04	100.00	-	-	-	-	-	-
Teff	*	*	-	-	*	*	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Maize	*	*	*	*	*	*	-	-	-	-	-	-
Sorghum	.21	38.89	.21	42.86	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	*	*	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	*	*	-	-	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	*	-	-	-	-	-	-	-	-
Chick Peas	-	-	*	*	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	.02	3.70	.02	4.08	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	.02	3.70	.02	4.08	-	-	-	-	-	-	-	-
ALL TEMPORARY	.40	74.07	*	*	.04	100.00	-	-	-	-	-	-
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	.02	3.70	.02	4.08	-	-	-	-	-	-	-	-
Enset	.10	18.52	.10	20.41	-	-	-	-	-	-	-	-
Cotton	*	*	*	*	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	.14	25.93	.14	28.57	-	-	-	-	-	-	-	-
ALL CROPS	.54	100.00	.49	100.00	.04	100.00	-	-	-	-	-	-

TABLE 2.10

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Gambela

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	.14	*	-	-	.03	100.00	.09	100.00	.03	*	-	-
Teff	-	-	-	-	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Maize	*	*	-	-	.03	100.00	.09	100.00	.02	*	-	-
Sorghum	*	*	-	-	-	-	-	-	*	*	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-	-	-	-	-
ALL TEMPORARY	.14	*	-	-	.03	100.00	.09	100.00	.03	*	-	-
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	*	*	-	-	-	-	-	-	*	*	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	-	-	-	-	-	-	*	*	-	-
ALL CROPS	*	*	-	-	.03	100.00	.09	100.00	*	*	-	-

TABLE 2.11

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Harari

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	4.23	64.68	1.36	64.76	.15	71.43	.91	64.54	.54	66.67	1.27	62.87
Teff	-	-	-	-	-	-	-	-	-	-	-	-
Barely	.04	.61	-	-	-	-	.02	1.42	.01	1.23	.01	.50
Wheat	.26	3.98	-	-	.03	14.29	.07	4.96	.10	12.35	.07	3.47
Maize	.79	12.08	.26	12.38	.03	14.29	.12	8.51	.09	11.11	.29	14.36
Sorghum	3.13	47.86	1.09	51.90	.09	42.86	.69	48.94	.35	43.21	.91	45.05
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	.07	1.07	.02	.95	-	-	.01	.71	.01	1.23	.03	1.49
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	*	*	-	-	-	-	-	-	-	-	-	-
Haricot Beans	.05	.76	.02	.95	-	-	*	*	.01	1.23	.02	.99
Chick Peas	-	-	-	-	-	-	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.32	4.89	.19	9.05	*	*	.05	3.55	*	*	.04	1.98
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	.32	4.89	.19	9.05	*	*	.05	3.55	*	*	.04	1.98
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	.12	1.83	.04	1.90	*	*	.02	1.42	*	*	.03	1.49
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	*	*	-	-	*	*	-	-	-	-	-	-
Other Vegetables	.10	1.53	.04	1.90	-	-	.02	1.42	*	*	.03	1.49
ALL TEMPORARY	4.73	72.32	1.61	76.67	.16	76.19	.98	69.50	.60	74.07	1.38	68.32
Chat	1.77	27.06	.47	22.38	.04	19.05	.42	29.79	.21	25.93	.64	31.68
Coffee	.02	.31	.01	.48	-	-	-	-	-	-	*	*
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	.03	.46	.01	.48	-	-	-	-	*	*	*	*
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	1.81	27.68	.49	23.33	.04	19.05	.43	30.50	.21	25.93	.65	32.18
ALL CROPS	6.54	100.00	2.10	100.00	.21	100.00	1.41	100.00	.81	100.00	2.02	100.00

TABLE 2.12

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Addis Ababa

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	9.31	90.83	.01	14.29	.20	24.69	.10	83.33	8.93	97.17	*	*
Teff	5.26	51.32	-	-	.04	4.94	.05	41.67	5.12	55.71	*	*
Barely	*	*	*	*	*	*	.01	8.33	.03	.33	-	-
Wheat	3.96	38.63	-	-	.11	13.58	.04	33.33	3.78	41.13	*	*
Maize	.01	.10	-	-	-	-	-	-	-	-	-	-
Sorghum	-	-	-	-	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	.61	5.95	*	*	.42	51.85	*	*	.15	1.63	-	-
Horse Beans	*	*	*	*	-	-	-	-	-	-	-	-
Field Peas	.28	2.73	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	.19	23.46	-	-	.08	.87	-	-
Lentils	.08	.78	-	-	.04	4.94	-	-	.04	.44	-	-
Vetch	.21	2.05	-	-	*	*	-	-	.02	.22	-	-
OILSEEDS	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	*	*	*	*	.10	1.09	-	-
Fenugreek	.05	.49	-	-	.02	2.47	-	-	.02	.22	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	*	*	*	*	*	*	*	*	.08	.87	-	-
ALL TEMPORARY	10.25	100.00	.06	85.71	.81	100.00	.12	100.00	9.19	100.00	*	*
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-	-	-	-	-
ALL CROPS	10.25	100.00	.07	100.00	.81	100.00	.12	100.00	9.19	100.00	*	*

TABLE 2.13

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER FOR
MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Dire Dawa

('000 HA)

TYPE OF CROP	TOTAL		NATURAL		DAP		UREA		DAP+UREA		NAT+COMM	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
CEREALS	1.99	74.53	1.90	74.22	*	*	*	*	.02	100.00	*	*
Teff	-	-	-	-	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Maize	.14	5.24	.14	5.47	-	-	-	-	-	-	-	-
Sorghum	1.84	68.91	1.76	68.75	*	*	*	*	.02	100.00	*	*
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	.19	7.12	.19	7.42	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	.19	7.12	.19	7.42	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	.03	1.12	.03	1.17	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	*	*	*	*	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	.05	1.87	.05	1.95	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	*	*	*	*	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	.04	1.50	.04	1.56	-	-	-	-	-	-	-	-
ALL TEMPORARY	2.26	84.64	2.16	84.38	*	*	*	*	.02	100.00	*	*
Chat	.28	10.49	.27	10.55	-	-	-	-	-	-	-	-
Coffee	.02	.75	.02	.78	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	.41	15.36	.40	15.63	-	-	-	-	-	-	-	-
ALL CROPS	2.67	100.00	2.56	100.00	*	*	*	*	.02	100.00	*	*

3. QUANTITY OF CHEMICAL FERTILIZERS APPLIED BY TYPE

As indicated in Summary Table C, the total quantity of fertilizers applied by the private peasant holders at national level was 3.41 million quintals. It is important to note that the information on fertilizer quantity was collected and estimated for chemical fertilizers only.

Summary Table C Quantity of Chemical Fertilizers Applied by Type

Fertilizer type	Quantity ('000qt)	Percent
DAP	959.51	28.10
UREA	143.50	4.20
DAP+UREA	2311.95	67.70
Total	3414.96	100.00

3.1 Quantity of DAP Applied

Out of the total quantity of chemical fertilizer applied the quantity of DAP was 959.51 thousand quintals (28.10%). The total quantity of DAP applied on temporary and permanent crops was about 930.07 thousand and 29.44 thousand quintals, respectively. See the details in Table 3.1

3.2 Quantity of UREA Applied

Of the total quantity of chemical fertilizer applied, the quantity of UREA was 143.50 thousand quintals (4.20%) (Summary Table C). The total quantity of UREA applied on temporary and permanent crops was about 124.62 thousand and 18.88 thousand quintals, respectively.

3.3 Quantity of DAP and UREA Applied in mix

Out of the total quantity of chemical fertilizers applied, the quantity of the mixture of DAP and UREA was 2311.95 thousand quintals (67.70%). The quantity of the mixture of DAP and UREA applied to temporary and permanent crops was about 2.27 million and 44.32 thousand quintals, respectively.

TABLE 3.1

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

National

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	3,068.29	89.85	816.60	85.11	101.74	70.90	2,149.95	92.99
Teff	1,019.31	29.85	240.91	25.11	39.05	27.21	739.35	31.98
Barely	227.64	6.67	139.96	14.59	3.14	2.19	84.54	3.66
Wheat	848.06	24.83	254.70	26.55	12.40	8.64	580.96	25.13
Maize	825.71	24.18	116.59	12.15	32.67	22.77	676.45	29.26
Sorghum	52.30	1.53	5.85	.61	12.46	8.68	33.99	1.47
Millet	87.56	2.56	52.48	5.47	1.94	1.35	33.14	1.43
Oats	6.12	.18	6.12	.64	*	*	*	*
PULSES	132.11	3.87	72.33	7.54	10.31	7.18	49.47	2.14
Horse Beans	45.21	1.32	29.30	3.05	1.27	.89	14.64	.63
Field Peas	25.60	.75	21.27	2.22	*	*	4.33	.19
Haricot Beans	52.50	1.54	18.18	1.89	8.43	5.87	25.89	1.12
Chick Peas	2.12	.06	1.12	.12	*	*	1.00	.04
Lentils	2.06	.06	2.06	.21	*	*	*	*
Vetch	.75	.02	.41	.04	*	*	.34	.01
OILSEEDS	26.42	.77	9.65	1.01	1.75	1.22	15.02	.65
Neug	2.63	.08	.92	.10	*	*	1.71	.07
Lin Seed	2.83	.08	1.92	.20	*	*	.91	.04
Rape seed	15.95	.47	5.94	.62	*	*	10.01	.43
Ground Nuts	.28	.01	*	*	.28	.20	*	*
Sun Flower	2.24	.07	.47	.05	*	*	1.77	.08
Sesame	*	*	*	*	-	-	*	*
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	95.48	2.80	31.48	3.28	10.82	7.54	53.18	2.30
Fenugreek	.76	.02	.25	.03	*	*	.51	.02
Spices	34.93	1.02	10.10	1.05	3.51	2.45	21.32	.92
Potatoes	31.18	.91	11.48	1.20	4.35	3.03	15.35	.66
Other Vegetables	28.59	.84	9.64	1.00	2.95	2.06	16.00	.69
ALL TEMPORARY	3,322.30	97.29	930.05	96.93	124.63	86.85	2,267.62	98.08
Chat	47.80	1.40	7.19	.75	11.44	7.97	29.17	1.26
Coffee	26.60	.78	14.48	1.51	3.27	2.28	8.85	.38
Enset	8.81	.26	6.02	.63	*	*	2.79	.12
Cotton	*	*	*	*	*	*	*	*
Tobacco	*	*	*	*	-	-	-	-
Fruits	2.53	.07	.87	.09	.22	.15	1.44	.06
Other Permanent	2.18	.06	.75	.08	*	*	1.43	.06
TOTAL PERMANENT	92.63	2.71	29.44	3.07	18.87	13.15	44.32	1.92
ALL CROPS	3,414.93	100.00	959.49	100.00	143.50	100.00	2,311.94	100.00

**FIG. 3 ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER APPLIED BY TYPE FOR
MAJOR CROPS OF PRIVATE HOLDINGS NATIONAL, 2000/2001(1993 E.C.)**

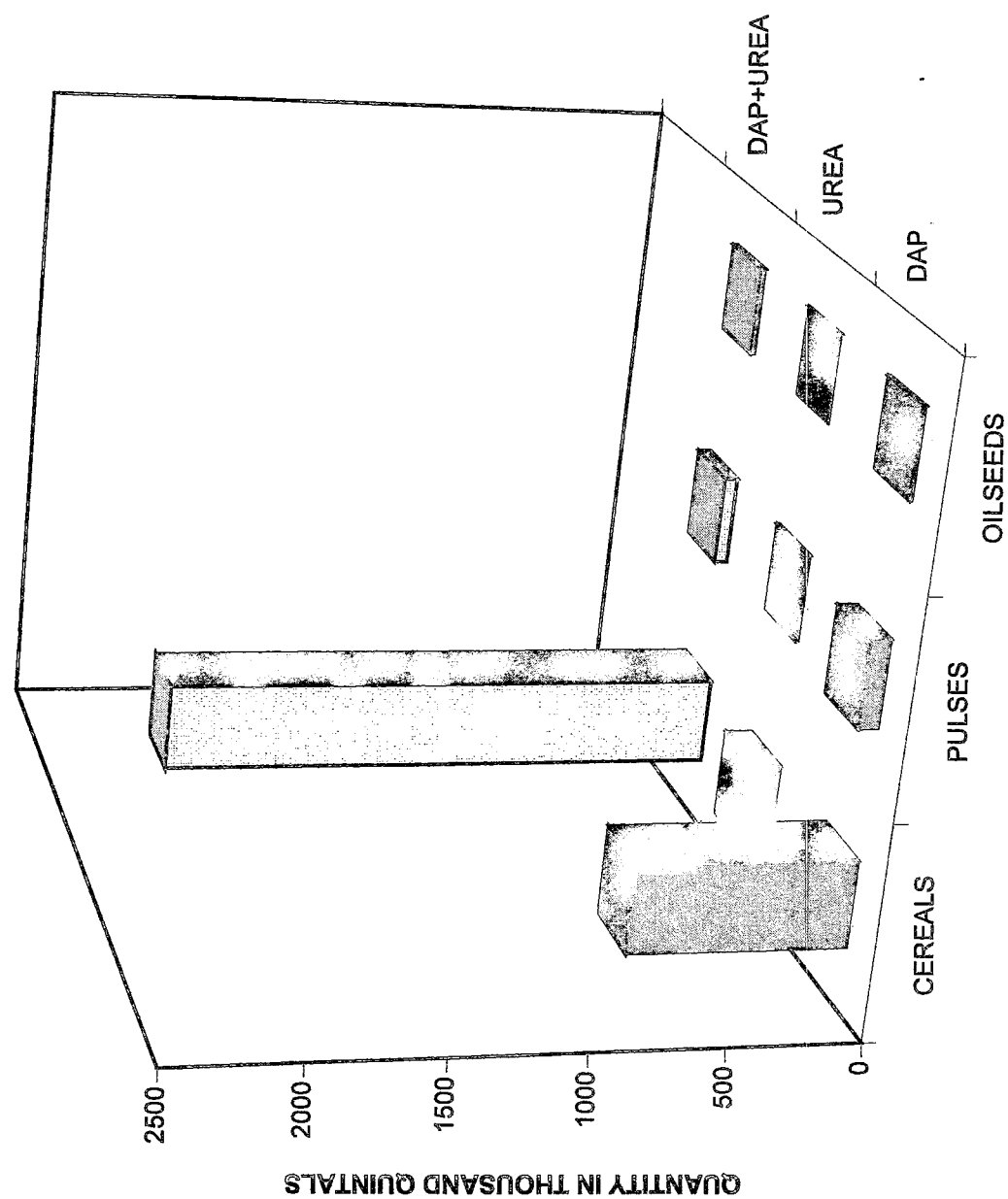


TABLE 3.2

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER APPLIED AREA BY REGION AND BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS
2000/2001(1993 E.C.)

(000'QT)

REGION	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
TIGRAY	152.15	4.46	6.03	.63	5.20	3.62	140.92	6.10
AFAR	1.25	.04	.52	.05	.07	.05	.66	.03
AMHARA	914.14	26.77	152.31	15.87	36.52	25.45	725.31	31.37
OROMIYA	1,831.54	53.63	547.19	57.03	70.73	49.29	1,213.61	52.49
SOMALIE	.15	-	.03	-	.01	.01	.11	-
BENSHANGUL-GUMUZ	12.51	.37	2.10	.22	.39	.27	10.01	.43
S.N.N.P.R.	468.76	13.73	249.52	26.01	25.21	17.57	194.03	8.39
GAMBELA	.40	.01	.02	-	.06	.04	.32	.01
HARARI	11.90	.35	.73	.08	5.05	3.52	6.12	.26
ADDIS ABABA	22.05	.65	1.00	.10	.21	.15	20.84	.90
DIRE DAWA	.07	-	.02	-	.05	.03	.01	-
TOTAL	3,414.93	100.00	959.49	100.00	143.50	100.00	2,311.94	100.00

FIG. 4 ESTIMATES OF QUANTITY OF DAP, UREA AND DAP+UREA USED BY REGION, 2000/2001 (1993 E.C.)

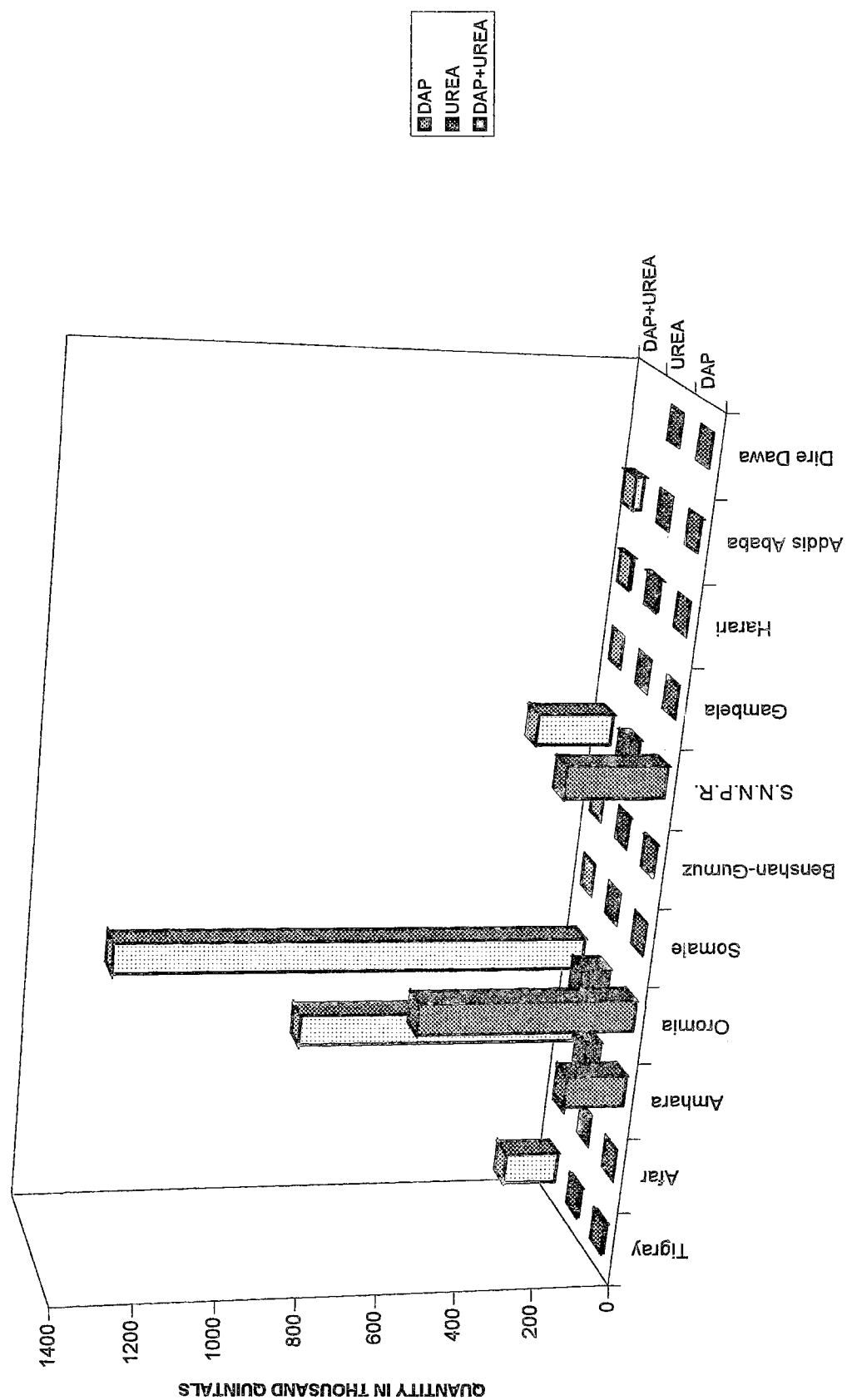


TABLE 3.3

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1995 E.C.)

Tigray

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	149.67	98.37	5.45	90.38	5.02	96.54	139.20	98.78
Teff	57.60	37.86	1.80	29.85	2.30	44.23	53.50	37.96
Barely	24.77	16.28	1.43	23.71	.78	15.00	22.56	16.01
Wheat	36.31	23.86	1.54	25.54	1.30	25.00	33.47	23.75
Maize	11.49	7.55	*	*	*	*	11.49	8.15
Sorghum	3.46	2.27	.32	5.31	*	*	3.14	2.23
Millet	15.04	9.88	*	*	*	*	15.04	10.67
Oats	-	-	-	-	-	-	-	-
PULSES	1.02	.67	*	*	*	*	1.02	.72
Horse Beans	.62	.41	*	*	*	*	.62	.44
Field Peas	*	*	*	*	-	-	*	*
Haricot Beans	*	*	-	-	-	-	*	*
Chick Peas	*	*	*	*	-	-	*	*
Lentils	*	*	-	-	-	-	*	*
Vetch	*	*	-	-	-	-	*	*
OILSEEDS	*	*	*	*	-	-	*	*
Neug	*	*	*	*	-	-	-	-
Lin Seed	*	*	*	*	-	-	*	*
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	-	-	*	*
Sesame	*	*	*	*	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	.33	.22	-	-	*	*	.33	.23
Fenugreek	-	-	-	-	-	-	-	-
Spices	*	*	-	-	*	*	*	*
Potatoes	*	*	-	-	*	*	*	*
Other Vegetables	*	*	-	-	*	*	*	*
ALL TEMPORARY	152.06	99.94	6.03	100.00	5.20	100.00	140.83	99.94
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	*	*	-	-	-	-	*	*
TOTAL PERMANENT	*	*	-	-	-	-	*	*
ALL CROPS	152.15	100.00	6.03	100.00	5.20	100.00	140.92	100.00

TABLE 3.3.1

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

West Tigray

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	42.64	99.49	.87	94.57	.72	100.00	41.05	99.59
Teff	20.61	48.09	.59	64.13	.27	37.50	19.75	47.91
Barely	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	8.82	20.58	*	*	*	*	8.54	20.72
Sorghum	*	*	*	*	-	-	*	*
Millet	11.43	26.67	*	*	*	*	11.08	26.88
Oats	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	-	-	*	*
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	*	*	-	-	-	-	-	-
Haricot Beans	*	*	-	-	-	-	*	*
Chick Peas	*	*	*	*	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	-	-	-	-
Neug	*	*	*	*	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	42.83	99.93	.92	100.00	.72	100.00	41.19	99.93
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	*	*	-	-	-	-	*	*
TOTAL PERMANENT	*	*	-	-	-	-	*	*
ALL CROPS	42.86	100.00	.92	100.00	.72	100.00	41.22	100.00

TABLE 3.3.2 ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Central Tigray

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	56.67	98.92	1.42	99.30	.50	100.00	54.75	98.90
Teff	30.21	52.73	.60	41.96	*	*	29.61	53.49
Barely	7.28	12.71	*	*	-	-	7.28	13.15
Wheat	9.84	17.18	*	*	*	*	9.84	17.77
Maize	2.82	4.92	*	*	-	-	2.82	5.09
Sorghum	1.32	2.30	*	*	*	*	1.32	2.38
Millet	3.88	6.77	*	*	*	*	3.88	7.01
Oats	-	-	-	-	-	-	-	-
PULSES	.36	.63	*	*	-	-	.36	.65
Horse Beans	.30	.52	*	*	-	-	.30	.54
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	*	*	-	-	-	-	*	*
Chick Peas	*	*	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-
Lin Seed	*	*	-	-	-	-	*	*
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	.13	.23	-	-	*	*	.13	.23
Fenugreek	-	-	-	-	-	-	-	-
Spices	*	*	-	-	-	-	*	*
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	*	*	-	-	*	*	*	*
ALL TEMPORARY	57.29	100.00	1.43	100.00	.50	100.00	55.36	100.00
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	57.29	100.00	1.43	100.00	.50	100.00	55.36	100.00

TABLE 3.3.3

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

East Tigray

('000 GT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	26.95	96.66	1.09	77.86	1.17	87.97	24.69	98.17
Teff	1.13	4.05	*	*	.14	10.53	.99	3.94
Barely	11.93	42.79	.75	53.57	.43	32.33	10.75	42.74
Wheat	13.57	48.67	.29	20.71	.59	44.36	12.69	50.46
Maize	*	*	*	*	-	-	*	*
Sorghum	*	*	-	-	-	-	*	*
Millet	*	*	-	-	*	*	*	*
Oats	-	-	-	-	-	-	-	-
PULSES	.34	1.22	*	*	*	*	.34	1.35
Horse Beans	*	*	*	*	*	*	*	*
Field Peas	*	*	*	*	-	-	*	*
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	*	*	-	-	-	-	*	*
Lentils	*	*	-	-	-	-	*	*
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	*	*	-	-	*	*	*	*
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	*	*	-	-	*	*	*	*
Other Vegetables	*	*	-	-	-	-	*	*
ALL TEMPORARY	27.82	99.78	1.40	100.00	1.33	100.00	25.09	99.76
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	*	*	-	-	-	-	*	*
TOTAL PERMANENT	*	*	-	-	-	-	*	*
ALL CROPS	27.88	100.00	1.40	100.00	1.33	100.00	25.15	100.00

TABLE 3.3.4

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

South Tigray

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	23.43	97.14	2.08	91.23	2.64	99.62	18.71	97.50
Teff	4.74	19.65	*	*	1.59	60.00	3.15	16.41
Barely	4.88	20.23	*	*	.35	13.21	4.53	23.61
Wheat	11.62	48.18	*	*	.68	25.66	10.94	57.01
Maize	*	*	-	-	*	*	*	*
Sorghum	*	*	-	-	-	-	*	*
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	-	-	*	*
Horse Beans	*	*	*	*	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	*	*	-	-	-	-	*	*
OILSEEDS	*	*	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	-
Lin Seed	*	*	*	*	-	-	*	*
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	-	-	*	*
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	*	*	-	-	*	*	*	*
Fenugreek	-	-	-	-	-	-	-	-
Spices	*	*	-	-	*	*	-	-
Potatoes	*	*	-	-	-	-	*	*
Other Vegetables	*	*	-	-	-	-	*	*
ALL TEMPORARY	24.12	100.00	2.28	100.00	2.65	100.00	19.19	100.00
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	24.12	100.00	2.28	100.00	2.65	100.00	19.19	100.00

TABLE 3.4

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Afar

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	.93	74.40	.36	69.23	.05	71.43	.52	78.79
Teff	.74	59.20	.30	57.69	.05	71.43	.39	59.09
Barely	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	*	*	*	*	-	-	-	-
Sorghum	.13	10.40	*	*	-	-	.13	19.70
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	.30	24.00	.16	30.77	*	*	.14	21.21
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	.14	11.20	*	*	*	*	.14	21.21
Sesame	*	*	*	*	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	1.25	100.00	.52	100.00	.07	100.00	.66	100.00
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	1.25	100.00	.52	100.00	.07	100.00	.66	100.00

TABLE 3.4.1

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Zone 3

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	.93	74.40	.36	69.23	.05	71.43	.52	78.79
Teff	.74	59.20	.30	57.69	.05	71.43	.39	59.09
Barely	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	*	*	*	*	-	-	-	-
Sorghum	.13	10.40	*	*	-	-	.13	19.70
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	.30	24.00	.16	30.77	*	*	.14	21.21
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	.14	11.20	*	*	*	*	.14	21.21
Sesame	*	*	*	*	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	1.25	100.00	.52	100.00	.07	100.00	.66	100.00
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	1.25	100.00	.52	100.00	.07	100.00	.66	100.00

TABLE 3.5

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Ankara

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	859.92	94.07	139.76	91.76	30.92	84.67	689.24	95.03
Teff	335.03	36.65	68.69	45.10	21.25	58.19	245.09	33.79
Barely	23.36	2.56	8.98	5.90	.80	2.19	13.58	1.87
Wheat	206.53	22.59	10.60	6.96	4.60	12.60	191.33	26.38
Maize	233.04	25.49	10.33	6.78	2.62	7.17	220.09	30.34
Sorghum	2.77	.30	*	*	*	*	2.77	.38
Millet	58.32	6.38	40.82	26.80	1.34	3.67	16.16	2.23
Oats	*	*	-	-	*	*	*	*
PULSES	17.21	1.88	5.36	3.52	.44	1.20	11.41	1.57
Horse Beans	10.44	1.14	2.68	1.76	*	*	7.76	1.07
Field Peas	2.05	.22	1.75	1.15	*	*	.30	.04
Haricot Beans	*	*	*	*	*	*	*	*
Chick Peas	*	*	*	*	*	*	*	*
Lentils	*	*	*	*	*	*	*	*
Vetch	*	*	*	*	-	-	*	*
OILSEEDS	13.31	1.46	2.33	1.53	*	*	10.98	1.51
Neug	2.15	.24	.48	.32	*	*	1.67	.23
Lin Seed	*	*	*	*	-	-	*	*
Rape seed	9.24	1.01	1.61	1.06	*	*	7.63	1.05
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	1.14	.12	*	*	*	*	1.14	.16
Sesame	*	*	-	-	-	-	*	*
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	19.92	2.18	4.75	3.12	3.19	8.73	11.98	1.65
Fenugreek	*	*	*	*	-	-	*	*
Spices	7.39	.81	*	*	2.28	6.24	5.11	.70
Potatoes	2.62	.29	2.62	1.72	*	*	*	*
Other Vegetables	4.70	.51	*	*	.45	1.23	4.25	.59
ALL TEMPORARY	911.12	99.67	152.19	99.92	35.31	96.69	723.62	99.77
Chat	-	-	-	-	-	-	-	-
Coffee	*	*	-	-	*	*	*	*
Enset	*	*	-	-	-	-	*	*
Cotton	*	*	*	*	*	*	*	*
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	.74	.08	*	*	-	-	.74	.10
TOTAL PERMANENT	1.69	.18	*	*	*	*	1.69	.23
ALL CROPS	914.14	100.00	152.31	100.00	36.52	100.00	725.31	100.00

TABLE 3.5.1

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

North Gondar

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	70.64	88.05	4.63	86.54	1.14	76.00	64.87	88.40
Teff	29.65	36.96	2.08	38.88	.47	31.33	27.10	36.93
Barely	*	*	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*
Maize	25.37	31.62	.97	18.13	*	*	24.40	33.25
Sorghum	*	*	*	*	-	-	*	*
Millet	6.14	7.65	*	*	*	*	6.14	8.37
Oats	*	*	-	-	-	-	*	*
PULSES	*	*	*	*	*	*	*	*
Horse Beans	*	*	*	*	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	*	*	*	*	*	*	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	*	*	-	-	-	-	*	*
OILSEEDS	*	*	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-
Lin Seed	*	*	-	-	-	-	*	*
Rape seed	*	*	-	-	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	*	*
Sesame	*	*	-	-	-	-	*	*
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	3.66	4.56	*	*	*	*	3.66	4.99
Fenugreek	-	-	-	-	-	-	-	-
Spices	*	*	*	*	*	*	*	*
Potatoes	*	*	*	*	*	*	*	*
Other Vegetables	*	*	-	-	*	*	*	*
ALL TEMPORARY	79.49	99.08	5.24	97.94	1.50	100.00	72.75	99.14
Chat	-	-	-	-	-	-	-	-
Coffee	*	*	-	-	-	-	*	*
Enset	-	-	-	-	-	-	-	-
Cotton	*	*	*	*	-	-	*	*
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	*	*	*	*	-	-	*	*
TOTAL PERMANENT	*	*	*	*	-	-	*	*
ALL CROPS	80.23	100.00	5.35	100.00	1.50	100.00	73.38	100.00

TABLE 3.5.2

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

South Gondar

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	64.81	93.87	8.89	86.73	3.09	82.84	52.83	95.95
Teff	36.10	52.29	3.09	30.15	2.20	58.98	30.81	55.96
Barely	*	*	*	*	*	*	*	*
Wheat	6.34	9.18	*	*	*	*	6.34	11.51
Maize	*	*	*	*	*	*	*	*
Sorghum	*	*	*	*	*	*	*	*
Millet	*	*	*	*	*	*	*	*
Oats	-	-	-	-	-	-	-	-
PULSES	*	*	-	-	*	*	*	*
Horse Beans	*	*	-	-	*	*	*	*
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	*	*	*	*
Neug	*	*	-	-	*	*	*	*
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	*	*	*	*	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	.83	1.20	*	*	*	*	.83	1.51
Fenugreek	-	-	-	-	-	-	-	-
Spices	*	*	*	*	*	*	*	*
Potatoes	*	*	*	*	*	*	*	*
Other Vegetables	*	*	*	*	*	*	*	*
ALL TEMPORARY	69.02	99.97	10.25	100.00	3.71	99.46	55.06	100.00
Chat	-	-	-	-	-	-	-	-
Coffee	*	*	-	-	*	*	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	-	-	*	*	-	-
ALL CROPS	69.04	100.00	10.25	100.00	3.73	100.00	55.06	100.00

TABLE 3.5.3

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1998 E.C.)

North Wolo

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	6.39	94.67	*	*	*	*	6.39	94.67
Teff	1.12	16.59	*	*	*	*	1.12	16.59
Barely	*	*	-	-	*	*	*	*
Wheat	*	*	*	*	*	*	*	*
Maize	*	*	-	-	-	-	*	*
Sorghum	*	*	-	-	*	*	*	*
Millet	*	*	-	-	*	*	-	-
Oats	*	*	-	-	-	-	*	*
PULSES	*	*	-	-	-	-	*	*
Horse Beans	*	*	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	.15	2.22	*	*	*	*	.15	2.22
Fenugreek	-	-	-	-	-	-	-	-
Spices	*	*	-	-	-	-	*	*
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	.11	1.63	*	*	*	*	.11	1.63
ALL TEMPORARY	6.72	99.56	*	*	*	*	6.72	99.56
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	*	*	-	-	-	-	*	*
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	*	*	-	-	-	-	*	*
TOTAL PERMANENT	*	*	-	-	-	-	*	*
ALL CROPS	6.75	100.00	*	*	*	*	6.75	100.00

TABLE 3.5.4

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

South Wolo

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	21.75	97.58	*	*	*	*	21.75	97.58
Teff	8.96	40.20	-	-	*	*	8.96	40.20
Barely	*	*	-	-	*	*	*	*
Wheat	12.27	55.05	*	*	*	*	12.27	55.05
Maize	*	*	-	-	-	-	*	*
Sorghum	*	*	-	-	-	-	*	*
Millet	-	-	-	-	-	-	-	-
Oats	*	*	-	-	-	-	*	*
PULSES	*	*	-	-	*	*	*	*
Horse Beans	*	*	-	-	*	*	*	*
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	-	-	*	*
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	*	*	-	-	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	*	*	-	-	-	-	*	*
ALL TEMPORARY	22.24	99.78	*	*	*	*	22.24	99.78
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	*	*	-	-	-	-	*	*
TOTAL PERMANENT	*	*	-	-	-	-	*	*
ALL CROPS	22.29	100.00	*	*	*	*	22.29	100.00

TABLE 3.5.5

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

North Shewa

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	159.06	96.56	*	*	4.35	88.59	154.71	96.81
Teff	45.68	27.73	*	*	2.67	54.38	43.01	26.91
Barely	*	*	*	*	*	*	*	*
Wheat	109.56	66.51	1.02	*	1.08	22.00	107.46	67.24
Maize	*	*	*	*	*	*	*	*
Sorghum	*	*	*	*	*	*	*	*
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	1.02	.62	1.02	*	*	*	*	*
Horse Beans	*	*	*	*	*	*	*	*
Field Peas	*	*	*	*	*	*	*	*
Haricot Beans	*	*	*	*	*	*	*	*
Chick Peas	*	*	*	*	*	*	*	*
Lentils	*	*	*	*	*	*	*	*
Vetch	*	*	*	*	-	-	*	*
OILSEEDS	*	*	*	*	*	*	*	*
Neug	*	*	-	-	-	-	*	*
Lin Seed	*	*	*	*	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	*	*	*	*
Sesame	*	*	-	-	-	-	*	*
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	.08	.05	*	*	.08	1.63	*	*
Fenugreek	*	*	*	*	-	-	*	*
Spices	*	*	-	-	*	*	*	*
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	.05	.03	*	*	.05	1.02	*	*
ALL TEMPORARY	164.69	99.98	*	*	4.91	100.00	159.78	99.98
Chat	-	-	-	-	-	-	-	-
Coffee	*	*	-	-	-	-	*	*
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	*	*	-	-	-	-	*	*
TOTAL PERMANENT	*	*	-	-	-	-	*	*
ALL CROPS	164.72	100.00	*	*	4.91	100.00	159.81	100.00

TABLE 3.5.6

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

East Gojam

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	254.44	97.66	31.60	93.91	14.65	93.85	208.19	98.54
Teff	150.29	57.68	22.85	67.90	12.06	77.26	115.38	54.61
Barely	5.68	2.18	*	*	*	*	5.68	2.69
Wheat	58.35	22.40	*	*	2.31	14.80	56.04	26.52
Maize	32.42	12.44	1.33	3.95	*	*	31.09	14.72
Sorghum	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	1.92	.74	1.92	5.71	*	*	*	*
Horse Beans	*	*	*	*	*	*	*	*
Field Peas	*	*	*	*	-	-	*	*
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	-	-	*	*
Vetch	*	*	*	*	-	-	-	-
OILSEEDS	*	*	*	*	*	*	*	*
Neug	*	*	*	*	*	*	*	*
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	*	*	*	*	*	*	*	*
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	*	*	*	*
Fenugreek	*	*	-	-	-	-	*	*
Spices	*	*	*	*	*	*	*	*
Potatoes	*	*	*	*	-	-	*	*
Other Vegetables	*	*	*	*	*	*	-	-
ALL TEMPORARY	260.12	99.84	33.65	100.00	15.27	97.82	211.20	99.96
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	*	*	-	-	*	*	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	*	*	-	-	-	-	*	*
TOTAL PERMANENT	*	*	-	-	*	*	*	*
ALL CROPS	260.54	100.00	33.65	100.00	15.61	100.00	211.28	100.00

TABLE 3.5.7

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHR SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

West Gojam

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	227.03	90.44	66.96	92.02	4.26	61.38	155.81	90.95
Teff	48.34	19.26	28.21	38.77	2.45	35.30	17.68	10.32
Barely	3.77	1.50	3.77	5.18	*	*	*	*
Wheat	*	*	*	*	*	*	*	*
Maize	137.44	54.75	6.77	9.30	*	*	130.67	76.27
Sorghum	*	*	*	*	-	-	-	-
Millet	30.62	12.20	25.98	35.70	*	*	4.64	2.71
Oats	*	*	-	-	*	*	-	-
PULSES	1.58	.63	1.58	2.17	*	*	*	*
Horse Beans	1.06	.42	1.06	1.46	-	-	*	*
Field Peas	*	*	*	*	-	-	*	*
Haricot Beans	*	*	*	*	*	*	*	*
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	7.57	3.02	1.26	1.73	*	*	6.31	3.68
Neug	*	*	*	*	*	*	*	*
Lin Seed	*	*	*	*	-	-	-	-
Rape seed	6.17	2.46	.86	1.18	-	-	5.31	3.10
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	11.25	4.48	2.95	4.05	1.68	24.21	6.62	3.86
Fenugreek	-	-	-	-	-	-	-	-
Spices	*	*	*	*	*	*	*	*
Potatoes	1.32	.53	1.32	1.81	*	*	*	*
Other Vegetables	.11	.04	*	*	.11	1.59	*	*
ALL TEMPORARY	249.52	99.40	72.76	99.99	6.09	87.75	170.67	99.62
Chat	-	-	-	-	-	-	-	-
Coffee	*	*	-	-	-	-	*	*
Enset	-	-	-	-	-	-	-	-
Cotton	*	*	*	*	*	*	*	*
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	*	*	-	-	-	-	*	*
TOTAL PERMANENT	*	*	*	*	*	*	*	*
ALL CROPS	251.03	100.00	72.77	100.00	6.94	100.00	171.32	100.00

TABLE 3.5.8

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Waghamara

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	.09	100.00	.08	100.00	.01	100.00	*	*
Teff	.01	11.11	*	*	.01	100.00	*	*
Barely	*	*	*	*	-	-	*	*
Wheat	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	-	-
Sorghum	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	.01	11.11	-	-	.01	100.00	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	.01	11.11	-	-	.01	100.00	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	.09	100.00	.08	100.00	.01	100.00	*	*
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	.09	100.00	.08	100.00	.01	100.00	*	*

TABLE 3.5.9

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Agawawia

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	46.40	94.89	20.33	93.60	1.56	80.41	24.51	97.11
Teff	8.05	16.46	7.54	34.71	.51	26.29	*	*
Barely	*	*	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*
Maize	23.13	47.30	.44	2.03	.27	13.92	22.42	88.83
Sorghum	-	-	-	-	-	-	-	-
Millet	10.86	22.21	10.71	49.31	*	*	.15	.59
Oats	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	*	*	*	*
Horse Beans	*	*	*	*	*	*	*	*
Field Peas	*	*	*	*	-	-	*	*
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	*	*	*	*
Neug	*	*	*	*	*	*	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	*	*	*	*	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	.11	.22	*	*	*	*	.11	.44
Fenugreek	-	-	-	-	-	-	-	-
Spices	*	*	*	*	-	-	-	-
Potatoes	.09	.18	*	*	*	*	.09	.36
Other Vegetables	*	*	*	*	-	-	*	*
ALL TEMPORARY	48.69	99.57	21.72	100.00	1.94	100.00	25.03	99.17
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	*	*	-	-	-	-	*	*
TOTAL PERMANENT	*	*	-	-	-	-	*	*
ALL CROPS	48.90	100.00	21.72	100.00	1.94	100.00	25.24	100.00

TABLE 3.5.10

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Oromia

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	.15	100.00	.15	100.00	*	*	-	-
Teff	.10	66.67	.10	66.67	*	*	-	-
Barely	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	*	*	*	*	-	-	-	-
Sorghum	*	*	*	*	-	-	-	-
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	.15	100.00	.15	100.00	*	*	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	.15	100.00	.15	100.00	*	*	-	-

TABLE 3.6

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1995 E.C.)

Oromia

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	1,672.81	91.33	493.73	90.23	46.50	65.74	1,132.58	93.32
Teff	545.77	29.80	126.54	23.13	11.31	15.99	407.92	33.61
Barely	147.85	8.07	105.79	19.33	.73	1.03	41.33	3.41
Wheat	500.98	27.35	199.24	36.41	5.44	7.69	296.30	24.41
Maize	420.79	22.97	42.35	7.74	18.62	26.33	359.82	29.65
Sorghum	38.42	2.10	3.39	.62	10.20	14.42	24.83	2.05
Millet	11.57	.63	10.34	1.89	.14	.20	1.09	.09
Oats	6.08	.33	6.08	1.11	*	*	*	*
PULSES	68.13	3.72	35.22	6.44	8.07	11.41	24.84	2.05
Horse Beans	21.74	1.19	16.82	3.07	*	*	4.92	.41
Field Peas	10.83	.59	10.83	1.98	*	*	*	*
Haricot Beans	28.04	1.53	5.25	.96	7.19	10.17	15.60	1.29
Chick Peas	*	*	*	*	-	-	*	*
Lentils	2.19	.12	1.35	.25	*	*	.84	.07
Vetch	*	*	*	*	*	*	*	*
OILSEEDS	8.14	.44	4.91	.90	.27	.38	2.96	.24
Neug	.29	.02	.29	.05	-	-	-	-
Lin Seed	2.45	.13	1.78	.33	*	*	.67	.06
Rape seed	4.40	.24	2.49	.46	*	*	1.91	.16
Ground Nuts	*	*	*	*	*	*	*	*
Sun Flower	*	*	*	*	-	-	*	*
Sesame	*	*	*	*	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	36.38	1.99	9.49	1.73	5.69	8.04	21.20	1.75
Fenugreek	.47	.03	.20	.04	*	*	.27	.02
Spices	.84	.05	.84	.15	*	*	*	*
Potatoes	18.78	1.03	4.93	.90	3.84	5.43	10.01	.82
Other Vegetables	13.62	.74	3.53	.65	1.42	2.01	8.67	.71
ALL TEMPORARY	1,785.48	97.49	543.36	99.30	60.54	85.59	1,181.58	97.36
Chat	37.95	2.07	2.72	.50	9.42	13.32	25.81	2.13
Coffee	4.72	.26	.61	.11	*	*	4.11	.34
Enset	*	*	*	*	-	-	*	*
Cotton	-	-	-	-	-	-	-	-
Tobacco	*	*	*	*	-	-	-	-
Fruits	1.24	.07	*	*	*	*	1.24	.10
Other Permanent	*	*	*	*	*	*	*	*
TOTAL PERMANENT	46.07	2.52	3.84	.70	10.20	14.42	32.03	2.64
ALL CROPS	1,831.53	100.00	547.19	100.00	70.73	100.00	1,213.61	100.00

TABLE 3.6.1

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

West Melega

('000 GT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	78.31	97.50	10.91	97.85	1.53	96.23	65.87	97.47
Teff	5.33	6.64	5.33	47.80	*	*	*	*
Barely	*	*	-	-	-	-	*	*
Wheat	*	*	*	*	*	*	*	*
Maize	59.63	74.24	.22	1.97	1.02	64.15	58.39	86.40
Sorghum	1.73	2.15	*	*	*	*	1.73	2.56
Millet	.06	.07	*	*	.06	3.77	*	*
Oats	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	-	-	-	-
Horse Beans	*	*	*	*	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	*	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	-	-	*	*
Neug	*	*	*	*	-	-	-	-
Lin Seed	*	*	-	-	-	-	*	*
Rape seed	*	*	-	-	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	-
Spices	*	*	*	*	-	-	*	*
Potatoes	*	*	*	*	-	-	*	*
Other Vegetables	*	*	-	-	-	-	*	*
ALL TEMPORARY	79.29	98.72	11.14	99.91	1.53	96.23	66.62	98.58
Chat	*	*	*	*	-	-	-	-
Coffee	*	*	*	*	-	-	*	*
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	*	*	*	*
Other Permanent	*	*	-	-	*	*	*	*
TOTAL PERMANENT	*	*	*	*	*	*	*	*
ALL CROPS	80.32	100.00	11.15	100.00	1.59	100.00	67.58	100.00

TABLE 3.6.2

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

East Welega

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	195.36	96.41	55.66	94.42	*	*	139.70	97.22
Teff	40.82	20.14	40.82	69.25	*	*	*	*
Barely	*	*	*	*	-	-	*	*
Wheat	13.07	6.45	2.91	4.94	*	*	10.16	7.07
Maize	125.69	62.03	5.95	10.09	*	*	119.74	83.33
Sorghum	*	*	*	*	-	-	*	*
Millet	5.19	2.56	5.19	8.80	*	*	*	*
Oats	*	*	-	-	-	-	*	*
PULSES	*	*	*	*	*	*	*	*
Horse Beans	*	*	*	*	*	*	*	*
Field Peas	*	*	*	*	-	-	*	*
Haricot Beans	*	*	*	*	-	-	*	*
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	.65	.32	.65	1.10	*	*	*	*
Neug	.24	.12	.24	.41	-	-	-	-
Lin Seed	*	*	*	*	-	-	-	-
Rape seed	*	*	*	*	*	*	*	*
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	*	*	*	*
Fenugreek	*	*	-	-	-	-	*	*
Spices	*	*	*	*	*	*	*	*
Potatoes	*	*	*	*	-	-	-	-
Other Vegetables	*	*	*	*	-	-	*	*
ALL TEMPORARY	202.64	100.00	58.95	100.00	*	*	143.69	100.00
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	202.64	100.00	58.95	100.00	*	*	143.69	100.00

TABLE 3.6.3

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Illibabor

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	40.57	98.47	9.32	99.89	.75	96.15	30.50	98.10
Teff	7.14	17.33	7.14	76.53	*	*	*	*
Barely	*	*	-	-	-	-	*	*
Wheat	*	*	*	*	-	-	*	*
Maize	31.10	75.49	2.11	22.62	*	*	28.99	93.25
Sorghum	*	*	-	-	*	*	*	*
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	-	-	*	*
Horse Beans	*	*	*	*	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	*	*	-	-	*	*	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	*	*	-	-	*	*	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	40.62	98.59	9.33	100.00	.76	97.44	30.53	98.20
Chat	*	*	-	-	-	-	*	*
Coffee	*	*	-	-	*	*	*	*
Enset	*	*	-	-	-	-	*	*
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	-	-	*	*
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	-	-	*	*	*	*
ALL CROPS	41.20	100.00	9.33	100.00	.78	100.00	31.09	100.00

TABLE 3.6.4

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Jimma

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	111.89	97.07	50.70	95.66	4.25	100.00	56.94	98.14
Teff	38.00	32.97	34.81	65.68	*	*	3.19	5.50
Barely	*	*	*	*	-	-	-	-
Wheat	*	*	*	*	-	-	*	*
Maize	64.84	56.25	9.56	18.04	1.88	44.24	53.40	92.04
Sorghum	*	*	*	*	-	-	-	-
Millet	*	*	*	*	-	-	*	*
Oats	*	*	*	*	-	-	-	-
PULSES	*	*	*	*	-	-	*	*
Horse Beans	*	*	*	*	-	-	-	-
Field Peas	*	*	*	*	-	-	-	-
Haricot Beans	*	*	*	*	-	-	*	*
Chick Peas	-	-	-	-	-	-	-	-
Lentils	*	*	*	*	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	*	*	*	*	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	-
Spices	*	*	*	*	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	*	*	*	*	-	-	*	*
ALL TEMPORARY	114.19	99.06	52.88	99.77	4.25	100.00	57.06	98.35
Chat	*	*	*	*	-	-	*	*
Coffee	*	*	*	*	-	-	*	*
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	*	-	-	*	*
ALL CROPS	115.27	100.00	53.00	100.00	4.25	100.00	58.02	100.00

TABLE 3.6.5

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

West Shewa

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	383.70	97.92	36.18	88.65	4.22	96.35	343.30	99.03
Teff	212.27	54.17	9.94	24.36	2.53	57.76	199.80	57.63
Barely	40.04	10.22	12.80	31.36	*	*	27.24	7.86
Wheat	91.49	23.35	12.17	29.82	*	*	79.32	22.88
Maize	36.90	9.42	*	*	*	*	36.90	10.64
Sorghum	*	*	*	*	-	-	*	*
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	2.12	.54	*	*	*	*	2.12	.61
Horse Beans	1.41	.36	*	*	-	-	1.41	.41
Field Peas	*	*	*	*	-	-	*	*
Haricot Beans	*	*	*	*	-	-	-	-
Chick Peas	*	*	*	*	-	-	-	-
Lentils	*	*	*	*	*	*	*	*
Vetch	*	*	-	-	*	*	*	*
OILSEEDS	*	*	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	-
Lin Seed	*	*	-	-	-	-	*	*
Rape seed	*	*	*	*	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	.81	.21	*	*	*	*	.81	.23
Fenugreek	*	*	*	*	*	*	*	*
Spices	*	*	*	*	-	-	*	*
Potatoes	*	*	*	*	-	-	*	*
Other Vegetables	*	*	*	*	-	-	*	*
ALL TEMPORARY	391.85	100.00	40.80	99.98	4.38	100.00	346.67	100.00
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	*	-	-	-	-
ALL CROPS	391.85	100.00	40.81	100.00	4.38	100.00	346.67	100.00

TABLE 3.6.6

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

North Shewa

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	129.09	103.21	4.72	*	1.31	87.92	123.06	99.57
Teff	62.01	49.58	2.06	*	1.02	68.46	58.93	47.68
Barely	*	*	*	*	*	*	*	*
Wheat	61.00	48.77	*	*	*	*	61.00	49.36
Maize	*	*	*	*	-	-	-	-
Sorghum	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-
Oats	*	*	-	-	*	*	*	*
PULSES	*	*	*	*	*	*	*	*
Horse Beans	*	*	-	-	-	-	*	*
Field Peas	*	*	*	*	*	*	*	*
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	-	-	*	*
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	-
Lin Seed	*	*	-	-	-	-	*	*
Rape seed	*	*	*	*	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	*	*
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	*	*	*	*
Fenugreek	*	*	*	*	-	-	*	*
Spices	-	-	-	-	-	-	-	-
Potatoes	*	*	-	-	*	*	*	*
Other Vegetables	*	*	-	-	-	-	*	*
ALL TEMPORARY	125.08	100.00	*	*	1.49	100.00	123.59	100.00
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	125.08	100.00	*	*	1.49	100.00	123.59	100.00

TABLE 3.6.7

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

East Shewa

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	276.46	91.99	21.59	69.51	2.41	87.00	252.46	94.66
Teff	129.90	43.22	6.24	20.09	.57	20.58	123.09	46.15
Barely	9.52	3.17	1.72	5.54	*	*	7.80	2.92
Wheat	106.58	35.46	4.14	13.33	*	*	102.44	38.41
Maize	27.38	9.11	8.96	28.85	*	*	18.42	6.91
Sorghum	.39	.13	.39	1.26	-	-	*	*
Millet	*	*	*	*	*	*	*	*
Oats	*	*	*	*	-	-	*	*
PULSES	5.12	1.70	5.12	16.48	*	*	*	*
Horse Beans	*	*	*	*	*	*	*	*
Field Peas	*	*	*	*	-	-	*	*
Haricot Beans	.80	.27	*	*	*	*	.80	.30
Chick Peas	*	*	*	*	-	-	*	*
Lentils	*	*	*	*	-	-	*	*
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	*	*	*	*	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	*	*	-	-	-	-	*	*
Sesame	*	*	*	*	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	11.91	3.96	4.08	13.14	*	*	7.83	2.94
Fenugreek	*	*	*	*	-	-	*	*
Spices	*	*	-	-	*	*	*	*
Potatoes	*	*	*	*	*	*	*	*
Other Vegetables	5.17	1.72	1.54	4.96	*	*	3.63	1.36
ALL TEMPORARY	300.17	99.88	30.95	99.65	2.77	100.00	266.45	99.91
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	*	*	*	*	-	-	*	*
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	*	*	*	*	-	-	-	-
TOTAL PERMANENT	*	*	*	*	-	-	*	*
ALL CROPS	300.53	100.00	31.06	100.00	2.77	100.00	266.70	100.00

TABLE 3.6.8

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

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('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	256.43	89.34	225.33	89.63	*	*	31.10	93.76
Teff	21.99	7.66	16.22	6.45	.51	20.73	5.26	15.86
Barely	71.73	24.99	70.82	28.17	*	*	.91	2.74
Wheat	151.63	52.83	128.39	51.07	*	*	23.24	70.06
Maize	6.15	2.14	6.15	2.45	*	*	*	*
Sorghum	*	*	*	*	*	*	*	*
Millet	-	-	-	-	-	-	-	-
Oats	*	*	*	*	-	-	*	*
PULSES	20.17	7.03	20.17	8.02	*	*	*	*
Horse Beans	12.43	4.33	12.43	4.94	*	*	*	*
Field Peas	*	*	*	*	*	*	*	*
Haricot Beans	*	*	*	*	-	-	*	*
Chick Peas	-	-	-	-	-	-	-	-
Lentils	.23	.08	.23	.09	-	-	*	*
Vetch	*	*	*	*	-	-	-	-
OILSEEDS	3.55	1.24	3.55	1.41	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Lin Seed	1.51	.53	1.51	.60	*	*	*	*
Rape seed	*	*	*	*	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	2.35	.82	2.22	.88	.13	5.28	*	*
Fenugreek	*	*	*	*	-	-	-	-
Spices	*	*	*	*	*	*	*	*
Potatoes	1.64	.57	1.64	.65	-	-	*	*
Other Vegetables	*	*	*	*	*	*	*	*
ALL TEMPORARY	286.91	99.96	251.28	99.95	2.46	100.00	33.17	100.00
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	*	*	*	*	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	*	*	*	*	-	-	-	-
TOTAL PERMANENT	*	*	*	*	-	-	-	-
ALL CROPS	287.03	100.00	251.40	100.00	2.46	100.00	33.17	100.00

TABLE 3.6.9

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

West Harerge

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	21.15	68.27	7.24	84.19	2.34	56.80	11.57	63.36
Teff	*	*	*	*	*	*	*	*
Barely	*	*	*	*	*	*	*	*
Wheat	*	*	-	-	*	*	*	*
Maize	12.36	39.90	4.30	50.00	1.45	35.19	6.61	36.20
Sorghum	1.48	4.78	.78	9.07	.70	16.99	*	*
Millet	*	*	-	-	-	-	*	*
Oats	*	*	*	*	-	-	*	*
PULSES	.42	1.36	*	*	.42	10.19	*	*
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	*	*	-	-	*	*	-	-
Haricot Beans	.41	1.32	*	*	.41	9.95	*	*
Chick Peas	*	*	*	*	-	-	*	*
Lentils	-	-	-	-	-	-	-	-
Vetch	*	*	*	*	-	-	-	-
OILSEEDS	*	*	*	*	-	-	*	*
Neug	-	-	-	-	-	-	-	-
Lin Seed	*	*	-	-	-	-	*	*
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	*	*	*	*	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	*	*	*	*
Fenugreek	-	-	-	-	-	-	-	-
Spices	*	*	*	*	-	-	*	*
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	*	*	*	*	*	*	*	*
ALL TEMPORARY	24.31	78.47	7.61	88.49	2.77	67.23	13.93	76.29
Chat	1.36	4.39	.60	6.98	.76	18.45	*	*
Coffee	*	*	*	*	*	*	*	*
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	-	-	*	*
Other Permanent	*	*	-	-	-	-	*	*
TOTAL PERMANENT	2.33	7.52	.98	11.40	1.35	32.77	*	*
ALL CROPS	30.98	100.00	8.60	100.00	4.12	100.00	18.26	100.00

TABLE 3.6.10

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

East Harerge

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	92.53	56.59	4.75	51.52	17.83	46.07	69.95	60.52
Teff	*	*	*	*	*	*	*	*
Barely	.53	.32	-	-	*	*	.53	.46
Wheat	13.48	8.24	*	*	*	*	13.48	11.66
Maize	42.51	26.00	2.52	27.33	7.36	19.02	32.63	28.23
Sorghum	30.18	18.46	*	*	9.26	23.93	20.92	18.10
Millet	-	-	-	-	-	-	-	-
Oats	*	*	-	-	-	-	*	*
PULSES	21.48	13.14	1.06	11.50	6.83	17.65	13.59	11.76
Horse Beans	*	*	*	*	*	*	*	*
Field Peas	*	*	-	-	-	-	*	*
Haricot Beans	6.61	4.04	*	*	6.61	17.08	*	*
Chick Peas	*	*	-	-	-	-	*	*
Lentils	*	*	-	-	-	-	*	*
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Lin Seed	*	*	-	-	-	-	*	*
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	*	*	*	*	*	*	*	*
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	13.84	8.46	.96	10.41	5.14	13.28	7.74	6.70
Fenugreek	*	*	-	-	-	-	*	*
Spices	*	*	-	-	*	*	-	-
Potatoes	9.26	5.66	*	*	3.79	9.79	5.47	4.73
Other Vegetables	3.44	2.10	*	*	1.20	3.10	2.24	1.94
ALL TEMPORARY	128.37	78.51	7.10	77.01	29.93	77.34	91.34	79.03
Chat	34.53	21.12	2.10	22.78	8.67	22.40	23.76	20.56
Coffee	*	*	*	*	*	*	*	*
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	-	-	*	*
Other Permanent	*	*	*	*	*	*	-	-
TOTAL PERMANENT	35.13	21.49	2.12	22.99	8.77	22.66	24.24	20.97
ALL CROPS	163.50	100.00	9.22	100.00	38.70	100.00	115.58	100.00

TABLE 3.6.11

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.).

Bale

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	62.56	98.57	61.57	98.54	.99	100.00	*	*
Teff	*	*	*	*	*	*	-	-
Barely	13.71	21.60	13.48	21.57	*	*	.23	*
Wheat	43.90	69.17	43.17	69.09	.73	73.74	*	*
Maize	*	*	*	*	-	-	*	*
Sorghum	*	*	*	*	*	*	-	-
Millet	-	-	-	-	-	-	-	-
Oats	2.52	3.97	2.52	4.03	*	*	*	*
PULSES	.40	.63	.40	.64	-	-	-	-
Horse Beans	*	*	*	*	-	-	-	-
Field Peas	*	*	*	*	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	*	*	*	*	-	-	-	-
Vetch	*	*	*	*	-	-	-	-
OILSEEDS	*	*	*	*	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	*	*	*	*	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	.43	.68	.43	.69	-	-	-	-
Fenugreek	*	*	*	*	-	-	-	-
Spices	*	*	*	*	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	*	*	*	*	-	-	-	-
ALL TEMPORARY	63.46	99.98	62.47	99.98	.99	100.00	*	*
Chat	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	*	-	-	-	-
ALL CROPS	63.47	100.00	62.48	100.00	.99	100.00	*	*

TABLE 3.6.12

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Borena

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	10.24	85.26	5.74	89.97	.12	100.00	4.38	79.49
Teff	*	*	*	*	*	*	*	*
Barely	*	*	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*
Maize	3.28	27.31	*	*	*	*	3.28	59.53
Sorghum	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	*	-	-	-	-
Chick Peas	*	*	*	*	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	-	-	*	*
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	*	*	*	*	-	-	*	*
Other Vegetables	*	*	*	*	-	-	*	*
ALL TEMPORARY	10.93	91.01	6.02	94.36	.12	100.00	4.79	86.93
Chat	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	-	-	*	*
Enset	*	*	*	*	-	-	*	*
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	*	*
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	*	-	-	*	*
ALL CROPS	12.01	100.00	6.38	100.00	.12	100.00	5.51	100.00

TABLE 3.7

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Somale

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	*	*	*	*	*	*	*	*
Teff	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-
Wheat	*	*	*	*	*	*	*	*
Maize	*	*	-	-	-	-	*	*
Sorghum	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	*	*	*	*	*	*	*	*
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	-	-	-	-	-	-
ALL CROPS	*	*	*	*	.01	100.00	*	*

TABLE 3.7.1

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Shinele

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	*	*	.01	100.00	-	-	-	-
Teff	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	*	*	-	-	-	-	-	-
Sorghum	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	*	*	.01	100.00	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	*	*	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	-	-	-	-	-	-
ALL CROPS	.01	100.00	.01	100.00	-	-	.01	100.00

TABLE 3.7.2

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Jijiga

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	*	*	-	-	.01	100.00	.10	100.00
Teff	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-
Wheat	.08	*	-	-	.01	100.00	.05	50.00
Maize	*	*	-	-	-	-	.05	50.00
Sorghum	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	*	*	-	-	.01	100.00	.10	100.00
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	*	*	-	-	.01	100.00	.10	100.00

TABLE 3.8

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Benshangul-Gumuz

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	11.78	94.24	1.73	82.38	.26	66.67	9.79	97.80
Teff	*	*	*	*	*	*	*	*
Barely	*	*	*	*	-	-	*	*
Wheat	*	*	*	*	*	*	*	*
Maize	8.68	69.44	.33	15.71	*	*	8.35	83.42
Sorghum	*	*	*	*	-	-	*	*
Millet	.44	3.52	.44	20.95	*	*	*	*
Oats	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	-	-	*	*
Horse Beans	*	*	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	*	*	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	*	*	-	-
Neug	*	*	*	*	-	-	-	-
Lin Seed	*	*	*	*	-	-	-	-
Rape seed	*	*	*	*	*	*	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	.37	2.96	.26	12.38	.11	28.21	*	*
Fenugreek	-	-	-	-	-	-	-	-
Spices	.21	1.68	.10	4.76	.11	28.21	*	*
Potatoes	*	*	*	*	-	-	-	-
Other Vegetables	*	*	*	*	-	-	-	-
ALL TEMPORARY	12.50	100.00	2.10	100.00	.39	100.00	10.01	100.00
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	12.50	100.00	2.10	100.00	.39	100.00	10.01	100.00

TABLE 3.8.1

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Metekel

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	9.63	96.20	1.55	85.16	.05	50.00	8.03	99.26
Teff	.79	7.89	*	*	-	-	.79	9.77
Barely	*	*	*	*	-	-	*	*
Wheat	*	*	*	*	*	*	*	*
Maize	6.88	68.73	.26	14.29	*	*	6.62	81.83
Sorghum	-	-	-	-	-	-	-	-
Millet	.44	4.40	.44	24.18	*	*	*	*
Oats	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	-	-	*	*
Horse Beans	*	*	-	-	-	-	*	*
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	*	*	-	-	-	-	*	*
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	*	*	-	-
Neug	*	*	*	*	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	*	*	*	*	*	*	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	*	*	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	*	*	*	*	*	*	-	-
Potatoes	*	*	*	*	-	-	-	-
Other Vegetables	*	*	*	*	-	-	-	-
ALL TEMPORARY	10.00	99.90	1.81	99.45	.10	100.00	8.09	100.00
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	10.01	100.00	1.82	100.00	.10	100.00	8.09	100.00

TABLE 3.8.2

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Asosa

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	.97	65.99	.12	54.55	*	*	.85	84.16
Teff	.08	5.44	.08	36.36	*	*	*	*
Barely	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	.82	55.78	*	*	*	*	.82	81.19
Sorghum	*	*	*	*	-	-	*	*
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	*	*	*	*	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	.16	10.88	.09	40.91	.07	29.17	*	*
Fenugreek	-	-	-	-	-	-	-	-
Spices	.16	10.88	.09	40.91	.07	29.17	*	*
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	1.47	100.00	.22	100.00	.24	100.00	1.01	100.00
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	1.47	100.00	.22	100.00	.24	100.00	1.01	100.00

TABLE 3.8.3

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Kemeshi

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	.91	100.00	-	-	-	-	.91	100.00
Teff	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	.91	100.00	-	-	-	-	.91	100.00
Sorghum	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	.91	100.00	-	-	-	-	.91	100.00
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	.91	100.00	-	-	-	-	.91	100.00

TABLE 3.9

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

(S.N.N.P.R)

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	344.81	73.56	174.78	70.05	15.84	62.83	154.19	79.47
Teff	66.02	14.08	42.91	17.20	3.98	15.79	19.13	9.86
Barely	23.58	5.03	23.58	9.45	*	*	*	*
Wheat	94.71	20.20	42.83	17.16	.73	2.90	51.15	26.36
Maize	148.83	31.75	63.35	25.39	10.01	39.71	75.47	38.90
Sorghum	2.73	.58	1.48	.59	.24	.95	1.01	.52
Millet	.59	.13	.59	.24	*	*	*	*
Oats	*	*	*	*	-	-	-	-
PULSES	44.35	9.46	31.05	12.44	1.52	6.03	11.78	6.07
Horse Beans	10.67	2.28	9.35	3.75	*	*	1.32	.68
Field Peas	9.74	2.08	8.63	3.46	*	*	1.11	.57
Haricot Beans	23.25	4.96	12.84	5.15	1.09	4.32	9.32	4.80
Chick Peas	*	*	*	*	*	*	-	-
Lentils	.07	.01	.04	.02	*	*	.03	.02
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	2.66	.57	2.06	.83	*	*	.60	.31
Naug	*	*	*	*	-	-	*	*
Lin Seed	*	*	*	*	-	-	*	*
Rape seed	1.77	.38	1.77	.71	*	*	*	*
Ground Nuts	*	*	-	-	-	-	*	*
Sun Flower	*	*	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	37.13	7.92	16.40	6.57	1.65	6.55	19.08	9.83
Fenugreek	*	*	*	*	-	-	*	*
Spices	22.92	4.89	8.48	3.40	.69	2.74	13.75	7.09
Potatoes	3.89	.83	3.89	1.56	*	*	*	*
Other Vegetables	7.51	1.60	4.00	1.60	.92	3.65	2.59	1.33
ALL TEMPORARY	429.46	91.62	224.29	89.89	19.53	77.47	185.64	95.68
Chat	1.34	.29	*	*	*	*	1.34	.69
Coffee	20.82	4.44	13.86	5.55	2.59	10.27	4.37	2.25
Enset	8.14	1.74	5.91	2.37	*	*	2.23	1.15
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	*	*	*	*
Other Permanent	.55	.12	.55	.22	*	*	*	*
TOTAL PERMANENT	39.29	8.38	25.23	10.11	5.67	22.49	8.39	4.32
ALL CROPS	468.76	100.00	249.52	100.00	25.21	100.00	194.03	100.00

TABLE 3.9.1

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Gurage

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	88.48	80.86	55.54	78.80	3.12	91.76	29.82	83.88
Teff	7.60	6.95	*	*	*	*	7.60	21.38
Barely	19.10	17.45	19.10	27.10	*	*	*	*
Wheat	17.61	16.09	14.03	19.91	.30	8.82	3.28	9.23
Maize	18.57	16.97	4.77	6.77	*	*	13.80	38.82
Sorghum	.67	.61	.56	.79	.11	3.24	*	*
Millet	-	-	-	-	-	-	-	-
Oats	*	*	*	*	-	-	-	-
PULSES	1.71	1.56	*	*	*	*	1.71	4.81
Horse Beans	3.77	3.45	3.06	4.34	*	*	.71	2.00
Field Peas	*	*	*	*	*	*	*	*
Haricot Beans	*	*	*	*	*	*	*	*
Chick Peas	-	-	-	-	-	-	-	-
Lentils	*	*	-	-	-	-	*	*
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	-	-	*	*
Neug	*	*	*	*	-	-	*	*
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	*	*	*	*	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	4.36	3.98	4.25	6.03	.11	3.24	*	*
Fenugreek	-	-	-	-	-	-	-	-
Spices	.07	.06	*	*	.07	2.06	*	*
Potatoes	2.25	2.06	2.25	3.19	-	-	*	*
Other Vegetables	.05	.05	.05	.07	*	*	*	*
ALL TEMPORARY	109.26	99.84	70.34	99.80	3.37	99.12	35.55	100.00
Chat	*	*	*	*	*	*	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	*	*	*	*	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	*	*	-	-	*	*	*	*
TOTAL PERMANENT	*	*	*	*	*	*	*	*
ALL CROPS	109.43	100.00	70.48	100.00	3.40	100.00	35.55	100.00

TABLE 3.9.2

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Hadiya

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	91.45	90.33	36.40	81.93	.76	*	54.29	95.56
Teff	17.77	17.55	9.30	20.93	.11	*	8.36	14.72
Barely	3.30	3.26	3.30	7.43	*	*	*	*
Wheat	54.79	54.12	19.46	43.80	*	*	35.33	62.19
Maize	12.96	12.80	4.14	9.32	*	*	8.82	15.53
Sorghum	.29	.29	.13	.29	-	-	.16	.28
Millet	*	*	*	*	-	-	*	*
Oats	-	-	-	-	-	-	-	-
PULSES	7.25	7.16	6.19	13.93	*	*	1.06	1.87
Horse Beans	5.07	5.01	4.75	10.69	*	*	.32	.56
Field Peas	1.22	1.21	1.22	2.75	-	-	*	*
Haricot Beans	*	*	*	*	*	*	*	*
Chick Peas	-	-	-	-	-	-	-	-
Lentils	*	*	*	*	-	-	*	*
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Lin Seed	*	*	*	*	-	-	*	*
Rape seed	*	*	*	*	*	*	*	*
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	.94	.93	*	*	*	*	.94	1.65
Fenugreek	-	-	-	-	-	-	-	-
Spices	*	*	*	*	*	*	*	*
Potatoes	.15	.15	.15	.34	*	*	*	*
Other Vegetables	*	*	*	*	-	-	*	*
ALL TEMPORARY	100.39	99.16	43.97	98.96	*	*	56.42	99.31
Chat	*	*	*	*	-	-	*	*
Coffee	.39	.39	.39	.88	*	*	*	*
Enset	.02	.02	.02	.05	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	*	*
Other Permanent	*	*	*	*	-	-	*	*
TOTAL PERMANENT	.46	.45	.46	1.04	*	*	*	*
ALL CROPS	101.24	100.00	44.43	100.00	*	*	56.81	100.00

TABLE 3.9.3

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Keribata Alaba Tembaro

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	39.95	65.96	20.52	70.83	*	*	19.43	61.49
Teff	7.63	12.60	5.60	19.33	*	*	2.03	6.42
Berey	.86	1.42	.34	1.17	*	*	.52	1.65
Wheat	15.91	26.27	6.31	21.78	*	*	9.60	30.38
Maize	13.73	22.67	7.14	24.65	*	*	6.59	20.85
Sorghum	.84	1.39	.61	2.11	*	*	.23	.73
Millet	.52	.86	.52	1.79	*	*	*	*
Oats	-	-	-	-	-	-	-	-
PULSES	2.68	4.42	1.79	6.18	*	*	.89	2.82
Horse Beans	1.59	2.63	1.30	4.49	-	-	.29	.92
Field Peas	.07	.12	.07	.24	-	-	*	*
Haricot Beans	.95	1.57	.40	1.38	*	*	.55	1.74
Chick Peas	*	*	*	*	-	-	-	-
Lentils	.01	.02	.01	.03	-	-	*	*
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	*	*	*	*	*	*	*	*
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	17.30	28.56	6.40	22.09	*	*	10.90	34.49
Fenugreek	*	*	*	*	-	-	*	*
Spices	15.71	25.94	5.88	20.30	*	*	9.83	31.11
Potatoes	.20	.33	.20	.69	*	*	*	*
Other Vegetables	.29	.48	.29	1.00	*	*	*	*
ALL TEMPORARY	60.03	99.11	28.72	99.14	*	*	31.31	99.08
Chat	*	*	*	*	-	-	*	*
Coffee	*	*	*	*	*	*	*	*
Enset	*	*	*	*	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-
Other Permanent	*	*	*	*	-	-	*	*
TOTAL PERMANENT	.25	.41	.25	.86	*	*	*	*
ALL CROPS	60.57	100.00	28.97	100.00	*	*	31.60	100.00

TABLE 3.9.4

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Sidama

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	53.36	47.41	31.29	46.53	1.92	23.50	20.15	54.25
Teff	1.63	1.45	1.63	2.42	*	*	*	*
Barely	*	*	*	*	-	-	-	-
Wheat	*	*	*	*	*	*	*	*
Maize	50.03	44.45	28.47	42.34	1.74	21.30	19.82	53.37
Sorghum	*	*	*	*	*	*	*	*
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	6.89	6.12	*	*	.61	7.47	6.28	16.91
Horse Beans	*	*	*	*	-	-	-	-
Field Peas	*	*	*	*	-	-	-	-
Haricot Beans	6.89	6.12	*	*	.61	7.47	6.28	16.91
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	*	*	*	*	*	*	*	*
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	6.69	5.94	3.47	5.16	.35	4.28	2.87	7.73
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	*	*	*	*	-	-	*	*
Other Vegetables	4.64	4.12	2.65	3.94	.35	4.28	1.64	4.42
ALL TEMPORARY	76.38	67.86	43.84	65.20	2.98	36.47	29.56	79.59
Chat	1.25	1.11	*	*	*	*	1.25	3.37
Coffee	16.47	14.63	12.69	18.87	*	*	3.78	10.18
Enset	7.69	6.83	5.47	8.14	*	*	2.22	5.98
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	*	*	*	*
Other Permanent	.53	.47	.53	.79	*	*	*	*
TOTAL PERMANENT	36.16	32.13	23.40	34.80	5.19	63.53	7.57	20.38
ALL CROPS	112.55	100.00	67.24	100.00	8.17	100.00	37.14	100.00

TABLE 3.9.5

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Gedio

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	1.96	42.98	*	*	*	*	1.96	83.40
Teff	*	*	*	*	*	*	-	-
Barely	*	*	*	*	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	1.96	42.98	*	*	*	*	1.96	83.40
Sorghum	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	.21	4.61	.21	9.50	*	*	*	*
Horse Beans	*	*	*	*	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	*	*	*	*	*
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	*	*	-	-	-	-	*	*
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	*	*	*	*
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	*	*	*	*	*	*	*	*
ALL TEMPORARY	3.91	85.75	1.63	73.76	*	*	2.28	97.02
Chat	-	-	-	-	-	-	-	-
Coffee	.01	.22	*	*	.01	*	*	*
Enset	*	*	*	*	*	*	*	*
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	*	*	*	*
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	*	*	*	*	*
ALL CROPS	4.56	100.00	2.21	100.00	*	*	2.35	100.00

TABLE 3.9.6

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

North Omo

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	48.64	86.97	23.62	80.81	*	*	25.02	93.71
Teff	6.11	10.92	6.11	20.90	*	*	*	*
Barely	*	*	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*
Maize	37.60	67.23	15.62	53.44	*	*	21.98	82.32
Sorghum	*	*	*	*	*	*	-	-
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	4.54	8.12	4.25	14.54	.29	*	*	*
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	*	*	*	*	*	*	*	*
Haricot Beans	4.18	7.47	3.94	13.48	.24	*	*	*
Chick Peas	*	*	*	*	*	*	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	1.02	1.82	1.02	3.49	*	*	*	*
Fenugreek	-	-	-	-	-	-	-	-
Spices	*	*	-	-	*	*	-	-
Potatoes	*	*	*	*	-	-	*	*
Other Vegetables	*	*	*	*	*	*	*	*
ALL TEMPORARY	55.55	99.32	28.89	98.84	*	*	26.66	99.85
Chat	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	*	*	*	*
Enset	*	*	*	*	*	*	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	*	*	*	*	*
ALL CROPS	55.93	100.00	29.23	100.00	*	*	26.70	100.00

TABLE 3.9.7

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1998 E.C.)

South Omo

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	2.62	71.20	.86	59.72	.41	74.55	1.35	79.88
Teff	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-
Wheat	*	*	-	-	-	-	*	*
Maize	2.21	60.05	.83	57.64	.41	74.55	.97	57.40
Sorghum	*	*	*	*	-	-	-	-
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	.68	18.48	.41	28.47	*	*	.27	15.98
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	.68	18.48	.41	28.47	*	*	.27	15.98
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	3.68	100.00	1.44	100.00	.55	100.00	1.69	100.00
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	3.68	100.00	1.44	100.00	.55	100.00	1.69	100.00

TABLE 3.9.8

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1998 E.C.)

Keficho-Shekicho

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	.80	94.12	.71	93.42	.09	100.00	-	-
Teff	*	*	*	*	-	-	-	-
Barely	-	-	-	-	-	-	-	-
Wheat	.32	37.65	.32	42.11	-	-	-	-
Maize	.37	43.53	.28	36.84	.09	100.00	-	-
Sorghum	*	*	*	*	-	-	-	-
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	.80	94.12	.71	93.42	.09	100.00	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	*	-	-	-	-
ALL CROPS	.85	100.00	.76	100.00	.09	100.00	-	-

TABLE 3.9.9

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Bench-Maji

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	.99	95.19	.71	95.95	.15	88.24	.13	100.00
Teff	*	*	*	*	*	*	*	*
Barely	-	-	-	-	-	-	-	-
Wheat	*	*	-	-	*	*	*	*
Maize	.79	75.96	.63	85.14	.08	47.06	.08	61.54
Sorghum	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	-	-	-	-
Horse Beans	*	*	*	*	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	*	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	*	*	-	-	*	*	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	*	*	-	-	*	*	-	-
ALL TEMPORARY	1.04	100.00	.74	100.00	.17	100.00	.13	100.00
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	1.04	100.00	.74	100.00	.17	100.00	.13	100.00

TABLE 3.9.10

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Yam Special Wereda

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	5.78	96.33	3.67	95.08	.12	92.31	1.99	99.00
Teff	3.14	52.33	3.06	79.27	.08	61.54	*	*
Barely	.20	3.33	.20	5.18	*	*	-	-
Wheat	.31	5.17	.31	8.03	*	*	*	*
Maize	1.50	25.00	.08	2.07	*	*	1.42	70.65
Sorghum	*	*	*	*	-	-	-	-
Millet	*	*	-	-	-	-	*	*
Oats	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	*	*	-	-
Horse Beans	*	*	*	*	-	-	-	-
Field Peas	*	*	*	*	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	.01	.17	.01	.26	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	5.97	99.50	3.85	99.74	.13	100.00	1.99	99.00
Chat	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	-	-	*	*
Enset	*	*	-	-	-	-	*	*
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	*	-	-	*	*
ALL CROPS	6.00	100.00	3.86	100.00	.13	100.00	2.01	100.00

TABLE 3.9.11

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Amaro Special Wereda

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	*	*	*	*	*	*	*	*
Teff	*	*	-	-	-	-	*	*
Barely	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	*	*	*	*	*	*	*	*
Sorghum	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	*	*	*	*	*	*	*	*
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	*	*	*	*	*	*	*	*

TABLE 3.9.12

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Burji Special Wereda

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	.04	80.00	.02	66.67	.02	100.00	-	-
Teff	*	*	*	*	*	*	-	-
Barely	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	-	-
Sorghum	*	*	*	*	*	*	-	-
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	.04	80.00	.02	66.67	.02	100.00	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	.05	100.00	.03	100.00	.02	100.00	-	-

TABLE 3.9.13

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1998 E.C.)

Konso Special Wereda

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	.05	71.43	.05	71.43	-	-	-	-
Teff	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	.02	28.57	.02	28.57	-	-	-	-
Sorghum	.02	28.57	.02	28.57	-	-	-	-
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	.02	28.57	.02	28.57	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	.02	28.57	.02	28.57	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	.07	100.00	.07	100.00	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	.07	100.00	.07	100.00	-	-	-	-

TABLE 3.9.14

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Derashe Special Wereda

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	*	*	*	*	-	-	-	-
Teff	*	*	*	*	-	-	-	-
Barely	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	-	-
Sorghum	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	.02	100.00	.02	100.00	-	-	-	-
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	.02	100.00	.02	100.00	-	-	-	-

TABLE 3.10

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Gambela

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	.26	65.00	.02	100.00	.06	100.00	.19	*
Teff	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	.19	47.50	.02	100.00	.06	100.00	.12	*
Sorghum	*	*	-	-	-	-	*	*
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	.26	65.00	.02	100.00	.06	100.00	.19	*
Chat	*	*	-	-	-	-	*	*
Coffee	*	*	-	-	-	-	*	*
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	-	-	-	-	*	*
ALL CROPS	.40	100.00	.02	100.00	.06	100.00	*	*

TABLE 3.11

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Harari

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	6.98	58.66	.45	61.64	2.87	56.83	3.66	59.80
Teff	-	-	-	-	-	-	-	-
Barely	.14	1.18	*	*	.07	1.39	.07	1.14
Wheat	.84	7.06	.10	13.70	.24	4.75	.50	8.17
Maize	2.11	17.73	.12	16.44	.93	18.42	1.06	17.32
Sorghum	3.87	32.52	.22	30.14	1.63	32.28	2.02	33.01
Millet	-	-	-	-	-	-	-	-
Oats	*	*	-	-	-	-	*	*
PULSES	.36	3.03	.02	2.74	.11	2.18	.23	3.76
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	.10	.84	.02	2.74	.08	1.58	*	*
Chick Peas	.03	.25	-	-	.03	.59	*	*
Lentils	*	*	-	-	-	-	*	*
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	.16	1.34	*	*	.16	3.17	*	*
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	.16	1.34	*	*	.16	3.17	*	*
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	.34	2.86	*	*	.12	2.38	.22	3.59
Fenugreek	*	*	-	-	-	-	*	*
Spices	-	-	-	-	-	-	-	-
Potatoes	*	*	*	*	*	*	*	*
Other Vegetables	.28	2.35	-	-	.11	2.18	.17	2.78
ALL TEMPORARY	7.92	66.55	.50	68.49	3.27	64.75	4.15	67.81
Chat	3.89	32.69	.22	30.14	1.72	34.06	1.95	31.86
Coffee	.03	.25	-	-	.03	.59	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	.02	.17	*	*	.02	.40	*	*
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	3.98	33.45	.23	31.51	1.78	35.25	1.97	32.19
ALL CROPS	11.90	100.00	.73	100.00	5.05	100.00	6.12	100.00

TABLE 3.12

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Addis Ababa

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	20.92	94.88	.27	27.00	.17	80.95	20.48	98.27
Teff	12.58	57.05	.07	7.00	*	*	12.51	60.03
Barely	.04	.18	*	*	*	*	.04	.19
Wheat	8.13	36.87	.15	15.00	.05	23.81	7.93	38.05
Maize	-	-	-	-	-	-	-	-
Sorghum	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-
Oats	.01	.05	-	-	-	-	.01	.05
PULSES	.30	1.36	.17	17.00	-	-	.13	.62
Horse Beans	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-
Chick Peas	.16	.73	.09	9.00	-	-	.07	.34
Lentils	.06	.27	.03	3.00	-	-	.03	.14
Vetch	.07	.32	.05	5.00	-	-	.02	.10
OILSEEDS	*	*	-	-	-	-	*	*
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	*	*	-	-	-	-	*	*
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	.21	.95	*	*	*	*	.21	1.01
Fenugreek	.02	.09	.01	1.00	-	-	.01	.05
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	.19	.86	*	*	*	*	.19	.91
ALL TEMPORARY	22.05	100.00	1.00	100.00	.21	100.00	20.84	100.00
Chat	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-
ALL CROPS	22.05	100.00	1.00	100.00	.21	100.00	20.84	100.00

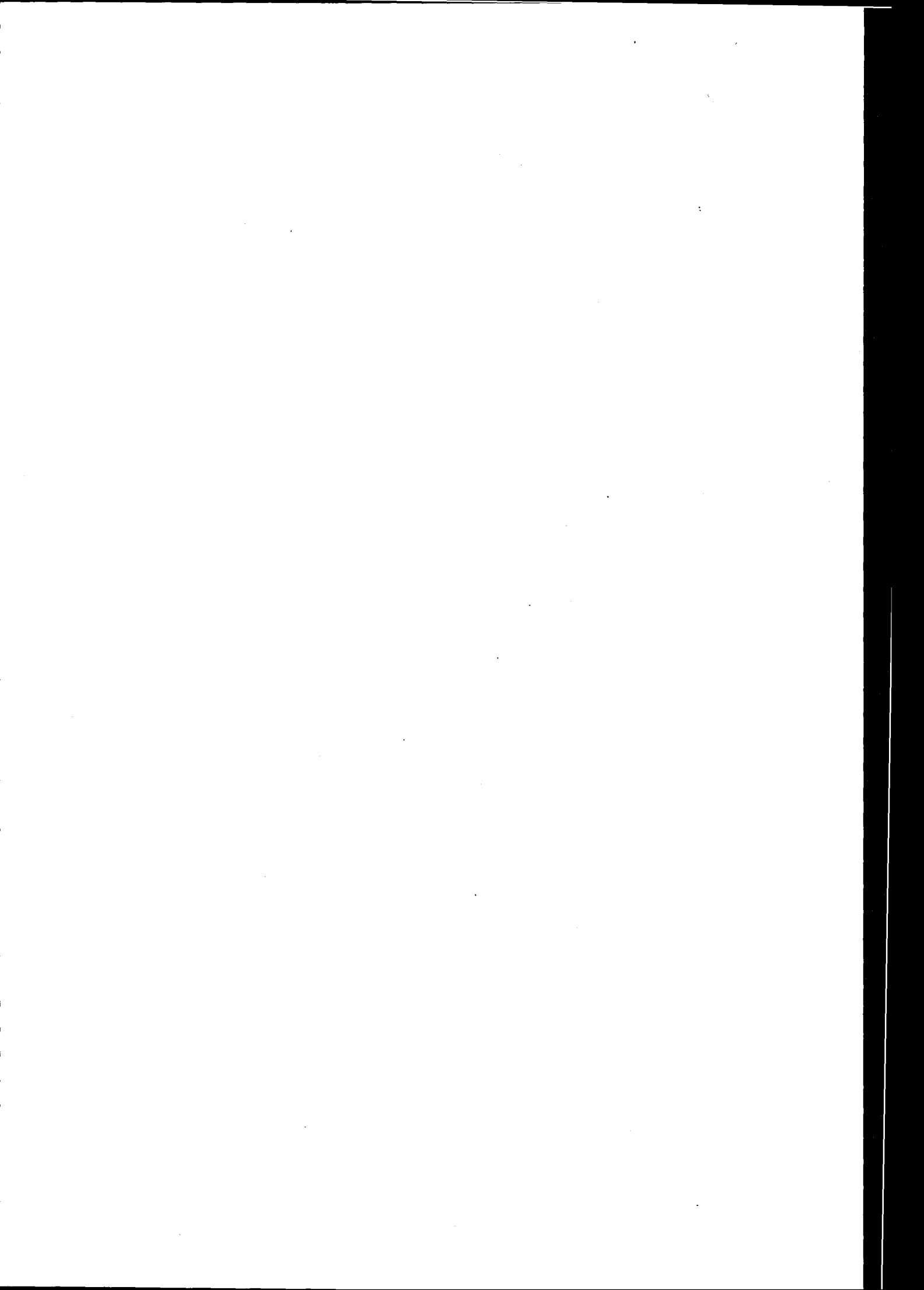
TABLE 3.13

ESTIMATES OF QUANTITY OF COMMERCIAL FERTILIZER BY TYPE
OF FERTILIZER FOR MEHER SEASON CROPS OF PRIVATE HOLDINGS IN
2000/2001(1993 E.C.)

Dire Dawa

('000 QT)

TYPE OF CROP	TOTAL		DAP		UREA		DAP + UREA	
	QUANTITY	%	QUANTITY	%	QUANTITY	%	QUANTITY	%
CEREALS	*	*	*	*	*	*	-	-
Teff	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-
Maize	*	*	*	*	*	*	-	-
Sorghum	*	*	.01	50.00	*	*	-	-
Millet	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-
Horse Beans	-	-	*	*	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-
Haricot Beans	-	-	*	*	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-
ALL TEMPORARY	*	*	.01	50.00	*	*	-	-
Chat	*	*	.01	50.00	-	-	-	-
Coffee	-	-	*	*	-	-	-	-
Enset	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	*	-	-	-	-
ALL CROPS	*	*	.02	100.00	*	*	-	-



4. QUANTITY OF LOCAL AND IMPROVED SEEDS USED BY TYPE OF CROP

The total quantity of local and improved seeds used by the private peasant holders during 2000/2001 (1993 E.C) agricultural year Meher season was estimated to be about 6.64 million quintals, of which 206.57 thousand quintals was improved seeds of major crops. This result indicates that of the total quantity of seeds used, only 3.11% were improved seeds, while the remaining 96.89% was local seeds. Hence, the use of improved seeds by private peasant holders is negligible and the reason for this observation needs further investigation.

Summary Table D. Quantity of Local and Improved Seeds Applied

Seed type	Quantity ('000qt)	Percent
Local seeds	6429.27	96.89
Improved seeds	206.57	3.11
Total	6635.84	100.00

Table 4.1 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

National		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	200.68	5,019.28	
Teff	11.41	1,027.62	
Barley	1.21	1,232.10	
Wheat	91.14	1,651.23	
Maize	95.19	627.97	
Sorghum	1.53	295.90	
Millet	*	130.20	
Oats	-	54.26	
Pulses	5.81	1,261.45	
Horse Beans	2.50	564.29	
Field Peas	1.63	209.38	
Haricot Beans	.42	127.50	
Chick Peas	1.12	180.65	
Lentils	-	68.20	
Vetch	*	111.43	
Others	.08	148.54	
Neug	.04	51.18	
Linseed	-	65.55	
Rapeseed	-	7.14	
Ground Nuts	*	9.58	
Sunflower	*	1.54	
Sesame	*	5.87	
Fenugreek	-	7.68	
All Crops	206.57	6,429.27	

Table 4.2 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

National		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
TIGRAY	9.90	430.61	
AFAR	*	7.06	
AMHARA	42.78	2,021.93	
OROMIYA	107.09	3,276.51	
SOMALE	0.40	26.38	
BENS.GUMUZ	0.97	46.22	
S.N.N.P.R.	44.41	595.88	
GAMBELA	0.15	4.92	
HARARI	0.28	4.89	
ADDIS ABABA	0.59	12.65	
dIRE DAWA	0.01	2.21	
All Crops	206.57	6,429.27	

FIG. 5 ESTIMATES OF QUANTITY OF SEED BY TYPE OF SEED,
BY REGION, 2000/2001(1993 E.C.)

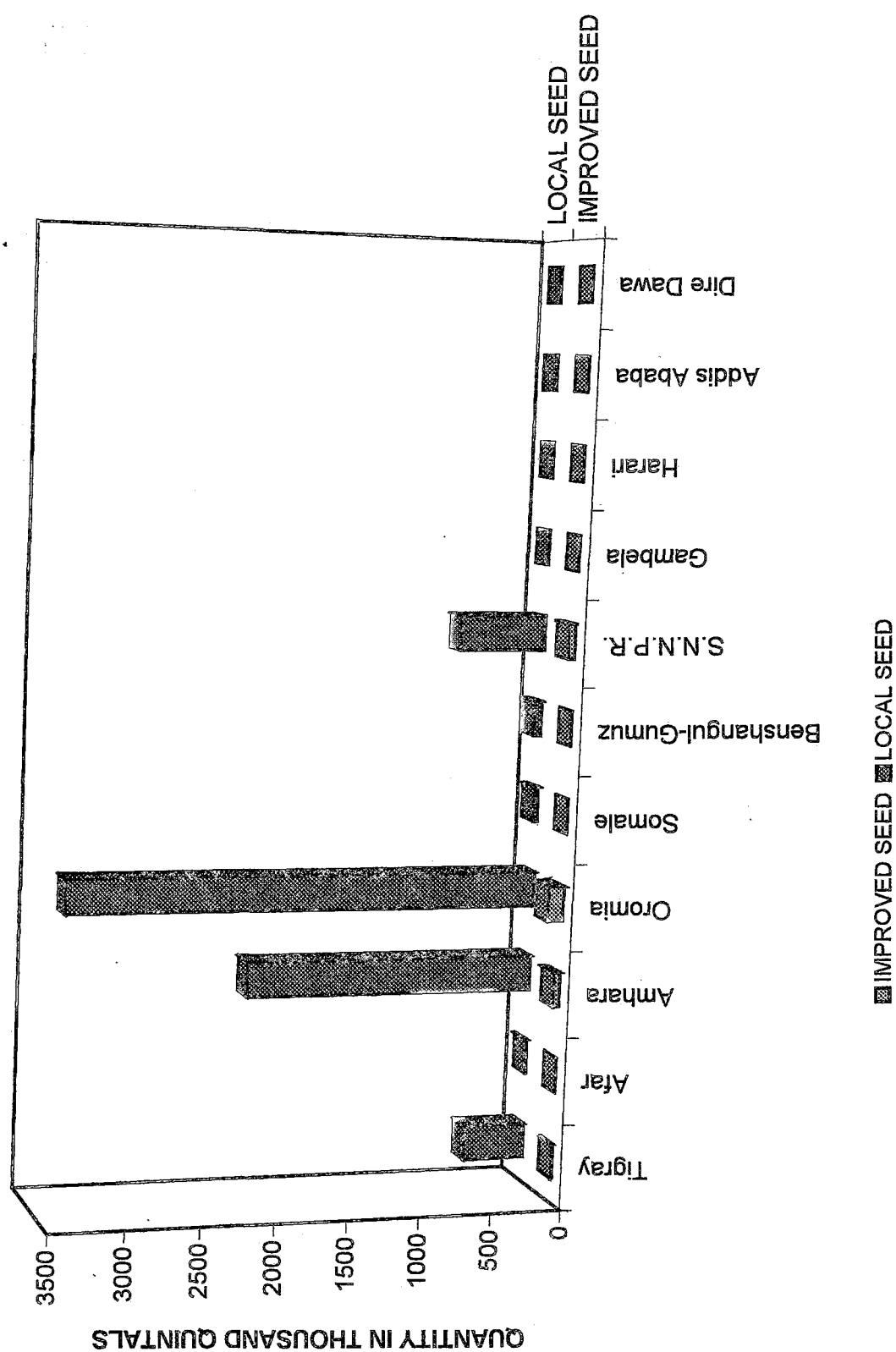


Table 4.3 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Tigray '(000 Quintal)

CROP TYPE	QUANTITY OF	
	IMPROVED SEED	LOCAL SEED
Cereals	9.90	354.96
Teff	2.43	66.34
Barley	-	100.47
Wheat	7.05	98.97
Maize	*	23.88
Sorghum	-	38.44
Millet	*	25.91
Oats	-	*
Pulses	-	65.32
Horse Beans	-	26.10
Field Peas	-	7.85
Haricot Beans	-	.81
Chick Peas	-	14.07
Lentils	-	5.52
Vetch	-	10.97
Others	-	10.33
Neug	-	2.73
Linseed	-	4.43
Rapeseed	-	*
Ground Nuts	-	-
Sunflower	-	*
Sesame	-	2.97
Fenugreek	-	*
All Crops	9.90	430.61

Table 4.3.1 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

West Tigray '(000 Quintal)

CROP TYPE	QUANTITY OF	
	IMPROVED SEED	LOCAL SEED
Cereals	*	67.83
Teff	*	19.19
Barley	-	*
Wheat	-	*
Maize	*	10.86
Sorghum	-	18.75
Millet	-	17.77
Oats	-	-
Pulses	-	5.10
Horse Beans	-	2.33
Field Peas	-	*
Haricot Beans	-	.04
Chick Peas	-	2.56
Lentils	-	*
Vetch	-	-
Others	-	5.65
Neug	-	1.93
Linseed	-	.76
Rapeseed	-	*
Ground Nuts	-	-
Sunflower	-	-
Sesame	-	2.95
Fenugreek	-	-
All Crops	*	78.57

Table 4.3.2 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Central Tigray		'(000 Quintal)
CROP TYPE	QUANTITY OF	
	IMPROVED SEED	LOCAL SEED
Cereals	*	93.46
Teff	*	24.48
Barley	-	19.18
Wheat	-	22.25
Maize	-	8.40
Sorghum	-	12.58
Millet	-	6.57
Oats	-	-
Pulses	-	14.37
Horse Beans	-	8.17
Field Peas	-	*
Haricot Beans	-	.39
Chick Peas	-	3.21
Lentils	-	.87
Vetch	-	1.32
Others	-	1.72
Neug	-	.75
Linseed	-	.94
Rapeseed	-	-
Ground Nuts	-	-
Sunflower	-	-
Sesame	-	*
Fenugreek	-	*
All Crops	*	109.55

Table 4.3.3 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

East Tigray		'(000 Quintal)
CROP TYPE	QUANTITY OF	
	IMPROVED SEED	LOCAL SEED
Cereals	1.26	90.09
Teff	-	6.69
Barley	-	43.06
Wheat	1.26	36.28
Maize	-	1.41
Sorghum	-	.51
Millet	-	1.23
Oats	-	*
Pulses	-	22.83
Horse Beans	-	6.47
Field Peas	-	2.36
Haricot Beans	-	*
Chick Peas	-	5.53
Lentils	-	1.26
Vetch	-	7.18
Others	-	1.91
Neug	-	*
Linseed	-	1.75
Rapeseed	-	-
Ground Nuts	-	-
Sunflower	-	-
Sesame	-	-
Fenugreek	-	*
All Crops	1.26	114.83

Table 4.3.4 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

South Tigray		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	6.20	103.58	
Teff	.25	15.98	
Barley	-	36.99	
Wheat	5.79	40.43	
Maize	*	3.21	
Sorghum	-	6.59	
Millet	*	*	
Oats	-	*	
Pulses	-	23.02	
Horse Beans	-	9.12	
Field Peas	-	4.93	
Haricot Beans	-	*	
Chick Peas	-	2.77	
Lentils	-	3.38	
Vetch	-	2.47	
Others	-	1.05	
Neug	-	*	
Linseed	-	.98	
Rapeseed	-	-	
Ground Nuts	-	-	
Sunflower	-	*	
Sesame	-	-	
Fenugreek	-	*	
All Crops	6.20	127.65	

Table 4.4 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Afar		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	*	6.23	
Teff	-	2.38	
Barley	-	*	
Wheat	-	*	
Maize	*	2.19	
Sorghum	-	.72	
Millet	-	*	
Oats	-	-	
Pulses	-	.79	
Horse Beans	-	-	
Field Peas	-	-	
Haricot Beans	-	.11	
Chick Peas	-	.65	
Lentils	-	*	
Vetch	-	-	
Others	-	.05	
Neug	-	-	
Linseed	-	-	
Rapeseed	-	-	
Ground Nuts	-	-	
Sunflower	-	.03	
Sesame	-	.01	
Fenugreek	-	-	
All Crops	*	7.06	

Table 4.4.1 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Zone 1		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	-	1.59	
Teff	-	*	
Barley	-	-	
Wheat	-	-	
Maize	-	1.47	
Sorghum	-	*	
Millet	-	*	
Oats	-	-	
Pulses	-	-	
Horse Beans	-	-	
Field Peas	-	-	
Haricot Beans	-	-	
Chick Peas	-	-	
Lentils	-	-	
Vetch	-	-	
Others	-	-	
Neug	-	-	
Linseed	-	-	
Rapeseed	-	-	
Ground Nuts	-	-	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	-	
All Crops	-	1.59	

Table 4.4.2 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Zone 3		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	*	4.64	
Teff	-	2.34	
Barley	-	*	
Wheat	-	*	
Maize	*	.72	
Sorghum	-	.65	
Millet	-	-	
Oats	-	-	
Pulses	-	.79	
Horse Beans	-	-	
Field Peas	-	-	
Haricot Beans	-	.11	
Chick Peas	-	.65	
Lentils	-	*	
Vetch	-	-	
Others	-	.05	
Neug	-	-	
Linseed	-	-	
Rapeseed	-	-	
Ground Nuts	-	-	
Sunflower	-	.03	
Sesame	-	.01	
Fenugreek	-	-	
All Crops	*	5.47	

Table 4.5 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Amhara		'(000 Quintal)	
	QUANTITY OF		
CROP TYPE	IMPROVED SEED	LOCAL SEED	
Cereals	42.77	1,407.07	
Teff	2.98	384.90	
Barley	.39	371.47	
Wheat	15.31	352.98	
Maize	22.92	109.07	
Sorghum	1.17	100.38	
Millet	-	75.55	
Oats	-	12.72	
Pulses	-	570.15	
Horse Beans	-	241.86	
Field Peas	-	93.36	
Haricot Beans	-	29.73	
Chick Peas	-	97.24	
Lentils	-	44.55	
Vetch	-	63.40	
Others	*	44.71	
Neug	-	27.93	
Linseed	-	8.90	
Rapeseed	-	.82	
Ground Nuts	-	*	
Sunflower	-	1.39	
Sesame	*	1.58	
Fenugreek	-	4.06	
All Crops	42.78	2,021.93	

Table 4.5.1 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

North Gonder		'(000 Quintal)	
	QUANTITY OF		
CROP TYPE	IMPROVED SEED	LOCAL SEED	
Cereals	2.97	176.61	
Teff	.71	42.54	
Barley	*	43.97	
Wheat	-	21.78	
Maize	1.14	14.32	
Sorghum	1.05	38.33	
Millet	-	14.47	
Oats	-	*	
Pulses	-	58.01	
Horse Beans	-	23.50	
Field Peas	-	12.26	
Haricot Beans	-	*	
Chick Peas	-	17.55	
Lentils	-	*	
Vetch	-	*	
Others	*	11.29	
Neug	-	7.86	
Linseed	-	1.60	
Rapeseed	-	.04	
Ground Nuts	-	-	
Sunflower	-	*	
Sesame	*	*	
Fenugreek	-	*	
All Crops	2.98	245.90	

Table 4.5.2 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

South Gonder		'(000 Quintal)
	QUANTITY OF	
CROP TYPE	IMPROVED SEED	LOCAL SEED
Cereals	*	234.63
Teff	.21	65.62
Barley	-	82.36
Wheat	-	45.20
Maize	*	15.85
Sorghum	-	7.03
Millet	-	18.47
Oats	-	*
Pulses	-	82.18
Horse Beans	-	33.85
Field Peas	-	13.50
Haricot Beans	-	*
Chick Peas	-	17.09
Lentils	-	4.30
Vetch	-	7.19
Others	-	8.81
Neug	-	5.84
Linseed	-	2.37
Rapeseed	-	.08
Ground Nuts	-	-
Sunflower	-	*
Sesame	-	-
Fenugreek	-	*
All Crops	*	325.62

Table 4.5.3 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

North Wolo		'(000 Quintal)
	QUANTITY OF	
CROP TYPE	IMPROVED SEED	LOCAL SEED
Cereals	*	103.22
Teff	*	20.28
Barley	-	34.27
Wheat	*	34.13
Maize	-	3.88
Sorghum	-	8.40
Millet	-	.20
Oats	-	2.06
Pulses	-	56.75
Horse Beans	-	20.84
Field Peas	-	12.02
Haricot Beans	-	.07
Chick Peas	-	6.98
Lentils	-	12.14
Vetch	-	4.71
Others	-	1.79
Neug	-	.07
Linseed	-	.62
Rapeseed	-	*
Ground Nuts	-	-
Sunflower	-	.12
Sesame	-	*
Fenugreek	-	.91
All Crops	*	161.76

Table 4.5.4 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

South Wolo		'(000 Quintal)
CROP TYPE	QUANTITY OF	
	IMPROVED SEED	LOCAL SEED
Cereals	4.42	126.82
Teff	.31	21.12
Barley	-	30.16
Wheat	4.11	44.55
Maize	-	8.56
Sorghum	-	13.16
Millet	-	*
Oats	-	8.20
Pulses	-	109.01
Horse Beans	-	51.96
Field Peas	-	18.18
Haricot Beans	-	3.90
Chick Peas	-	10.59
Lentils	-	9.40
Vetch	-	14.98
Others	-	2.34
Neug	-	.35
Linseed	-	.33
Rapeseed	-	*
Ground Nuts	-	-
Sunflower	-	*
Sesame	-	*
Fenugreek	-	*
All Crops	4.42	238.16

Table 4.5.5 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

North Shewa		'(000 Quintal)
CROP TYPE	QUANTITY OF	
	IMPROVED SEED	LOCAL SEED
Cereals	2.55	188.76
Teff	.53	38.17
Barley	-	43.06
Wheat	1.93	93.84
Maize	-	3.40
Sorghum	*	10.11
Millet	-	-
Oats	-	*
Pulses	-	100.62
Horse Beans	-	45.57
Field Peas	-	8.99
Haricot Beans	-	1.84
Chick Peas	-	20.42
Lentils	-	13.08
Vetch	-	*
Others	-	1.93
Neug	-	*
Linseed	-	*
Rapeseed	-	.02
Ground Nuts	-	-
Sunflower	-	.21
Sesame	-	.16
Fenugreek	-	.44
All Crops	2.55	291.30

Table 4.5.6 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

East Gojam		'(000 Quintal)	
	QUANTITY OF		
CROP TYPE	IMPROVED SEED	LOCAL SEED	
Cereals	13.25	273.22	
Teff	.64	93.92	
Barley	-	64.39	
Wheat	8.30	88.14	
Maize	4.31	21.12	
Sorghum	-	5.53	
Millet	-	*	
Oats	-	-	
Pulses	-	101.09	
Horse Beans	-	37.73	
Field Peas	-	12.12	
Haricot Beans	-	*	
Chick Peas	-	19.17	
Lentils	-	*	
Vetch	-	22.18	
Others	-	3.11	
Neug	-	1.71	
Linseed	-	.99	
Rapeseed	-	.23	
Ground Nuts	-	-	
Sunflower	-	*	
Sesame	-	-	
Fenugreek	-	*	
All Crops	13.25	377.42	

Table 4.5.7 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

West Gojam		'(000 Quintal)	
	QUANTITY OF		
CROP TYPE	IMPROVED SEED	LOCAL SEED	
Cereals	14.41	160.40	
Teff	*	64.98	
Barley	*	30.15	
Wheat	*	12.49	
Maize	13.41	26.37	
Sorghum	-	*	
Millet	-	22.77	
Oats	-	*	
Pulses	-	37.31	
Horse Beans	-	15.35	
Field Peas	-	10.39	
Haricot Beans	-	*	
Chick Peas	-	4.22	
Lentils	-	*	
Vetch	-	1.60	
Others	-	7.56	
Neug	-	6.09	
Linseed	-	1.01	
Rapeseed	-	.23	
Ground Nuts	-	-	
Sunflower	-	*	
Sesame	-	*	
Fenugreek	-	*	
All Crops	14.41	205.27	

Table 4.5.8 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Waghamera		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	*	39.88	
Teff	-	7.41	
Barley	*	17.32	
Wheat	*	8.60	
Maize	-	.80	
Sorghum	-	5.68	
Millet	-	*	
Oats	-	-	
Pulses	-	18.61	
Horse Beans	-	10.62	
Field Peas	-	3.29	
Haricot Beans	-	1.57	
Chick Peas	-	.45	
Lentils	-	2.63	
Vetch	-	*	
Others	-	1.15	
Neug	-	.11	
Linseed	-	*	
Rapeseed	-	-	
Ground Nuts	-	-	
Sunflower	-	.18	
Sesame	-	*	
Fenugreek	-	.01	
All Crops	*	59.64	

Table 4.5.9 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Agewawia		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	2.81	87.97	
Teff	-	28.09	
Barley	-	25.23	
Wheat	-	3.80	
Maize	2.81	8.71	
Sorghum	-	*	
Millet	-	18.28	
Oats	-	*	
Pulses	-	5.11	
Horse Beans	-	1.81	
Field Peas	-	2.38	
Haricot Beans	-	-	
Chick Peas	-	*	
Lentils	-	*	
Vetch	-	*	
Others	-	6.58	
Neug	-	5.73	
Linseed	-	.31	
Rapeseed	-	.12	
Ground Nuts	-	*	
Sunflower	-	-	
Sesame	-	*	
Fenugreek	-	*	
All Crops	2.81	99.65	

Table 4.5.10 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Oromia		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	.08	15.57	
Teff	-	2.77	
Barley	-	.57	
Wheat	-	*	
Maize	*	6.07	
Sorghum	*	5.39	
Millet	-	.09	
Oats	-	.23	
Pulses	-	1.47	
Horse Beans	-	*	
Field Peas	-	*	
Haricot Beans	-	.19	
Chick Peas	-	*	
Lentils	-	.18	
Vetch	-	-	
Others	-	.16	
Neug	-	.01	
Linseed	-	.03	
Rapeseed	-	-	
Ground Nuts	-	-	
Sunflower	-	*	
Sesame	-	.09	
Fenugreek	-	*	
All Crops	.08	17.20	

Table 4.6 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Oromia		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	102.80	2,696.45	
Teff	3.65	482.68	
Barley	*	658.30	
Wheat	53.86	1,044.95	
Maize	44.26	344.39	
Sorghum	.30	105.59	
Millet	*	20.30	
Oats	-	40.24	
Pulses	4.25	494.47	
Horse Beans	1.10	239.79	
Field Peas	1.63	75.45	
Haricot Beans	.38	63.49	
Chick Peas	*	63.68	
Lentils	-	17.43	
Vetch	*	34.63	
Others	.04	85.59	
Neug	.04	17.65	
Linseed	-	51.42	
Rapeseed	-	6.05	
Ground Nuts	-	*	
Sunflower	-	.06	
Sesame	-	.49	
Fenugreek	-	3.23	
All Crops	107.09	3,276.51	

Table 4.6.1 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

West Welega		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	7.28	86.83	
Teff	-	19.68	
Barley	-	5.63	
Wheat	*	11.76	
Maize	6.73	24.62	
Sorghum	-	14.38	
Millet	*	10.72	
Oats	-	*	
Pulses	-	20.21	
Horse Beans	-	8.83	
Field Peas	-	1.62	
Haricot Beans	-	8.13	
Chick Peas	-	*	
Lentils	-	-	
Vetch	-	*	
Others	-	2.31	
Neug	-	2.02	
Linseed	-	*	
Rapeseed	-	.12	
Ground Nuts	-	-	
Sunflower	-	-	
Sesame	-	*	
Fenugreek	-	*	
All Crops	7.28	109.35	

Table 4.6.2 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

East Welega		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	19.25	172.54	
Teff	-	70.70	
Barley	-	32.68	
Wheat	*	33.58	
Maize	12.64	23.60	
Sorghum	*	5.32	
Millet	-	6.30	
Oats	-	*	
Pulses	.54	22.77	
Horse Beans	.54	15.64	
Field Peas	-	5.86	
Haricot Beans	-	.21	
Chick Peas	-	*	
Lentils	-	*	
Vetch	-	-	
Others	.04	10.81	
Neug	.04	8.92	
Linseed	-	*	
Rapeseed	-	*	
Ground Nuts	-	-	
Sunflower	-	-	
Sesame	-	.16	
Fenugreek	-	.19	
All Crops	19.83	206.12	

Table 4.6.3 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Illibabor		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	3.91	52.71	
Teff	-	21.53	
Barley	-	2.22	
Wheat	-	1.47	
Maize	3.91	21.13	
Sorghum	-	5.18	
Millet	-	1.14	
Oats	-	*	
Pulses	-	7.90	
Horse Beans	-	3.02	
Field Peas	-	2.45	
Haricot Beans	-	2.40	
Chick Peas	-	*	
Lentils	-	-	
Vetch	-	*	
Others	-	.53	
Neug	-	.39	
Linseed	-	*	
Rapeseed	-	*	
Ground Nuts	-	-	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	*	
All Crops	3.91	61.14	

Table 4.6.4 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Jimma		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	8.94	154.97	
Teff	-	52.34	
Barley	-	26.62	
Wheat	*	28.66	
Maize	8.45	35.25	
Sorghum	-	8.56	
Millet	-	*	
Oats	-	2.49	
Pulses	.10	20.40	
Horse Beans	-	13.96	
Field Peas	-	4.53	
Haricot Beans	.10	1.03	
Chick Peas	-	*	
Lentils	-	*	
Vetch	-	-	
Others	-	1.73	
Neug	-	1.21	
Linseed	-	.49	
Rapeseed	-	*	
Ground Nuts	-	-	
Sunflower	-	-	
Sesame	-	*	
Fenugreek	-	-	
All Crops	9.05	177.09	

Table 4.6.5 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

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West Shewa		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	12.75	444.51	
Teff	2.23	137.30	
Barley	-	117.77	
Wheat	4.86	162.46	
Maize	5.66	19.87	
Sorghum	-	5.82	
Millet	-	-	
Oats	-	*	
Pulses	*	97.62	
Horse Beans	*	38.49	
Field Peas	-	*	
Haricot Beans	-	.40	
Chick Peas	*	30.24	
Lentils	-	3.12	
Vetch	-	17.46	
Others	-	10.90	
Neug	-	2.73	
Linseed	-	5.39	
Rapeseed	-	*	
Ground Nuts	-	*	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	.28	
All Crops	13.73	553.03	

Table 4.6.6 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

North Shewa		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	4.66	222.67	
Teff	*	40.91	
Barley	*	83.12	
Wheat	3.96	89.70	
Maize	-	2.05	
Sorghum	-	5.18	
Millet	-	*	
Oats	-	1.37	
Pulses	*	91.57	
Horse Beans	-	52.97	
Field Peas	-	13.05	
Haricot Beans	-	*	
Chick Peas	-	*	
Lentils	-	7.90	
Vetch	*	7.27	
Others	-	4.44	
Neug	-	1.15	
Linseed	-	2.52	
Rapeseed	-	*	
Ground Nuts	-	-	
Sunflower	-	*	
Sesame	-	-	
Fenugreek	-	*	
All Crops	4.78	318.69	

Table 4.6.7 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

East Shewa		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	19.10	259.68	
Teff	1.03	64.52	
Barley	-	21.14	
Wheat	15.12	102.05	
Maize	2.94	69.40	
Sorghum	-	2.08	
Millet	*	*	
Oats	-	*	
Pulses	.73	76.82	
Horse Beans	-	10.64	
Field Peas	*	10.61	
Haricot Beans	.02	27.95	
Chick Peas	*	*	
Lentils	-	4.26	
Vetch	-	4.82	
Others	-	1.10	
Neug	-	-	
Linseed	-	*	
Rapeseed	-	.12	
Ground Nuts	-	-	
Sunflower	-	*	
Sesame	-	.21	
Fenugreek	-	*	
All Crops	19.82	337.60	

Table 4.6.8 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Arsi		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	12.79	718.80	
Teff	-	52.06	
Barley	-	225.13	
Wheat	12.13	377.47	
Maize	.66	50.09	
Sorghum	-	5.50	
Millet	-	-	
Oats	-	*	
Pulses	1.46	92.86	
Horse Beans	-	68.95	
Field Peas	1.46	15.98	
Haricot Beans	-	*	
Chick Peas	-	*	
Lentils	-	*	
Vetch	-	*	
Others	-	35.22	
Neug	-	*	
Linseed	-	31.43	
Rapeseed	-	*	
Ground Nuts	-	-	
Sunflower	-	*	
Sesame	-	*	
Fenugreek	-	*	
All Crops	14.25	846.88	

Table 4.6.9 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

West Harerge		'(000 Quintal)
	QUANTITY OF	
CROP TYPE	IMPROVED SEED	LOCAL SEED
Cereals	*	77.75
Teff	*	3.05
Barley	-	9.12
Wheat	*	2.67
Maize	*	37.95
Sorghum	*	23.23
Millet	-	.51
Oats	-	1.22
Pulses	.25	18.11
Horse Beans	-	6.63
Field Peas	-	1.22
Haricot Beans	.17	9.06
Chick Peas	*	.61
Lentils	-	.40
Vetch	-	*
Others	-	.67
Neug	-	-
Linseed	-	.10
Rapeseed	-	-
Ground Nuts	-	*
Sunflower	-	-
Sesame	-	*
Fenugreek	-	*
All Crops	2.53	96.53

Table 4.6.10 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

East Harerge		'(000 Quintal)
	QUANTITY OF	
CROP TYPE	IMPROVED SEED	LOCAL SEED
Cereals	4.76	92.56
Teff	*	1.34
Barley	-	7.06
Wheat	2.93	19.60
Maize	1.62	34.38
Sorghum	*	28.96
Millet	-	-
Oats	-	*
Pulses	*	15.88
Horse Beans	-	9.38
Field Peas	-	1.65
Haricot Beans	*	4.61
Chick Peas	-	*
Lentils	-	*
Vetch	-	-
Others	-	*
Neug	-	-
Linseed	-	.10
Rapeseed	-	-
Ground Nuts	-	*
Sunflower	-	-
Sesame	-	*
Fenugreek	-	.11
All Crops	4.84	115.19

Table 4.6.11 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Bale	'(000 Quintal)	
	QUANTITY OF	
CROP TYPE	IMPROVED SEED	LOCAL SEED
Cereals	5.37	365.18
Teff	-	16.24
Barley	-	108.63
Wheat	5.37	206.20
Maize	-	9.47
Sorghum	-	1.23
Millet	-	-
Oats	-	23.42
Pulses	-	23.21
Horse Beans	-	9.09
Field Peas	-	8.21
Haricot Beans	-	.42
Chick Peas	-	*
Lentils	-	.67
Vetch	-	*
Others	-	11.12
Neug	-	*
Linseed	-	9.97
Rapeseed	-	*
Ground Nuts	-	-
Sunflower	-	-
Sesame	-	-
Fenugreek	-	*
All Crops	5.37	399.51

Table 4.6.12 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Borena	'(000 Quintal)	
	QUANTITY OF	
CROP TYPE	IMPROVED SEED	LOCAL SEED
Cereals	1.70	48.26
Teff	*	3.01
Barley	-	19.18
Wheat	*	*
Maize	1.11	16.58
Sorghum	-	*
Millet	-	-
Oats	-	-
Pulses	-	7.13
Horse Beans	-	2.18
Field Peas	-	*
Haricot Beans	-	2.33
Chick Peas	-	*
Lentils	-	-
Vetch	-	-
Others	-	*
Neug	-	-
Linseed	-	*
Rapeseed	-	-
Ground Nuts	-	-
Sunflower	-	-
Sesame	-	-
Fenugreek	-	-
All Crops	1.70	55.39

Table 4.7 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Somale		'(000 Quintal)	
	QUANTITY OF		
CROP TYPE	IMPROVED SEED	LOCAL SEED	
Cereals	.40	25.79	
Teff	-	*	
Barley	*	3.36	
Wheat	*	3.53	
Maize	.22	10.90	
Sorghum	*	7.80	
Millet	-	-	
Oats	-	.17	
Pulses	-	.29	
Horse Beans	-	-	
Field Peas	-	*	
Haricot Beans	-	.20	
Chick Peas	-	.05	
Lentils	-	*	
Vetch	-	-	
Others	-	*	
Neug	-	-	
Linseed	-	.01	
Rapeseed	-	-	
Ground Nuts	-	*	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	.03	
All Crops	.40	26.38	

Table 4.7.1 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Shinele		'(000 Quintal)	
	QUANTITY OF		
CROP TYPE	IMPROVED SEED	LOCAL SEED	
Cereals	*	.19	
Teff	-	-	
Barley	-	-	
Wheat	-	-	
Maize	-	.03	
Sorghum	*	.17	
Millet	-	-	
Oats	-	-	
Pulses	-	-	
Horse Beans	-	-	
Field Peas	-	-	
Haricot Beans	-	-	
Chick Peas	-	-	
Lentils	-	-	
Vetch	-	-	
Others	-	-	
Neug	-	-	
Linseed	-	-	
Rapeseed	-	-	
Ground Nuts	-	-	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	-	
All Crops	*	.19	

Table 4.7.2 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Jijiga		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	*	24.54	
Teff	-	*	
Barley	*	3.36	
Wheat	*	3.29	
Maize	*	10.11	
Sorghum	-	7.59	
Millet	-	-	
Oats	-	.17	
Pulses	-	.24	
Horse Beans	-	-	
Field Peas	-	*	
Haricot Beans	-	.15	
Chick Peas	-	.05	
Lentils	-	*	
Vetch	-	-	
Others	-	*	
Neug	-	-	
Linseed	-	.01	
Rapeseed	-	-	
Ground Nuts	-	*	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	.03	
All Crops	*	25.07	

Table 4.7.3 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Moyale		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	*	1.05	
Teff	-	*	
Barley	-	-	
Wheat	-	*	
Maize	*	.76	
Sorghum	*	.04	
Millet	-	-	
Oats	-	-	
Pulses	-	.05	
Horse Beans	-	-	
Field Peas	-	-	
Haricot Beans	-	.05	
Chick Peas	-	-	
Lentils	-	-	
Vetch	-	-	
Others	-	-	
Neug	-	-	
Linseed	-	-	
Rapeseed	-	-	
Ground Nuts	-	-	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	-	
All Crops	*	1.11	

Table 4.8 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Benshangul-Gumuz		'(000 Quintal)	
	QUANTITY OF		
CROP TYPE	IMPROVED SEED	LOCAL SEED	
Cereals	.97	37.77	
Teff	*	8.07	
Barley	-	*	
Wheat	-	*	
Maize	.91	6.83	
Sorghum	-	10.95	
Millet	-	7.07	
Oats	-	*	
Pulses	-	3.43	
Horse Beans	-	.95	
Field Peas	-	.38	
Haricot Beans	-	1.90	
Chick Peas	-	.13	
Lentils	-	*	
Vetch	-	-	
Others	-	5.03	
Neug	-	2.62	
Linseed	-	.09	
Rapeseed	-	*	
Ground Nuts	-	1.57	
Sunflower	-	*	
Sesame	-	.72	
Fenugreek	-	.01	
All Crops	.97	46.22	

Table 4.8.1 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Metekel		'(000 Quintal)	
	QUANTITY OF		
CROP TYPE	IMPROVED SEED	LOCAL SEED	
Cereals	.75	27.87	
Teff	*	6.67	
Barley	-	*	
Wheat	-	*	
Maize	.69	3.55	
Sorghum	-	6.33	
Millet	-	6.72	
Oats	-	*	
Pulses	-	3.03	
Horse Beans	-	.84	
Field Peas	-	*	
Haricot Beans	-	*	
Chick Peas	-	*	
Lentils	-	*	
Vetch	-	-	
Others	-	3.23	
Neug	-	1.45	
Linseed	-	*	
Rapeseed	-	*	
Ground Nuts	-	*	
Sunflower	-	-	
Sesame	-	.52	
Fenugreek	-	-	
All Crops	.75	34.13	

Table 4.8.2 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Asosa		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	.11	7.77	
Teff	-	1.29	
Barley	-	*	
Wheat	-	*	
Maize	.11	2.53	
Sorghum	-	3.44	
Millet	-	.26	
Oats	-	-	
Pulses	-	.30	
Horse Beans	-	*	
Field Peas	-	*	
Haricot Beans	-	.10	
Chick Peas	-	*	
Lentils	-	-	
Vetch	-	-	
Others	-	1.64	
Neug	-	1.12	
Linseed	-	*	
Rapeseed	-	-	
Ground Nuts	-	.36	
Sunflower	-	-	
Sesame	-	.11	
Fenugreek	-	-	
All Crops	.11	9.71	

Table 4.8.3 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Kemeshi		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	.11	2.12	
Teff	-	*	
Barley	-	-	
Wheat	-	-	
Maize	.11	.75	
Sorghum	-	1.17	
Millet	-	.08	
Oats	-	-	
Pulses	-	.10	
Horse Beans	-	*	
Field Peas	-	-	
Haricot Beans	-	.08	
Chick Peas	-	-	
Lentils	-	-	
Vetch	-	-	
Others	-	.16	
Neug	-	.05	
Linseed	-	-	
Rapeseed	-	-	
Ground Nuts	-	.01	
Sunflower	-	-	
Sesame	-	.09	
Fenugreek	-	.01	
All Crops	.11	2.38	

Table 4.9 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

(S.N.N.P.R)		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	42.88	470.37	
Teff	2.20	79.12	
Barley	.11	95.54	
Wheat	14.13	141.85	
Maize	26.40	125.87	
Sorghum	.03	26.52	
Millet	-	1.35	
Oats	-	.11	
Pulses	1.51	124.17	
Horse Beans	*	55.37	
Field Peas	-	32.29	
Haricot Beans	.03	31.12	
Chick Peas	*	*	
Lentils	-	.40	
Vetch	-	*	
Others	*	1.35	
Neug	-	*	
Linseed	-	.68	
Rapeseed	-	.25	
Ground Nuts	-	.02	
Sunflower	*	.05	
Sesame	-	*	
Fenugreek	-	*	
All Crops	44.41	595.88	

Table 4.9.1 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Gurage		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	12.53	99.72	
Teff	.40	17.05	
Barley	-	38.33	
Wheat	7.88	22.72	
Maize	4.26	18.28	
Sorghum	-	3.31	
Millet	-	-	
Oats	-	*	
Pulses	-	34.17	
Horse Beans	-	14.08	
Field Peas	-	*	
Haricot Beans	-	*	
Chick Peas	-	*	
Lentils	-	*	
Vetch	-	*	
Others	-	.57	
Neug	-	*	
Linseed	-	*	
Rapeseed	-	.05	
Ground Nuts	-	-	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	*	
All Crops	12.53	134.46	

Table 4.9.2 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Hadiya		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	6.11	104.09	
Teff	.95	10.47	
Barley	-	7.12	
Wheat	3.70	69.64	
Maize	1.46	13.90	
Sorghum	-	2.78	
Millet	-	*	
Oats	-	-	
Pulses	*	11.12	
Horse Beans	*	7.91	
Field Peas	-	2.48	
Haricot Beans	-	.62	
Chick Peas	-	*	
Lentils	-	*	
Vetch	-	-	
Others	-	.13	
Neug	-	-	
Linseed	-	.10	
Rapeseed	-	*	
Ground Nuts	-	-	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	-	
All Crops	7.49	115.33	

Table 4.9.3 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Kembata Alaba Tembaro		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	2.80	52.56	
Teff	.23	4.33	
Barley	-	2.19	
Wheat	.52	27.47	
Maize	2.05	16.38	
Sorghum	-	1.35	
Millet	-	.82	
Oats	-	*	
Pulses	-	4.21	
Horse Beans	-	*	
Field Peas	-	.26	
Haricot Beans	-	.94	
Chick Peas	-	.04	
Lentils	-	*	
Vetch	-	-	
Others	-	.12	
Neug	-	-	
Linseed	-	.03	
Rapeseed	-	.03	
Ground Nuts	-	-	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	*	
All Crops	2.80	56.89	

Table 4.9.4 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Sidama		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	6.82	39.05	
Teff	*	1.78	
Barley	*	13.39	
Wheat	-	*	
Maize	6.54	20.40	
Sorghum	-	.25	
Millet	-	-	
Oats	-	-	
Pulses	-	14.99	
Horse Beans	-	2.76	
Field Peas	-	*	
Haricot Beans	-	11.00	
Chick Peas	-	*	
Lentils	-	-	
Vetch	-	-	
Others	-	.14	
Neug	-	-	
Linseed	-	-	
Rapeseed	-	*	
Ground Nuts	-	-	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	*	
All Crops	6.82	54.17	

Table 4.9.5 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Gedio		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	.63	8.50	
Teff	-	*	
Barley	-	3.45	
Wheat	-	*	
Maize	.63	3.59	
Sorghum	-	*	
Millet	-	-	
Oats	-	-	
Pulses	-	3.01	
Horse Beans	-	2.09	
Field Peas	-	.74	
Haricot Beans	-	.17	
Chick Peas	-	-	
Lentils	-	-	
Vetch	-	-	
Others	-	.01	
Neug	-	-	
Linseed	-	-	
Rapeseed	-	*	
Ground Nuts	-	-	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	-	
All Crops	.63	11.52	

Table 4.9.6 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

North Omo		'(000 Quintal)
CROP TYPE	QUANTITY OF	
	IMPROVED SEED	LOCAL SEED
Cereals	11.01	80.88
Teff	.37	22.97
Barley	*	15.47
Wheat	*	6.33
Maize	10.07	29.43
Sorghum	-	6.49
Millet	-	*
Oats	-	*
Pulses	*	27.97
Horse Beans	-	10.49
Field Peas	-	6.68
Haricot Beans	-	10.25
Chick Peas	*	*
Lentils	-	*
Vetch	-	-
Others	-	*
Neug	-	-
Linseed	-	*
Rapeseed	-	-
Ground Nuts	-	*
Sunflower	-	-
Sesame	-	-
Fenugreek	-	*
All Crops	11.08	109.08

Table 4.9.7 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

South Omo		'(000 Quintal)
CROP TYPE	QUANTITY OF	
	IMPROVED SEED	LOCAL SEED
Cereals	1.08	12.01
Teff	-	1.61
Barley	-	2.38
Wheat	*	.72
Maize	.63	3.39
Sorghum	.01	3.79
Millet	-	.11
Oats	-	-
Pulses	-	2.33
Horse Beans	-	.83
Field Peas	-	*
Haricot Beans	-	.88
Chick Peas	-	-
Lentils	-	-
Vetch	-	-
Others	*	.06
Neug	-	-
Linseed	-	-
Rapeseed	-	-
Ground Nuts	-	-
Sunflower	*	.04
Sesame	-	*
Fenugreek	-	-
All Crops	1.10	14.40

Table 4.9.8 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Keficho-Shekicho		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	.82	46.67	
Teff	-	14.46	
Barley	-	8.32	
Wheat	.69	*	
Maize	*	13.34	
Sorghum	-	4.20	
Millet	-	*	
Oats	-	*	
Pulses	-	16.53	
Horse Beans	-	9.88	
Field Peas	-	5.08	
Haricot Beans	-	1.56	
Chick Peas	-	-	
Lentils	-	*	
Vetch	-	-	
Others	-	.03	
Neug	-	-	
Linseed	-	*	
Rapeseed	-	*	
Ground Nuts	-	-	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	-	
All Crops	.82	63.24	

Table 4.9.9 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Bench-Maji		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	.41	8.99	
Teff	-	1.98	
Barley	-	1.10	
Wheat	*	*	
Maize	.26	4.41	
Sorghum	-	1.28	
Millet	-	-	
Oats	-	-	
Pulses	-	3.15	
Horse Beans	-	2.26	
Field Peas	-	.39	
Haricot Beans	-	.49	
Chick Peas	-	-	
Lentils	-	-	
Vetch	-	-	
Others	-	-	
Neug	-	-	
Linseed	-	-	
Rapeseed	-	-	
Ground Nuts	-	-	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	-	
All Crops	.41	12.14	

Table 4.9.10 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Yem Special Wereda		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	.52	7.78	
Teff	.01	1.98	
Barley	.04	1.83	
Wheat	.22	3.27	
Maize	.24	.54	
Sorghum	-	.14	
Millet	-	-	
Oats	-	.02	
Pulses	.02	2.67	
Horse Beans	.02	1.87	
Field Peas	-	.72	
Haricot Beans	-	*	
Chick Peas	-	-	
Lentils	-	.08	
Vetch	-	-	
Others	-	*	
Neug	-	-	
Linseed	-	*	
Rapeseed	-	-	
Ground Nuts	-	-	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	-	
All Crops	.54	10.49	

Table 4.9.11 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Amaro Special Wereda		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	*	2.43	
Teff	-	.72	
Barley	-	1.15	
Wheat	-	.27	
Maize	*	.24	
Sorghum	-	*	
Millet	-	-	
Oats	-	-	
Pulses	-	.90	
Horse Beans	-	.21	
Field Peas	-	.46	
Haricot Beans	-	.13	
Chick Peas	-	*	
Lentils	-	.02	
Vetch	-	-	
Others	-	-	
Neug	-	-	
Linseed	-	-	
Rapeseed	-	-	
Ground Nuts	-	-	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	-	
All Crops	*	3.33	

Table 4.9.12 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Burji Special Wereda '(000 Quintal)

CROP TYPE	QUANTITY OF	
	IMPROVED SEED	LOCAL SEED
Cereals	.03	1.06
Teff	-	.28
Barley	-	.24
Wheat	.01	.38
Maize	.02	.09
Sorghum	-	.08
Millet	-	-
Oats	-	-
Pulses	-	.78
Horse Beans	-	*
Field Peas	-	*
Haricot Beans	-	.66
Chick Peas	-	.07
Lentils	-	.01
Vetch	-	-
Others	-	-
Neug	-	-
Linseed	-	-
Rapeseed	-	-
Ground Nuts	-	-
Sunflower	-	-
Sesame	-	-
Fenugreek	-	-
All Crops	.03	1.84

Table 4.9.13 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Konso Special Wereda '(000 Quintal)

CROP TYPE	QUANTITY OF	
	IMPROVED SEED	LOCAL SEED
Cereals	.04	4.13
Teff	-	.81
Barley	-	.10
Wheat	-	*
Maize	.03	1.24
Sorghum	.01	1.92
Millet	-	.01
Oats	-	-
Pulses	.02	1.61
Horse Beans	-	-
Field Peas	-	.03
Haricot Beans	.02	1.46
Chick Peas	-	*
Lentils	-	.01
Vetch	-	-
Others	-	-
Neug	-	-
Linseed	-	-
Rapeseed	-	-
Ground Nuts	-	-
Sunflower	-	-
Sesame	-	-
Fenugreek	-	-
All Crops	.07	5.75

Table 4.9.14 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Derashe Special Wereda		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	.03	2.49	
Teff	-	.34	
Barley	-	.46	
Wheat	-	.20	
Maize	.03	.63	
Sorghum	-	.87	
Millet	-	-	
Oats	-	-	
Pulses	-	.73	
Horse Beans	-	*	
Field Peas	-	*	
Haricot Beans	-	.46	
Chick Peas	-	.13	
Lentils	-	*	
Vetch	-	-	
Others	-	-	
Neug	-	-	
Linseed	-	-	
Rapeseed	-	-	
Ground Nuts	-	-	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	-	
All Crops	.03	3.22	

Table 4.10 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Gambela		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	.14	4.81	
Teff	-	-	
Barley	-	*	
Wheat	-	-	
Maize	.13	3.57	
Sorghum	*	1.22	
Millet	-	*	
Oats	-	-	
Pulses	-	.02	
Horse Beans	-	-	
Field Peas	-	-	
Haricot Beans	-	.02	
Chick Peas	-	-	
Lentils	-	-	
Vetch	-	-	
Others	*	*	
Neug	-	-	
Linseed	-	-	
Rapeseed	-	-	
Ground Nuts	*	.01	
Sunflower	-	-	
Sesame	-	*	
Fenugreek	-	-	
All Crops	.15	4.92	

Table 4.11 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

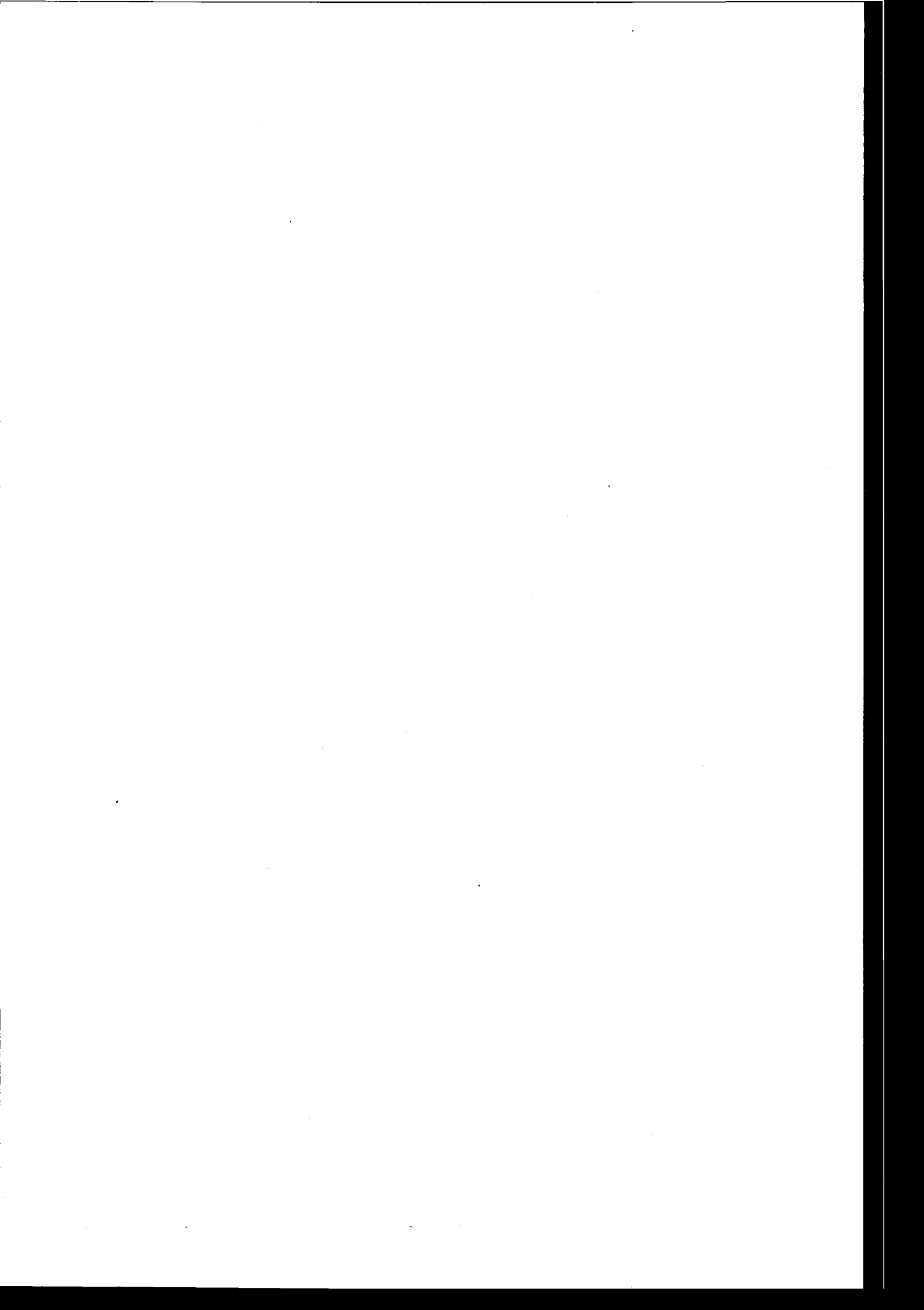
Harari		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	.27	3.82	
Teff	-	-	
Barley	-	.06	
Wheat	.20	.35	
Maize	.07	1.10	
Sorghum	-	2.31	
Millet	-	-	
Oats	-	*	
Pulses	.01	.06	
Horse Beans	-	-	
Field Peas	-	-	
Haricot Beans	-	.04	
Chick Peas	-	.02	
Lentils	-	-	
Vetch	-	-	
Others	-	1.01	
Neug	-	-	
Linseed	-	-	
Rapeseed	-	-	
Ground Nuts	-	1.01	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	-	
All Crops	.28	4.89	

Table 4.12 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Addis Ababa		'(000 Quintal)	
CROP TYPE	QUANTITY OF		
	IMPROVED SEED	LOCAL SEED	
Cereals	.55	9.89	
Teff	.08	4.09	
Barley	-	*	
Wheat	.47	5.53	
Maize	-	.04	
Sorghum	-	.01	
Millet	-	-	
Oats	-	*	
Pulses	*	2.68	
Horse Beans	-	.21	
Field Peas	-	.03	
Haricot Beans	-	-	
Chick Peas	*	1.26	
Lentils	-	.19	
Vetch	*	1.00	
Others	-	.08	
Neug	-	-	
Linseed	-	*	
Rapeseed	-	-	
Ground Nuts	-	-	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	.07	
All Crops	.59	12.65	

Table 4.13 Estimates of Quantity of seed and Local Seed
by type of Crops for Private Peasant Holdings
2000/2001 (1993 E.C.)

Dire Dawa		'(000 Quintal)	
	QUANTITY OF		
CROP TYPE	IMPROVED SEED	LOCAL SEED	
Cereals	.01	2.12	
Teff	-	-	
Barley	-	*	
Wheat	-	*	
Maize	-	.14	
Sorghum	.01	1.96	
Millet	-	-	
Oats	-	-	
Pulses	-	.08	
Horse Beans	-	-	
Field Peas	-	-	
Haricot Beans	-	.08	
Chick Peas	-	-	
Lentils	-	-	
Vetch	-	-	
Others	-	.01	
Neug	-	-	
Linseed	-	-	
Rapeseed	-	-	
Ground Nuts	-	*	
Sunflower	-	-	
Sesame	-	-	
Fenugreek	-	-	
All Crops	.01	2.21	



5. NUMBER OF HOLDERS APPLYING AGRICULTURAL INPUTS

BY THEIR EDUCATIONAL ATTAINMENT

The survey indicates that there were about 10.23 million holders at national level. Most of these holders (72.39%) were illiterate while 0.16% had attended higher education.

Of all holders 1.52%, 0.63%, 3.09%, and 20.63% applied improved seeds, used irrigation, applied pesticides and fertilizer during the 2000/2001 agricultural activities, respectively. Out of all holders who applied improved seeds, used irrigation, applied pesticides and fertilizers 66.84%, 76.73%, 62.30%, and 70.57% of them were illiterate in that order. For details, refer to Table 5.1

Summary Table E. Number of Holders Applying Agricultural Inputs

Type of inputs	Number of holders applying ('000)
Improved seeds	155.09
Irrigation	64.02
Pesticides	316.47
Fertilizer	2111.46

TABLE 5.1 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

National

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	7,407.33	72.39	103.66	66.84	49.12	76.73	197.15	62.30	1,490.16	70.57
GRADES 1 - 3	1,448.51	14.16	23.80	15.35	8.08	12.62	50.33	15.90	309.48	14.66
GRADES 4 - 6	857.46	8.38	16.29	10.50	3.63	5.67	39.65	12.53	187.56	8.88
GRADES 7 - 8	309.98	3.03	6.02	3.88	2.12	3.31	16.02	5.06	69.55	3.29
GRADES 9 - 11	134.15	1.31	3.46	2.23	*	*	8.15	2.58	32.38	1.53
GRADE 12 COMPLETE	59.02	.58	*	*	*	*	4.59	1.45	19.44	.92
HIGHER EDUCATION	16.07	.16	*	*	*	*	*	*	2.88	.14
TOTAL	10,232.51	100.00	155.09	100.00	64.02	100.00	316.47	100.00	2,111.46	100.00

TABLE 5.2 NUMBER OF HOLDERS BY EDUCATIONAL ATTAINMENT AND REGION
2000/2001(1993 E.C.)

NUMBER IN THOUSANDS ('000)

REGION	EDUCATIONAL ATTAINMENT IN GRADES							
	ILLITERATE	1 - 3	4 - 6	7 - 8	9 - 11	12 COMPLETE	HIGHER EDUCATION	TOTAL HOLDERS
TIGRAY	507.12	95.99	19.48	4.70	1.49	.68	-	629.46
AFAR	26.62	1.63	.52	.11	.05	.04	.01	28.97
AMHARA	2,221.99	499.33	120.54	44.32	17.79	7.08	2.56	2,913.61
OROMIYA	2,787.95	553.13	394.17	143.07	67.37	27.77	6.13	3,979.59
SOMALIE	77.56	10.89	2.54	.80	.20	.58	-	92.57
BENSHANGUL-GUMUZ	84.01	16.73	11.87	3.70	1.47	.46	.29	118.54
S.N.N.P.R.	1,655.70	261.80	299.10	110.76	44.90	21.70	6.75	2,400.72
GAMBELA	17.70	4.93	6.53	1.48	.49	.10	.17	31.40
HARARI	10.68	1.63	1.34	.43	.08	.09	-	14.24
ADDIS ABABA	4.30	1.07	.75	.46	.27	.52	.15	7.52
DIRE DAWA	13.69	1.37	.62	.16	.04	-	-	15.89
TOTAL	7,407.33	1,448.51	857.46	309.98	134.15	59.02	16.07	10,232.51

TABLE 5.3 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

Tigray

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	507.12	80.56	6.80	91.15	2.04	52.58	*	*	155.91	78.82
GRADES 1 - 3	95.99	15.25	-	-	*	*	*	*	31.18	15.76
GRADES 4 - 6	19.48	3.09	*	*	*	*	*	*	7.37	3.73
GRADES 7 - 8	4.70	.75	*	*	-	-	-	-	2.49	1.26
GRADES 9 - 11	1.49	.24	-	-	-	-	-	-	*	*
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	*	*
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	629.46	100.00	7.46	100.00	3.88	100.00	2.49	100.00	197.81	100.00

TABLE 5.3.1 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

West Tigray

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	117.69	75.79	*	*	-	-	*	*	30.10	76.98
GRADES 1 - 3	31.30	20.16	-	-	-	-	*	*	7.04	18.01
GRADES 4 - 6	4.49	2.89	-	-	-	-	-	-	1.13	2.89
GRADES 7 - 8	1.13	.73	-	-	-	-	-	-	*	*
GRADES 9 - 11	*	*	-	-	-	-	-	-	*	*
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	155.29	100.00	*	*	-	-	*	*	39.10	100.00

TABLE 5.3.2 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

Central Tigray

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	165.52	80.45	*	*	-	-	-	-	66.36	78.71
GRADES 1 - 3	32.39	15.74	-	-	*	*	*	*	13.35	15.83
GRADES 4 - 6	6.35	3.09	-	-	-	-	*	*	3.64	4.32
GRADES 7 - 8	*	*	-	-	-	-	-	-	*	*
GRADES 9 - 11	*	*	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	-	-	-	-	-	-	-	-	-	-
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	205.75	100.00	*	*	*	*	*	*	84.31	100.00

TABLE 5.3.3 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

East Tigray

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	96.00	82.66	.92	100.00	*	*	*	*	27.78	77.45
GRADES 1 - 3	14.75	12.70	-	-	*	*	-	-	6.24	17.40
GRADES 4 - 6	4.75	4.09	-	-	-	-	-	-	*	*
GRADES 7 - 8	*	*	-	-	-	-	-	-	*	*
GRADES 9 - 11	-	-	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	-	-	-	-	-	-	-	-	-	-
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	116.14	100.00	.92	100.00	*	*	*	*	35.87	100.00

TABLE 5.3.4 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1998 E.C.)

South Tigray

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	127.92	84.00	4.76	87.82	*	*	*	*	31.67	82.20
GRADES 1 - 3	17.55	11.52	-	-	-	-	-	-	4.56	11.83
GRADES 4 - 6	3.88	2.55	*	*	*	*	-	-	1.40	3.63
GRADES 7 - 8	1.96	1.29	*	*	-	-	-	-	*	*
GRADES 9 - 11	*	*	-	-	-	-	-	-	*	*
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	*	*
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	152.28	100.00	5.42	100.00	2.30	100.00	*	*	38.53	100.00

TABLE 5.4 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1998 E.C.)

Afar

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	26.62	91.89	-	-	*	*	*	*	1.21	100.00
GRADES 1 - 3	1.63	5.63	-	-	-	-	-	-	-	-
GRADES 4 - 6	.52	1.79	-	-	-	-	-	-	-	-
GRADES 7 - 8	.11	.38	-	-	-	-	-	-	-	-
GRADES 9 - 11	*	*	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	*	*	-	-	-	-	-	-	-	-
TOTAL	28.97	100.00	-	-	*	*	*	*	1.21	100.00

TABLE 5.4.1 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1998 E.C.)

Zone 1

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	4.80	86.96	-	-	*	*	-	-	-	-
GRADES 1 - 3	.34	6.16	-	-	-	-	-	-	-	-
GRADES 4 - 6	.29	5.25	-	-	-	-	-	-	-	-
GRADES 7 - 8	*	*	-	-	-	-	-	-	-	-
GRADES 9 - 11	*	*	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	5.52	100.00	-	-	*	*	-	-	-	-

TABLE 5.4.2 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1998 E.C.)

Zone 3

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	21.81	92.97	-	-	*	*	*	*	1.21	100.00
GRADES 1 - 3	1.29	5.50	-	-	-	-	-	-	-	-
GRADES 4 - 6	.23	.98	-	-	-	-	-	-	-	-
GRADES 7 - 8	*	*	-	-	-	-	-	-	-	-
GRADES 9 - 11	*	*	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	*	*	-	-	-	-	-	-	-	-
TOTAL	23.46	100.00	-	-	*	*	*	*	1.21	100.00

TABLE 5.5 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

Arhara

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	2,221.99	76.26	35.50	69.99	20.18	85.91	20.24	70.42	428.73	72.40
GRADES 1 - 3	499.33	17.14	10.33	20.37	*	*	6.73	23.42	116.24	19.63
GRADES 4 - 6	120.54	4.14	3.05	6.01	*	*	*	*	28.13	4.75
GRADES 7 - 8	44.32	1.52	*	*	*	*	-	-	10.32	1.74
GRADES 9 - 11	17.79	.61	*	*	-	-	-	-	5.17	.87
GRADE 12 COMPLETE	7.08	.24	-	-	-	-	-	-	3.23	.55
HIGHER EDUCATION	2.56	.09	-	-	-	-	-	-	*	*
TOTAL	2,913.61	100.00	50.72	100.00	23.49	100.00	28.74	100.00	592.16	100.00

TABLE 5.5.1 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

North Gondar

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	312.67	80.45	6.90	*	*	*	*	*	63.86	85.84
GRADES 1 - 3	59.02	15.19	*	*	-	-	*	*	8.03	10.79
GRADES 4 - 6	12.27	3.16	*	*	-	-	*	*	*	*
GRADES 7 - 8	3.81	.98	-	-	-	-	-	-	*	*
GRADES 9 - 11	*	*	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	-	-	-	-	-	-	-	-	-	-
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	388.63	100.00	*	*	*	*	*	*	74.39	100.00

TABLE 5.5.2 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

South Gondar

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	269.09	74.84	*	*	*	*	*	*	36.44	62.81
GRADES 1 - 3	75.23	20.92	-	-	-	-	-	-	17.14	29.54
GRADES 4 - 6	9.66	2.69	-	-	-	-	-	-	3.30	5.69
GRADES 7 - 8	*	*	-	-	-	-	-	-	-	-
GRADES 9 - 11	*	*	-	-	-	-	-	-	*	*
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	*	*
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	359.56	100.00	*	*	*	*	*	*	58.02	100.00

TABLE 5.5.3 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

North Wolo

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	208.90	76.85	-	-	*	*	-	-	10.08	74.23
GRADES 1 - 3	43.90	16.15	-	-	-	-	-	-	*	*
GRADES 4 - 6	12.97	4.77	-	-	-	-	-	-	*	*
GRADES 7 - 8	4.30	1.58	-	-	-	-	-	-	-	-
GRADES 9 - 11	*	*	-	-	-	-	-	-	*	*
GRADE 12 COMPLETE	-	-	-	-	-	-	-	-	-	-
HIGHER EDUCATION	*	*	-	-	-	-	-	-	-	-
TOTAL	271.82	100.00	-	-	*	*	-	-	13.58	100.00

TABLE 5.5.4 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

South Wolo

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	355.35	76.67	*	*	*	*	-	-	16.07	69.87
GRADES 1 - 3	64.75	13.97	-	-	-	-	*	*	*	*
GRADES 4 - 6	26.30	5.67	*	*	-	-	-	-	2.85	12.39
GRADES 7 - 8	7.48	1.61	-	-	-	-	-	-	*	*
GRADES 9 - 11	6.60	1.42	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	*	*	-	-	-	-	-	-	-	-
TOTAL	463.48	100.00	*	*	*	*	*	*	23.00	100.00

TABLE 5.5.5 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

North Shewa

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	252.13	75.56	-	-	*	*	4.07	62.33	30.37	71.80
GRADES 1 - 3	56.09	16.81	-	-	*	*	2.08	31.85	6.94	16.41
GRADES 4 - 6	17.48	5.24	-	-	*	*	*	*	*	*
GRADES 7 - 8	3.38	1.01	-	-	-	-	-	-	*	*
GRADES 9 - 11	*	*	-	-	-	-	-	-	*	*
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	*	*
HIGHER EDUCATION	*	*	-	-	-	-	-	-	*	*
TOTAL	333.68	100.00	-	-	*	*	6.53	100.00	42.30	100.00

TABLE 5.5.6 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

East Gojam

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	301.22	70.15	6.54	71.16	*	*	*	*	100.03	68.79
GRADES 1 - 3	94.16	21.93	2.65	28.84	*	*	*	*	33.55	23.07
GRADES 4 - 6	19.24	4.48	-	-	-	-	*	*	6.45	4.44
GRADES 7 - 8	10.80	2.52	-	-	-	-	-	-	3.79	2.61
GRADES 9 - 11	2.35	.55	-	-	-	-	-	-	*	*
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	*	*
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	429.39	100.00	9.19	100.00	*	*	5.23	100.00	145.42	100.00

TABLE 5.5.7 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

West Gojam

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	263.95	74.17	18.00	69.23	*	*	*	*	124.91	71.32
GRADES 1 - 3	67.67	19.01	5.43	20.88	*	*	*	*	35.99	20.55
GRADES 4 - 6	16.07	4.52	*	*	*	*	-	-	8.92	5.09
GRADES 7 - 8	6.28	1.76	*	*	*	*	-	-	3.83	2.19
GRADES 9 - 11	1.93	.54	*	*	-	-	-	-	*	*
GRADE 12 COMPLETE	-	-	-	-	-	-	-	-	-	-
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	355.89	100.00	26.00	100.00	*	*	*	*	175.15	100.00

TABLE 5.5.8 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

Waghamara

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	63.53	86.73	-	-	*	*	-	-	*	*
GRADES 1 - 3	9.36	12.78	-	-	-	-	-	-	*	*
GRADES 4 - 6	*	*	-	-	-	-	-	-	-	-
GRADES 7 - 8	-	-	-	-	-	-	-	-	-	-
GRADES 9 - 11	-	-	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	-	-	-	-	-	-	-	-	-	-
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	73.25	100.00	-	-	*	*	-	-	.52	100.00

TABLE 5.5.9 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

Agawia

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	115.35	76.67	*	*	3.16	100.00	-	-	41.32	76.53
GRADES 1 - 3	23.20	15.42	1.36	26.10	-	-	-	-	8.19	15.17
GRADES 4 - 6	4.74	3.15	-	-	-	-	-	-	2.21	4.09
GRADES 7 - 8	5.06	3.36	*	*	-	-	-	-	.95	1.76
GRADES 9 - 11	1.63	1.08	*	*	-	-	-	-	*	*
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	*	*
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	150.45	100.00	5.21	100.00	3.16	100.00	-	-	53.99	100.00

TABLE 5.5.10 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

Oromia

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	79.80	91.25	-	-	-	-	*	*	5.43	93.94
GRADES 1 - 3	5.95	6.80	-	-	-	-	-	-	*	*
GRADES 4 - 6	1.45	1.66	-	-	-	-	-	-	-	-
GRADES 7 - 8	*	*	-	-	-	-	-	-	-	-
GRADES 9 - 11	-	-	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	-	-	-	-	-	-	-	-	-	-
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	87.45	100.00	-	-	-	-	*	*	5.78	100.00

TABLE 5.6 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

Oromia

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	2,787.95	70.06	48.16	68.65	20.16	72.99	146.77	61.67	591.66	67.92
GRADES 1 - 3	553.13	13.90	8.65	12.33	4.48	16.22	36.34	15.27	115.27	13.23
GRADES 4 - 6	394.17	9.90	8.06	11.49	*	*	29.33	12.32	97.87	11.24
GRADES 7 - 8	143.07	3.60	2.57	3.66	*	*	13.36	5.61	37.22	4.27
GRADES 9 - 11	67.37	1.69	1.99	2.84	-	-	7.22	3.03	15.49	1.78
GRADE 12 COMPLETE	27.77	.70	*	*	*	*	4.38	1.84	12.00	1.38
HIGHER EDUCATION	6.13	.15	-	-	-	-	*	*	*	*
TOTAL	3,979.59	100.00	70.15	100.00	27.62	100.00	237.99	100.00	871.11	100.00

TABLE 5.6.1 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

West Melega

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	202.30	63.58	12.52	66.07	*	*	*	*	41.11	66.01
GRADES 1 - 3	43.99	13.83	*	*	*	*	*	*	5.21	8.37
GRADES 4 - 6	42.98	13.49	3.47	18.31	-	-	*	*	11.47	18.42
GRADES 7 - 8	14.48	4.55	-	-	-	-	-	-	1.85	2.97
GRADES 9 - 11	10.98	3.45	*	*	-	-	-	-	1.79	2.87
GRADE 12 COMPLETE	3.48	1.09	-	-	-	-	-	-	*	*
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	318.16	100.00	18.95	100.00	*	*	1.95	100.00	62.28	100.00

TABLE 5.6.2 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

East Melega

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	182.58	69.80	6.01	67.38	-	-	*	*	47.28	70.81
GRADES 1 - 3	25.25	9.65	1.29	14.46	-	-	-	-	6.56	9.82
GRADES 4 - 6	24.95	9.54	*	*	-	-	-	-	4.68	7.01
GRADES 7 - 8	16.74	6.40	*	*	-	-	*	*	4.64	6.95
GRADES 9 - 11	7.24	2.77	*	*	-	-	-	-	2.43	3.64
GRADE 12 COMPLETE	2.46	.94	-	-	-	-	-	-	*	*
HIGHER EDUCATION	*	*	-	-	-	-	-	-	*	*
TOTAL	261.56	100.00	8.92	100.00	-	-	*	*	66.77	100.00

TABLE 5.6.3 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

Illibabor

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	118.83	69.05	*	*	*	*	1.77	76.29	6.28	66.60
GRADES 1 - 3	22.20	12.90	-	-	-	-	*	*	*	*
GRADES 4 - 6	23.40	13.60	*	*	-	-	*	*	1.71	18.13
GRADES 7 - 8	5.51	3.20	*	*	-	-	-	-	*	*
GRADES 9 - 11	1.15	.67	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	*	*	-	-	-	-	-	-	-	-
TOTAL	172.10	100.00	2.90	100.00	*	*	2.32	100.00	9.43	100.00

TABLE 5.6.4 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

Jirra

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	316.27	79.27	16.48	89.03	-	-	28.90	83.26	83.79	82.91
GRADES 1 - 3	47.24	11.84	*	*	-	-	*	*	7.82	7.74
GRADES 4 - 6	24.97	6.26	*	*	-	-	*	*	6.68	6.61
GRADES 7 - 8	5.57	1.40	-	-	-	-	-	-	*	*
GRADES 9 - 11	3.02	.76	-	-	-	-	*	*	*	*
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	*	*
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	398.96	100.00	18.51	100.00	-	-	34.71	100.00	101.06	100.00

TABLE 5.6.5 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

West Shewa

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	321.71	66.87	*	*	*	*	28.16	59.21	74.38	64.17
GRADES 1 - 3	68.98	14.34	*	*	-	-	6.57	13.81	12.63	10.90
GRADES 4 - 6	53.14	11.05	*	*	-	-	5.34	11.23	16.71	14.42
GRADES 7 - 8	16.72	3.48	-	-	-	-	3.95	8.31	5.73	4.94
GRADES 9 - 11	15.08	3.13	-	-	-	-	*	*	2.86	2.47
GRADE 12 COMPLETE	4.25	.88	-	-	*	*	*	*	2.40	2.07
HIGHER EDUCATION	*	*	-	-	-	-	*	*	*	*
TOTAL	481.08	100.00	*	*	*	*	47.56	100.00	115.91	100.00

TABLE 5.6.6 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

North Shewa

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	211.37	82.72	*	*	-	-	6.63	81.25	34.45	79.01
GRADES 1 - 3	25.73	10.07	-	-	-	-	*	*	4.16	9.54
GRADES 4 - 6	9.26	3.62	-	-	-	-	*	*	2.48	5.69
GRADES 7 - 8	4.41	1.73	-	-	-	-	-	-	*	*
GRADES 9 - 11	2.12	.83	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	*	*	*	*	*	*	-	-	*	*
HIGHER EDUCATION	*	*	-	-	-	-	-	-	-	-
TOTAL	255.53	100.00	*	*	*	*	8.16	100.00	43.60	100.00

TABLE 5.6.7 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1998 E.C.)

East Shewa

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	206.26	70.45	*	*	-	-	12.62	66.25	37.32	64.09
GRADES 1 - 3	42.99	14.68	*	*	-	-	*	*	9.49	16.30
GRADES 4 - 6	24.73	8.45	-	-	-	-	2.45	12.67	5.18	8.90
GRADES 7 - 8	10.19	3.48	*	*	-	-	*	*	3.07	5.27
GRADES 9 - 11	5.63	1.92	*	*	-	-	*	*	*	*
GRADE 12 COMPLETE	2.97	1.01	-	-	-	-	*	*	*	*
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	292.76	100.00	1.83	100.00	-	-	19.34	100.00	58.23	100.00

TABLE 5.6.8 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1998 E.C.)

Arsi

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	315.73	61.16	*	*	*	*	35.94	49.79	105.91	58.13
GRADES 1 - 3	85.40	16.16	*	*	-	-	15.12	20.94	27.91	15.32
GRADES 4 - 6	72.99	14.14	*	*	*	*	12.48	17.29	30.05	16.49
GRADES 7 - 8	29.31	5.68	*	*	*	*	5.71	7.91	13.69	7.51
GRADES 9 - 11	9.58	1.86	-	-	-	-	*	*	2.44	1.34
GRADE 12 COMPLETE	5.23	1.01	-	-	-	-	*	*	*	*
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	516.24	100.00	*	*	*	*	72.19	100.00	182.19	100.00

TABLE 5.6.9 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

West Hararge

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	241.39	81.00	*	*	6.29	66.28	-	-	33.55	73.09
GRADES 1 - 3	33.61	11.28	*	*	2.86	30.14	-	-	7.63	16.62
GRADES 4 - 6	16.67	5.59	*	*	*	*	-	-	3.66	7.97
GRADES 7 - 8	*	*	-	-	-	-	-	-	*	*
GRADES 9 - 11	*	*	-	-	-	-	-	-	*	*
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	298.03	100.00	*	*	9.49	100.00	-	-	45.90	100.00

TABLE 5.6.10 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

East Hararge

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	281.55	74.13	*	*	*	*	*	*	94.16	73.32
GRADES 1 - 3	56.06	14.76	-	-	*	*	*	*	21.81	16.98
GRADES 4 - 6	27.78	7.31	-	-	*	*	*	*	8.23	6.41
GRADES 7 - 8	9.04	2.38	-	-	-	-	-	-	*	*
GRADES 9 - 11	4.39	1.16	-	-	-	-	*	*	*	*
GRADE 12 COMPLETE	*	*	*	*	-	-	-	-	*	*
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	379.80	100.00	*	*	*	*	*	*	128.43	100.00

TABLE 5.6.11 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

Bale

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	167.67	60.38	*	*	*	*	18.14	52.53	29.48	60.10
GRADES 1 - 3	51.75	18.64	*	*	*	*	6.32	18.30	9.89	20.16
GRADES 4 - 6	36.60	13.18	*	*	-	-	4.96	14.36	4.80	9.79
GRADES 7 - 8	14.52	5.23	-	-	-	-	*	*	*	*
GRADES 9 - 11	4.41	1.59	-	-	-	-	*	*	*	*
GRADE 12 COMPLETE	2.71	.98	-	-	-	-	*	*	*	*
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	277.67	100.00	*	*	*	*	34.53	100.00	49.05	100.00

TABLE 5.6.12 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

Borena

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	222.28	67.83	*	*	-	-	-	-	3.94	47.64
GRADES 1 - 3	51.94	15.85	-	-	-	-	-	-	*	*
GRADES 4 - 6	36.77	11.22	*	*	-	-	-	-	*	*
GRADES 7 - 8	12.55	3.83	*	*	-	-	-	-	*	*
GRADES 9 - 11	*	*	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	*	*	-	-	-	-	-	-	-	-
TOTAL	327.70	100.00	*	*	-	-	-	-	8.27	100.00

TABLE 5.7 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1998 E.C.)

Smale

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	77.56	83.79	*	*	1.34	85.45	*	*	*	*
GRADES 1 - 3	10.89	11.76	*	*	*	*	-	-	*	*
GRADES 4 - 6	2.54	2.74	*	*	*	*	-	-	*	*
GRADES 7 - 8	.80	.86	-	-	-	-	-	-	-	-
GRADES 9 - 11	*	*	-	-	*	*	-	-	*	*
GRADE 12 COMPLETE	.58	.63	-	-	-	-	-	-	-	-
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	92.57	100.00	*	*	1.55	100.00	*	*	*	*

TABLE 5.7.1 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1998 E.C.)

Shirele

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	4.29	83.63	.07	*	1.20	84.51	*	*	.29	72.50
GRADES 1 - 3	.36	7.02	*	*	.10	7.04	-	-	.07	17.50
GRADES 4 - 6	*	*	*	*	*	*	-	-	*	*
GRADES 7 - 8	*	*	-	-	-	-	-	-	-	-
GRADES 9 - 11	*	*	-	-	*	*	-	-	*	*
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	5.13	100.00	*	*	1.42	100.00	*	*	.40	100.00

TABLE 5.7.2 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

Jijiga

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	53.83	88.22	-	-	-	-	-	-	*	*
GRADES 1 - 3	5.00	8.19	*	*	-	-	-	-	*	*
GRADES 4 - 6	*	*	-	-	-	-	-	-	-	-
GRADES 7 - 8	*	*	-	-	-	-	-	-	-	-
GRADES 9 - 11	*	*	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	61.02	100.00	*	*	-	-	-	-	*	*

TABLE 5.7.3 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

Moyale

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	19.44	73.58	-	-	*	*	-	-	-	-
GRADES 1 - 3	*	*	-	-	-	-	-	-	-	-
GRADES 4 - 6	1.27	4.81	-	-	-	-	-	-	-	-
GRADES 7 - 8	*	*	-	-	-	-	-	-	-	-
GRADES 9 - 11	-	-	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	26.42	100.00	-	-	*	*	-	-	-	-

TABLE 5.8 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

Benshangul-Gumuz

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	84.01	70.87	1.12	53.33	*	*	3.01	61.68	17.80	65.63
GRADES 1 - 3	16.73	14.11	.39	18.57	-	-	*	*	5.03	18.55
GRADES 4 - 6	11.87	10.01	.31	14.76	-	-	*	*	2.85	10.51
GRADES 7 - 8	3.70	3.12	*	*	-	-	*	*	1.21	4.46
GRADES 9 - 11	1.47	1.24	*	*	-	-	*	*	*	*
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	*	*
HIGHER EDUCATION	*	*	-	-	-	-	-	-	-	-
TOTAL	118.54	100.00	2.10	100.00	*	*	4.88	100.00	27.12	100.00

TABLE 5.8.1 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

Metekel

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	41.74	76.31	.76	58.02	*	*	-	-	6.77	65.47
GRADES 1 - 3	6.73	12.30	*	*	-	-	*	*	1.59	15.38
GRADES 4 - 6	4.53	8.28	*	*	-	-	-	-	1.14	11.03
GRADES 7 - 8	1.17	2.14	*	*	-	-	-	-	.72	6.96
GRADES 9 - 11	.34	.62	*	*	-	-	-	-	*	*
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	*	*
HIGHER EDUCATION	*	*	-	-	-	-	-	-	-	-
TOTAL	54.70	100.00	1.31	100.00	*	*	*	*	10.34	100.00

TABLE 5.8.2 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

Asosa

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	35.40	68.98	.34	48.57	*	*	3.01	63.64	10.94	66.18
GRADES 1 - 3	8.41	16.39	*	*	-	-	*	*	3.41	20.63
GRADES 4 - 6	5.08	9.90	*	*	-	-	*	*	1.61	9.74
GRADES 7 - 8	1.70	3.31	-	-	-	-	*	*	.49	2.96
GRADES 9 - 11	.65	1.27	-	-	-	-	*	*	*	*
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	51.32	100.00	.70	100.00	*	*	4.73	100.00	16.53	100.00

TABLE 5.8.3 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

Kemeshi

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	6.88	54.91	*	*	-	-	-	-	.09	36.00
GRADES 1 - 3	1.60	12.77	-	-	-	-	-	-	*	*
GRADES 4 - 6	2.26	18.04	*	*	-	-	-	-	*	*
GRADES 7 - 8	.83	6.62	-	-	-	-	-	-	-	-
GRADES 9 - 11	*	*	*	*	-	-	-	-	*	*
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	*	*	-	-	-	-	-	-	-	-
TOTAL	12.53	100.00	*	*	-	-	-	-	.25	100.00

TABLE 5.9 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

(S.N.N.P.R)

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	1,655.70	68.97	11.59	49.61	2.28	64.23	25.71	61.35	281.09	69.66
GRADES 1 - 3	261.80	10.91	3.97	16.99	*	*	5.55	13.24	39.49	9.79
GRADES 4 - 6	299.10	12.46	4.18	17.89	*	*	7.23	17.25	49.71	12.32
GRADES 7 - 8	110.76	4.61	*	*	*	*	*	*	17.75	4.40
GRADES 9 - 11	44.90	1.87	*	*	-	-	.84	2.00	11.04	2.74
GRADE 12 COMPLETE	21.70	.90	*	*	-	-	*	*	*	*
HIGHER EDUCATION	6.75	.28	*	*	*	*	-	-	*	*
TOTAL	2,400.72	100.00	23.36	100.00	3.55	100.00	41.91	100.00	405.52	100.00

TABLE 5.9.1 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

Gurage

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	261.45	74.27	*	*	-	-	9.06	54.28	49.50	70.13
GRADES 1 - 3	49.30	14.00	*	*	-	-	1.96	11.74	8.86	12.55
GRADES 4 - 6	31.15	8.85	*	*	-	-	*	*	8.35	11.83
GRADES 7 - 8	6.70	1.90	-	-	-	-	*	*	*	*
GRADES 9 - 11	*	*	-	-	-	-	-	-	*	*
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	*	*	-	-	-	-	-	-	*	*
TOTAL	352.03	100.00	4.34	100.00	-	-	16.69	100.00	70.58	100.00

TABLE 5.9.2 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

Hadiya

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	124.35	62.01	*	*	-	-	9.92	68.27	26.57	61.21
GRADES 1 - 3	18.90	9.43	*	*	-	-	1.57	10.81	4.48	10.32
GRADES 4 - 6	30.21	15.07	*	*	-	-	2.05	14.11	7.08	16.31
GRADES 7 - 8	18.61	9.28	*	*	-	-	*	*	3.05	7.03
GRADES 9 - 11	3.81	1.90	-	-	-	-	*	*	*	*
GRADE 12 COMPLETE	3.46	1.73	-	-	-	-	-	-	*	*
HIGHER EDUCATION	1.17	.58	*	*	-	-	-	-	*	*
TOTAL	200.52	100.00	*	*	-	-	14.53	100.00	43.41	100.00

TABLE 5.9.3 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

Kerbata Alaba Tenbaro

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	92.97	65.27	*	*	-	-	2.52	52.61	12.13	57.35
GRADES 1 - 3	17.18	12.06	-	-	-	-	.76	15.87	3.92	18.53
GRADES 4 - 6	18.08	12.69	-	-	-	-	*	*	3.01	14.23
GRADES 7 - 8	7.31	5.13	*	*	-	-	*	*	.74	3.50
GRADES 9 - 11	4.69	3.29	-	-	-	-	*	*	1.15	5.44
GRADE 12 COMPLETE	1.86	1.31	-	-	-	-	*	*	*	*
HIGHER EDUCATION	*	*	-	-	-	-	-	-	-	-
TOTAL	142.45	100.00	*	*	-	-	4.79	100.00	21.15	100.00

TABLE 5.9.4 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1998 E.C.)

Sidama

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	313.70	63.04	*	*	*	*	-	-	47.49	73.94
GRADES 1 - 3	49.79	10.00	-	-	-	-	*	*	3.20	4.98
GRADES 4 - 6	76.31	15.33	*	*	-	-	-	-	5.90	9.19
GRADES 7 - 8	34.09	6.85	-	-	-	-	-	-	3.43	5.34
GRADES 9 - 11	15.02	3.02	*	*	-	-	-	-	3.31	5.15
GRADE 12 COMPLETE	7.61	1.53	*	*	-	-	-	-	*	*
HIGHER EDUCATION	*	*	-	-	-	-	-	-	-	-
TOTAL	497.66	100.00	4.27	100.00	*	*	*	*	64.23	100.00

TABLE 5.9.5 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1998 E.C.)

Gedio

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	87.42	61.72	*	*	-	-	*	*	9.42	78.11
GRADES 1 - 3	21.09	14.89	*	*	-	-	*	*	1.63	13.52
GRADES 4 - 6	21.27	15.02	-	-	-	-	*	*	*	*
GRADES 7 - 8	8.59	6.06	-	-	-	-	-	-	*	*
GRADES 9 - 11	2.44	1.72	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	*	*	-	-	-	-	-	-	-	-
TOTAL	141.65	100.00	*	*	-	-	*	*	12.06	100.00

TABLE 5.9.6 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

North Omo

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	441.80	70.70	*	*	-	-	*	*	110.00	69.41
GRADES 1 - 3	57.08	9.13	*	*	-	-	-	-	13.72	8.66
GRADES 4 - 6	82.59	13.22	*	*	-	-	-	-	21.76	13.73
GRADES 7 - 8	22.27	3.56	*	*	*	*	-	-	6.38	4.03
GRADES 9 - 11	13.03	2.09	-	-	-	-	-	-	*	*
GRADE 12 COMPLETE	5.20	.83	-	-	-	-	-	-	*	*
HIGHER EDUCATION	*	*	-	-	-	-	-	-	-	-
TOTAL	624.91	100.00	7.46	100.00	*	*	*	*	158.47	100.00

TABLE 5.9.7 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

South Omo

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	77.54	82.77	*	*	*	*	-	-	*	*
GRADES 1 - 3	8.20	8.75	-	-	-	-	*	*	*	*
GRADES 4 - 6	5.81	6.20	-	-	-	-	-	-	*	*
GRADES 7 - 8	1.35	1.44	-	-	-	-	-	-	-	-
GRADES 9 - 11	*	*	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	*	*	-	-	-	-	-	-	-	-
TOTAL	93.68	100.00	*	*	*	*	*	*	*	*

TABLE 5.9.8 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

Keficho-Shekicho

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	115.47	72.11	1.20	65.85	*	*	1.91	84.89	6.07	68.05
GRADES 1 - 3	18.20	11.37	*	*	*	*	*	*	1.09	12.22
GRADES 4 - 6	17.62	11.00	-	-	*	*	*	*	1.24	13.90
GRADES 7 - 8	6.26	3.91	-	-	-	-	-	-	*	*
GRADES 9 - 11	2.35	1.47	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	-	-	-	-	-	-	-	-	-	-
HIGHER EDUCATION	*	*	-	-	-	-	-	-	-	-
TOTAL	160.13	100.00	1.88	100.00	*	*	2.25	100.00	8.92	100.00

TABLE 5.9.9 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

Bench-Maji

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	69.00	73.90	*	*	-	-	-	-	4.57	75.91
GRADES 1 - 3	11.40	12.21	-	-	-	-	-	-	.81	13.46
GRADES 4 - 6	8.46	9.06	-	-	-	-	-	-	*	*
GRADES 7 - 8	3.03	3.25	-	-	-	-	-	-	*	*
GRADES 9 - 11	.82	.88	-	-	-	-	-	-	*	*
GRADE 12 COMPLETE	.66	.71	-	-	-	-	-	-	-	-
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	93.37	100.00	*	*	-	-	-	-	6.02	100.00

TABLE 5.9.10 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

Yam Special Wereda

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	10.40	72.22	*	*	*	*	.19	61.29	2.94	73.13
GRADES 1 - 3	1.33	9.24	*	*	-	-	*	*	.36	8.96
GRADES 4 - 6	1.58	10.97	*	*	-	-	*	*	.44	10.95
GRADES 7 - 8	.72	5.00	*	*	-	-	-	-	.16	3.98
GRADES 9 - 11	.25	1.74	-	-	-	-	-	-	*	*
GRADE 12 COMPLETE	.08	.56	-	-	-	-	-	-	*	*
HIGHER EDUCATION	*	*	-	-	-	-	-	-	*	*
TOTAL	14.40	100.00	.18	100.00	*	*	.31	100.00	4.02	100.00

TABLE 5.9.11 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

Amaro Special Wereda

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	13.65	62.44	*	*	*	*	-	-	2.27	72.29
GRADES 1 - 3	4.16	19.03	-	-	*	*	-	-	.70	22.29
GRADES 4 - 6	2.96	13.54	-	-	*	*	-	-	.11	3.50
GRADES 7 - 8	.75	3.43	-	-	*	*	-	-	*	*
GRADES 9 - 11	.22	1.01	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	*	*	-	-	*	*	-	-	-	-
TOTAL	21.85	100.00	*	*	*	*	-	-	3.14	100.00

TABLE 5.9.12 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

Burji Special Wereda

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	5.69	76.68	*	*	*	*	-	-	*	*
GRADES 1 - 3	.74	9.97	*	*	*	*	-	-	*	*
GRADES 4 - 6	.58	7.82	-	-	*	*	-	-	*	*
GRADES 7 - 8	.27	3.64	-	-	-	-	-	-	*	*
GRADES 9 - 11	.10	1.35	-	-	-	-	-	-	*	*
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	*	*	-	-	-	-	-	-	-	-
TOTAL	7.42	100.00	*	*	*	*	-	-	.34	100.00

TABLE 5.9.13 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

Konso Special Wereda

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	28.46	87.03	-	-	-	-	-	-	4.31	87.42
GRADES 1 - 3	2.11	6.45	-	-	-	-	-	-	.30	6.09
GRADES 4 - 6	1.36	4.16	-	-	-	-	-	-	*	*
GRADES 7 - 8	.31	.95	-	-	-	-	-	-	*	*
GRADES 9 - 11	*	*	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	*	*	-	-	-	-	-	-	-	-
TOTAL	32.70	100.00	-	-	-	-	-	-	4.95	100.00

TABLE 5.9.14 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

Derashe Special Wereda

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	13.80	76.92	-	-	*	*	-	-	*	*
GRADES 1 - 3	2.32	12.98	*	*	-	-	*	*	*	*
GRADES 4 - 6	1.13	6.30	-	-	-	-	-	-	*	*
GRADES 7 - 8	.49	2.73	-	-	-	-	-	-	*	*
GRADES 9 - 11	*	*	-	-	-	-	-	-	-	-
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	17.94	100.00	*	*	*	*	*	*	*	*

TABLE 5.10 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

Garbela

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	17.70	56.37	*	*	-	-	-	-	-	-
GRADES 1 - 3	4.98	15.70	*	*	-	-	-	-	-	-
GRADES 4 - 6	6.53	20.80	*	*	-	-	-	-	-	-
GRADES 7 - 8	1.48	4.71	-	-	-	-	-	-	-	-
GRADES 9 - 11	.49	1.56	*	*	-	-	-	-	-	-
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	-	-
HIGHER EDUCATION	*	*	-	-	-	-	-	-	-	-
TOTAL	31.40	100.00	*	*	-	-	-	-	-	-

TABLE 5.11 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

Harari

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	10.68	75.00	.15	44.12	.40	61.54	.08	47.06	5.62	70.25
GRADES 1 - 3	1.63	11.45	*	*	.10	15.38	*	*	1.09	13.63
GRADES 4 - 6	1.34	9.41	.11	32.35	.13	20.00	*	*	.95	11.88
GRADES 7 - 8	.43	3.02	*	*	*	*	-	-	.27	3.38
GRADES 9 - 11	*	*	-	-	-	-	-	-	*	*
GRADE 12 COMPLETE	*	*	-	-	-	-	-	-	*	*
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	14.24	100.00	.34	100.00	.65	100.00	.17	100.00	8.00	100.00

TABLE 5.12 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1995 E.C.)

Addis Ababa

NUMBER IN THOUSANDS ('000)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITERATE	4.30	57.18	.11	78.57	*	*	.08	72.73	1.66	59.50
GRADES 1 - 3	1.07	14.23	-	-	*	*	-	-	.29	10.39
GRADES 4 - 6	.75	9.97	*	*	-	-	*	*	.41	14.70
GRADES 7 - 8	.46	6.12	*	*	*	*	*	*	.22	7.89
GRADES 9 - 11	.27	3.59	-	-	*	*	-	-	.10	3.58
GRADE 12 COMPLETE	.52	6.91	-	-	-	-	*	*	.09	3.23
HIGHER EDUCATION	*	*	-	-	-	-	-	-	*	*
TOTAL	7.52	100.00	.14	100.00	*	*	.11	100.00	2.79	100.00

TABLE 5.13 NUMBER OF HOLDERS WHO APPLIED AGRICULTURAL PRACTICES IN THEIR FIELDS
BY EDUCATIONAL ATTAINMENT FOR PRIVATE PEASANT HOLDINGS
2000/2001(1993 E.C.)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED									
	NUMBER IN THOUSANDS ('000)									
	TOTAL	PERCENT	IMPROVED SEED	PERCENT	IRRIGATION	PERCENT	PESTICIDE	PERCENT	FERTILIZER	PERCENT
ILLITRATE	13.69	86.15	*	*	1.98	83.19	*	*	2.89	79.61
GRADES 1 - 3	1.37	8.62	-	-	.22	9.24	-	-	.38	10.47
GRADES 4 - 6	.62	3.90	*	*	.15	6.30	-	-	.25	6.89
GRADES 7 - 8	.16	1.01	-	-	*	*	-	-	*	*
GRADES 9 - 11	*	*	-	-	-	-	*	*	*	*
GRADE 12 COMPLETE	-	-	-	-	-	-	-	-	-	-
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-
TOTAL	15.89	100.00	*	*	2.38	100.00	*	*	3.63	100.00

APPENDIX I

ESTIMATION PROCEDURES AND FORMULATIONS FOR ESTIMATES OF TOTALS AND VARIANCE

APPENDIX I

ESTIMATION PROCEDURES OF TOTAL AND SAMPLING ERRORS

1. Estimating Area

The following formulas are used to estimate total area of land under specific crop where a certain agricultural input was applied on in a given stratum.

$$\hat{A}_h = \sum_{i=1}^{n_h} W_{hi} a_{hi}$$

in which

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

is the weight.

where:

h represents the stratum.

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

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

N 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 household listing of the survey.

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

a_{hi} is the sample total of area values in the i^{th} EA in the h^{th} stratum for the specific agricultural input for the specific crop.

$\hat{A}_h$ is estimate of total area under specific crop where a certain agricultural input was used in the h^{th} stratum.

2. To estimate quantity of fertilizer

$$\hat{Q}_h = \sum_{i=1}^{n_h} w_{hi} q_{hi}$$

in which

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

is the weight given above

where:

$\hat{Q}_h$ is estimate of total quantity of a specific fertilizer applied for a specific crop land in the h^{th} stratum.

q_{hi} is the sample total of a specific fertilizer applied for a specific crop land in the i^{th} EA in the h^{th} stratum.

3. Estimating Sampling Variance

Sampling variance of estimate of stratum total of area for a specific crop where a certain agricultural input used and quantity of a certain fertilizer are estimated by the following formulas respectively.

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

In estimating the sampling variance by the above formula, selection of EAs with in a stratum is assumed to be with replacement. By so doing, the variance estimate may be slightly over estimated but it greatly simplifies the estimation procedure. Furthermore, the finite population correction (fpc) is ignored in the formula. This is due to the fact that its effect is negligible.

4. Estimating Coefficient of Variation

Coefficient of Variation (CV) of estimate of stratum total area and quantity are given by:

$$CV(\hat{A}_h) = \frac{\sqrt{Var(\hat{A}_h)}}{\hat{A}_h} \times 100\%$$

$$CV(\hat{Q}_h) = \frac{\sqrt{VAR(\hat{Q}_h)}}{\hat{Q}_h} \times 100\%$$

Regional or National Estimates of the total Characteristic and Sampling variance are obtained by aggregating the respective stratum totals.

APPENDIX II

ESTIMATES OF THE STANDARD ERRORS WITH THE CORRESPONDING COEFFICIENTS OF VARIATION

TABLE 1.1

ESTIMATES OF TOTAL AREA, IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

National

TYPE OF CROP	Total Area			Improved Seed Applied			Irrigation applied			Pesticide Applied			Fertilizer Applied		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
CEREALS	7,636.62	169.71	2.22	415.27	27.79	6.69	45.77	9.67	21.13	986.27	73.61	7.46	3,339.73	130.92	3.92
Teff	2,182.53	99.57	4.56	14.52	3.42	23.52	5.65	1.29	22.92	443.65	43.74	9.86	1,146.46	73.85	6.44
Barely	874.00	56.08	6.42	0.90	0.38	42.38	3.68	1.53	41.64	83.52	13.10	15.69	315.39	35.96	11.40
Wheat	1,139.72	72.64	6.37	53.95	5.95	11.03	1.33	0.47	35.08	395.97	50.21	12.68	746.76	66.79	8.94
Maize	1,719.73	60.84	3.54	344.57	26.70	7.75	18.96	3.24	17.08	25.30	5.43	21.45	843.64	42.98	5.09
Sorghum	1,332.86	67.15	5.04	1.33	0.59	44.49	15.91	6.84	42.98	25.17	7.46	29.63	131.94	14.18	10.75
Millet	346.78	27.42	7.91	-	-	-	-	-	-	9.50	4.09	43.03	143.04	19.04	13.31
Oats	40.98	7.07	17.24	-	-	-	-	-	-	3.17	0.93	29.38	12.51	4.25	34.00
PULSES	1,233.93	46.05	3.73	1.71	0.49	28.45	3.88	0.91	23.37	7.56	1.75	23.14	172.58	14.56	8.44
Horse Beans	426.24	21.07	4.94	0.66	0.31	46.56	-	-	-	1.93	0.66	33.89	87.31	9.31	10.66
Chick Peas	204.76	15.91	7.77	-	-	-	-	0.70	41.82	-	-	-	-	5.19	1.01
Haricot Beans	186.74	15.41	8.25	0.13	0.05	40.36	1.23	0.48	39.21	-	-	-	39.73	5.95	14.97
Field Peas	211.91	20.82	9.83	-	-	-	-	-	-	3.11	1.02	32.79	30.66	6.30	20.56
Lentils	90.21	8.80	9.76	-	-	-	-	-	-	-	-	-	7.56	2.81	37.15
Vetch	114.06	12.19	10.68	-	-	-	-	-	-	-	-	-	2.14	0.50	23.48
OILSEEDS	561.41	32.04	5.71	-	-	-	0.29	0.10	32.97	4.12	1.29	31.34	37.42	4.58	12.24
Neug	335.66	26.04	7.76	-	-	-	-	-	-	-	-	-	10.12	2.41	23.77
Lin Seed	130.52	14.27	10.94	-	-	-	-	-	-	3.14	1.22	38.97	9.04	2.49	27.53
Rape seed	24.99	4.32	17.30	-	-	-	0.05	0.02	44.74	-	-	-	13.42	2.38	17.72
Ground Nuts	17.20	6.52	37.94	-	-	-	0.04	0.02	47.39	-	-	-	2.40	1.02	42.26
Sun Flower	10.63	2.19	20.56	-	-	-	-	-	-	-	-	-	1.41	0.34	24.16
Sesame	42.37	8.26	19.49	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	0.03	0.01	41.71	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	306.22	15.19	4.96	1.52	0.70	46.16	9.24	1.79	19.36	5.90	2.21	37.45	129.61	8.06	6.22
Fenugreek	13.52	2.02	14.92	-	-	-	-	-	-	-	-	-	1.35	0.27	20.08
Spices	82.07	9.20	11.21	-	-	-	1.51	0.41	26.95	4.55	2.17	47.73	32.67	4.41	13.49
Potatoes	57.65	8.91	15.45	-	-	-	1.91	0.53	27.71	-	-	-	30.99	4.63	14.95
Other Vegetables	152.98	7.88	5.15	1.45	0.70	48.61	5.82	1.58	27.13	0.69	0.25	36.70	64.59	4.46	6.91
ALL TEMPORARY	9,738.17	199.62	2.05	418.76	27.81	6.64	59.19	11.08	18.72	1,003.85	74.49	7.42	3,679.35	139.44	3.79
Chat	99.02	6.98	7.05	-	-	-	6.98	1.18	16.95	2.67	0.56	21.03	35.30	4.01	11.37
Coffee	274.43	23.49	8.56	21.46	4.26	19.84	7.24	1.63	22.51	0.60	0.29	48.10	46.10	5.23	11.35
Enset	263.89	18.14	6.87	-	-	-	1.39	0.39	28.45	-	-	-	175.38	14.17	8.08
Cotton	11.23	4.63	41.22	-	-	-	-	-	-	-	-	-	1.62	0.55	33.76
Tobacco	3.99	0.75	18.85	-	-	-	-	-	-	-	-	-	1.25	0.22	17.66
Fruits	20.60	3.45	16.73	0.03	0.01	37.83	2.68	0.80	30.04	-	-	-	3.48	0.52	14.86
Other Permanent	24.03	1.87	7.79	-	-	-	3.93	0.74	18.73	-	-	-	7.08	0.79	11.17
TOTAL PERMANENT	697.19	34.78	4.99	21.51	4.26	19.80	22.50	2.97	13.21	3.64	0.68	18.63	270.22	16.61	6.15
ALL CROPS	10,435.37	202.06	1.94	440.27	27.96	6.35	81.69	12.30	15.06	1,007.50	74.51	7.40	3,949.56	141.79	3.59

TABLE 1.2

ESTIMATES OF TOTAL AREA, IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Tigray

TYPE OF CROP	Total Area			Improved Seed Applied			Irrigation applied			Pesticide Applied			Fertilizer Applied		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
CEREALS	535.19	35.11	6.56	6.64	1.45	21.83	5.27	1.79	34.01	6.74	1.84	27.28	236.72	19.11	8.07
Teff	141.01	13.68	9.70	0.64	0.31	48.16	1.82	0.82	45.11	4.10	1.41	34.39	70.66	8.55	12.11
Barely	65.36	7.54	11.54	-	-	-	*	*	*	0.65	0.29	44.53	30.19	4.12	13.66
Wheat	73.32	9.63	13.14	5.45	1.46	26.86	1.06	0.46	43.23	*	*	*	34.30	4.12	12.02
Maize	55.68	7.16	12.85	*	*	*	0.53	0.19	36.63	*	*	*	36.27	5.55	15.30
Sorghum	134.36	20.35	15.14	-	-	-	*	*	*	*	*	*	39.28	9.46	24.09
Millet	65.09	10.37	15.93	-	-	-	-	-	-	*	*	*	26.02	5.18	19.89
Oats	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	60.78	5.66	9.32	-	-	-	1.25	0.57	45.22	*	*	*	5.89	0.88	14.88
Horse Beans	18.83	2.96	15.74	-	-	-	*	*	*	*	*	*	3.37	0.71	21.03
Chick Peas	5.49	1.34	24.38	-	-	-	*	*	*	*	*	*	1.14	0.29	25.37
Haricot Beans	2.64	1.24	46.79	-	-	-	-	-	-	*	*	*	*	*	*
Field Peas	17.09	2.69	15.73	-	-	-	-	-	-	-	-	-	0.36	0.13	37.42
Lentils	6.70	1.81	26.96	-	-	-	*	*	*	-	-	-	0.36	0.17	46.92
Vetch	10.03	2.23	22.20	-	-	-	*	*	*	-	-	-	0.36	0.15	42.64
OILSEEDS	38.55	7.72	20.03	-	-	-	*	*	*	*	*	*	1.63	0.69	42.06
Neug	12.01	3.19	26.53	-	-	-	-	-	-	-	-	-	0.31	0.12	40.57
Lin Seed	11.39	1.78	15.59	-	-	-	*	*	*	-	-	-	*	*	*
Rape seed	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	-	-	-	*	*	*	-	-	-	*	*	*
Sesame	15.02	6.74	44.87	-	-	-	-	-	-	*	*	*	*	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	1.72	0.35	20.43	*	*	*	0.22	0.08	34.86	-	-	-	0.54	0.15	28.49
Fenugreek	0.18	0.08	42.84	-	-	-	-	-	-	-	-	-	-	-	-
Spices	0.54	0.12	23.03	-	-	-	*	*	*	-	-	-	0.20	0.06	31.19
Potatoes	*	*	*	-	-	-	*	*	*	-	-	-	0.11	0.06	49.61
Other Vegetables	0.64	0.18	27.53	*	*	*	0.15	0.05	33.08	-	-	-	0.23	0.11	47.73
ALL TEMPORARY	636.23	37.36	5.87	6.65	1.45	21.77	6.80	1.89	27.83	7.37	1.90	25.82	244.78	19.16	7.83
Chat	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	*	*	*	-	-	-	*	*	*	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	*	-	-	-	*	*	*	-	-	-	-	-	-
Other Permanent	0.92	0.25	26.80	-	-	-	0.22	0.07	33.77	-	-	-	*	*	*
TOTAL PERMANENT	1.26	0.29	23.13	-	-	-	0.28	0.10	36.80	-	-	-	0.10	0.04	44.07
ALL CROPS	637.49	37.36	5.86	6.66	1.45	21.74	7.08	1.91	27.00	7.37	1.90	25.82	244.88	19.16	7.82

TABLE 1.3

ESTIMATES OF TOTAL AREA, IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Afar

TYPE OF CROP	Total Area			Improved Seed Applied			Irrigation applied			Pesticide Applied			Fertilizer Applied		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
CEREALS	26.85	6.01	22.39	*	*	*	3.90	1.03	26.49	*	*	*	2.95	0.98	33.32
Teff	8.26	2.92	35.30	-	-	-	*	*	*	*	*	*	2.14	0.91	42.69
Barely	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*
Wheat	*	*	*	-	-	-	-	-	-	*	*	*	-	-	-
Maize	6.75	1.17	17.34	*	*	*	3.74	1.02	27.40	*	*	*	0.25	0.09	34.96
Sorghum	11.25	3.13	27.83	-	-	-	*	*	*	*	*	*	0.53	0.19	36.88
Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	1.54	0.54	35.33	-	-	-	-	-	-	*	*	*	0.02	0.01	41.79
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	*	*	*	-	-	-	-	-	-	*	*	*	*	*	*
Haricot Beans	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*
Field Peas	1.17	0.46	39.16	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	0.87	0.31	35.27	-	-	-	*	*	*	*	*	*	*	*	*
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	0.49	0.24	47.79	-	-	-	-	-	-	*	*	*	*	*	*
Sesame	0.36	0.14	38.32	-	-	-	*	*	*	-	-	-	*	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	0.13	0.04	27.32	-	-	-	*	*	*	-	-	-	-	-	-
Fenugreek	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Spices	0.09	0.03	35.71	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	0.04	0.02	42.55	-	-	-	*	*	*	-	-	-	-	-	-
ALL TEMPORARY	29.39	6.66	22.66	*	*	*	3.94	1.03	26.25	0.30	0.14	46.11	3.16	1.07	33.94
Chat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	*	-	-	-	*	*	*	-	-	-	-	-	-
Other Permanent	*	*	*	-	-	-	*	*	*	-	-	-	-	-	-
TOTAL PERMANENT	0.12	0.04	37.32	-	-	-	*	*	*	-	-	-	-	-	-
ALL CROPS	29.51	6.69	22.65	*	*	*	3.98	1.03	25.84	0.30	0.14	46.11	3.16	1.07	33.94

TABLE 1.4

ESTIMATES OF TOTAL AREA, IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Arhara

TYPE OF CROP	Total Area			Improved Seed Applied			Irrigation applied			Pesticide Applied			Fertilizer Applied		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
CEREALS	2,644.91	102.99	3.89	111.62	14.25	12.76	16.40	6.99	42.62	56.35	9.49	16.84	956.04	71.89	7.52
Teff	949.35	72.76	7.66	3.70	1.37	37.01	1.90	0.83	43.65	27.12	5.80	21.37	432.32	43.19	9.99
Barely	287.87	23.46	8.15	0.23	0.11	48.70	3.23	1.52	47.19	1.99	0.82	41.24	44.58	6.22	13.95
Wheat	308.30	32.15	10.43	8.26	2.30	27.88	*	*	*	9.95	3.61	36.30	135.38	26.35	19.46
Maize	377.76	24.98	6.61	98.86	13.76	13.92	4.78	1.97	41.19	6.07	2.86	47.12	236.49	22.88	9.68
Sorghum	520.87	52.94	10.16	*	*	*	*	*	*	*	*	*	13.85	4.04	29.18
Millet	187.85	22.61	12.03	-	-	-	*	*	*	*	*	*	93.03	16.94	18.21
Oats	12.91	4.49	34.78	-	-	-	-	-	-	-	-	-	0.39	0.18	46.83
PULSES	560.09	30.32	5.41	*	*	*	1.32	0.51	38.92	0.64	0.30	46.35	29.93	4.44	14.82
Horse Beans	182.60	13.01	7.12	*	*	*	*	*	*	*	*	*	17.33	2.54	14.68
Chick Peas	90.24	8.78	9.73	-	-	-	*	*	*	*	*	*	1.40	0.47	33.35
Haricot Beans	43.28	9.12	21.08	*	*	*	*	*	*	*	*	*	0.77	0.28	36.59
Field Peas	121.14	13.83	11.42	*	*	*	*	*	*	*	*	*	5.52	1.71	30.99
Lentils	56.27	7.34	13.04	-	-	-	-	-	-	*	*	*	*	*	*
Vetch	66.57	10.09	15.15	-	-	-	*	*	*	-	-	-	0.93	0.39	42.09
OILSEEDS	246.95	20.81	8.43	-	-	-	*	*	*	*	*	*	14.67	2.82	19.22
Neug	186.02	19.89	10.69	-	-	-	*	*	*	-	-	-	7.43	2.26	30.39
Lin Seed	30.47	3.47	11.37	-	-	-	-	-	-	-	-	-	0.99	0.43	43.59
Rape seed	7.98	1.13	14.18	-	-	-	*	*	*	*	*	*	5.01	0.83	16.49
Ground Nuts	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	9.18	2.16	23.58	-	-	-	*	*	*	*	*	*	0.95	0.30	31.90
Sesame	13.23	4.21	31.84	-	-	-	-	-	-	*	*	*	*	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	86.31	10.36	12.00	*	*	*	3.43	0.69	20.05	*	*	*	21.62	2.69	12.44
Fenugreek	7.42	1.69	22.74	-	-	-	-	-	-	-	-	-	0.26	0.12	45.39
Spices	30.20	6.21	20.58	*	*	*	1.36	0.40	29.58	*	*	*	9.44	1.98	20.94
Potatoes	22.89	7.49	32.73	-	-	-	1.26	0.43	34.31	-	-	-	7.22	1.52	21.10
Other Vegetables	25.81	3.99	15.45	*	*	*	0.80	0.19	23.58	*	*	*	4.71	0.97	20.52
ALL TEMPORARY	3,538.27	118.36	3.35	112.50	14.25	12.67	21.25	7.13	33.55	57.59	9.53	16.55	1,022.26	75.56	7.39
Chat	2.00	0.65	32.56	-	-	-	*	*	*	*	*	*	0.91	0.43	46.58
Coffee	*	*	*	*	*	*	2.51	0.95	37.91	-	-	-	1.08	0.30	27.88
Enset	0.01	-	46.94	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	*	-	-	-	*	*	*	-	-	-	*	*	*
Tobacco	0.43	0.19	43.83	-	-	-	*	*	*	-	-	-	*	*	*
Fruits	1.17	0.35	29.86	-	-	-	0.60	0.22	36.49	-	-	-	0.17	0.08	45.15
Other Permanent	8.31	0.93	11.15	*	*	*	1.86	0.49	26.28	*	*	*	2.49	0.41	16.48
TOTAL PERMANENT	30.54	7.78	25.48	*	*	*	5.39	1.47	27.25	*	*	*	5.51	0.86	15.63
ALL CROPS	3,568.81	117.41	3.29	112.83	14.29	12.66	26.64	7.42	27.86	57.67	9.53	16.53	1,027.77	75.69	7.36

TABLE 1.5

ESTIMATES OF TOTAL AREA, IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1995 E.C.)

Oromia

TYPE OF CROP	Total Area			Improved Seed Applied			Irrigation applied			Pesticide Applied			Fertilizer Applied		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
CEREALS	3,300.17	112.60	3.41	213.97	20.92	9.78	15.11	6.31	41.77	792.58	71.35	9.00	1,719.42	103.29	6.01
Teff	887.25	62.46	7.04	6.16	2.82	45.71	1.58	0.55	34.57	359.64	41.76	11.61	549.03	57.66	10.50
Barely	397.64	41.94	10.55	*	*	*	0.19	0.09	45.64	77.12	13.05	16.92	208.36	34.32	16.47
Wheat	642.70	63.38	9.86	31.19	4.76	15.26	*	*	*	319.14	49.33	15.46	488.92	60.43	12.36
Maize	871.25	46.80	5.37	175.97	20.29	11.53	7.57	2.28	30.18	15.14	4.51	29.77	383.65	29.68	7.74
Sorghum	410.39	30.61	7.46	*	*	*	*	*	*	16.69	5.72	34.26	57.25	9.49	16.57
Millet	63.53	9.25	14.57	-	-	-	-	-	-	1.68	0.78	46.23	20.12	6.88	34.21
Oats	27.41	5.45	19.90	-	-	-	-	-	-	3.17	0.93	29.40	12.08	4.25	35.19
PULSES	440.88	29.26	6.64	1.32	0.45	34.13	*	*	*	5.78	1.66	28.77	84.04	11.31	13.46
Horse Beans	171.50	14.83	8.65	*	*	*	*	*	*	1.28	0.60	46.83	48.83	8.37	17.13
Chick Peas	66.23	7.57	11.43	*	*	*	-	-	-	*	*	*	1.54	0.72	46.61
Haricot Beans	77.15	9.54	12.37	*	*	*	*	*	*	*	*	*	14.69	3.21	21.87
Field Peas	64.39	15.06	23.40	*	*	*	*	*	*	2.57	0.96	37.51	15.49	4.75	30.66
Lentils	26.24	4.52	17.21	-	-	-	*	*	*	*	*	*	2.87	0.69	24.20
Vetch	35.37	6.42	18.16	-	-	-	-	-	-	*	*	*	0.61	0.25	41.47
OILSEEDS	228.98	22.36	9.77	*	*	*	0.04	0.02	42.10	3.12	1.22	39.13	18.53	3.52	18.99
Neug	111.14	15.61	14.04	-	-	-	-	-	-	*	*	*	2.01	0.80	39.70
Lin Seed	86.71	13.72	15.83	*	*	*	-	-	-	3.06	1.22	39.89	7.16	2.42	33.72
Rape seed	14.72	4.14	28.11	-	-	-	*	*	*	*	*	*	7.03	2.20	31.33
Ground Nuts	*	*	*	-	-	-	*	*	*	-	-	-	2.04	1.01	49.64
Sun Flower	0.39	0.15	37.42	-	-	-	-	-	-	-	-	-	0.15	0.07	42.55
Sesame	3.77	1.13	29.89	-	-	-	-	-	-	-	-	-	*	*	*
Castor Bean	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*
OTHERS	103.70	7.71	7.44	*	*	*	4.90	1.64	33.40	0.99	0.40	39.98	43.11	5.05	11.72
Fenugreek	5.51	1.10	19.98	-	-	-	-	-	-	-	-	-	0.91	0.24	25.77
Spices	23.94	4.92	20.54	-	-	-	0.09	0.04	46.70	*	*	*	6.39	1.61	25.13
Potatoes	21.69	4.41	20.35	-	-	-	*	*	*	*	*	*	15.27	4.12	26.99
Other Vegetables	52.56	3.69	7.01	*	*	*	4.23	1.55	36.74	*	*	*	20.53	2.05	9.99
ALL TEMPORARY	4,073.73	134.92	3.31	216.01	20.95	9.70	20.94	8.16	38.95	802.47	72.13	8.99	1,865.10	109.18	5.85
Chat	68.12	5.57	8.18	-	-	-	6.12	1.16	19.03	0.80	0.36	45.58	21.77	3.53	16.21
Coffee	154.60	18.10	11.71	12.39	2.78	22.43	2.35	1.10	46.68	0.59	0.29	49.59	10.16	2.06	20.23
Enset	70.93	10.36	14.60	-	-	-	*	*	*	*	*	*	29.55	5.20	17.61
Cotton	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*
Tobacco	2.60	0.70	27.13	-	-	-	*	*	*	-	-	-	0.81	0.20	24.73
Fruits	8.97	1.60	17.82	*	*	*	0.62	0.19	31.28	-	-	-	1.32	0.28	21.21
Other Permanent	8.11	1.18	14.60	-	-	-	1.72	0.54	31.66	*	*	*	2.27	0.46	20.30
TOTAL PERMANENT	313.36	25.44	8.12	12.40	2.78	22.42	11.07	2.15	19.39	1.66	0.53	31.69	65.89	7.05	10.70
ALL CROPS	4,387.09	133.83	3.05	228.41	20.90	9.15	32.01	9.35	29.19	804.13	72.13	8.97	1,930.99	110.16	5.70

TABLE 1.6

ESTIMATES OF TOTAL AREA, IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Somale

TYPE OF CROP	Total Area			Improved Seed Applied			Irrigation applied			Pesticide Applied			Fertilizer Applied		
	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)
CEREALS	57.95	11.28	19.47	0.43	0.17	40.37	0.69	0.12	17.80	*	*	*	*	*	*
Teff	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Barely	3.22	1.06	32.91	*	*	*	-	-	-	-	-	-	*	*	*
Wheat	3.45	1.09	31.59	*	*	*	*	*	*	-	-	-	0.23	0.11	49.39
Maize	26.57	6.13	23.07	*	*	*	0.18	0.05	27.21	-	-	-	*	*	*
Sorghum	24.51	6.90	28.17	*	*	*	0.49	0.12	24.88	*	*	*	0.30	0.12	41.23
Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats	0.15	0.06	39.67	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	0.88	0.20	22.99	-	-	-	*	*	*	-	-	-	0.04	0.02	43.03
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	0.70	0.18	25.93	-	-	-	*	*	*	-	-	-	0.04	0.02	43.03
Field Peas	0.15	0.07	47.70	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	-	-	-	*	*	*	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	-	*	*	*	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	0.50	0.19	37.40	*	*	*	0.08	0.03	42.59	*	*	*	*	*	*
Fenugreek	0.07	0.03	47.28	-	-	-	-	-	-	-	-	-	-	-	-
Spices	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*
Other Vegetables	0.38	0.16	41.93	*	*	*	0.08	0.03	46.12	*	*	*	*	*	*
ALL TEMPORARY	60.17	11.49	19.10	0.47	0.17	37.02	0.85	0.15	17.13	*	*	*	*	*	*
Chat	3.76	1.19	31.71	-	-	-	*	*	*	-	-	-	*	*	*
Coffee	*	*	*	-	-	-	*	*	*	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	0.35	0.12	35.50	*	*	*	0.34	0.10	29.79	-	-	-	*	*	*
Other Permanent	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	4.12	1.18	28.71	*	*	*	0.45	0.11	25.27	-	-	-	*	*	*
ALL CROPS	64.29	11.85	18.43	0.47	0.17	36.63	1.30	0.22	16.80	*	*	*	*	*	*

TABLE 1.7

ESTIMATES OF TOTAL AREA, IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Benshangul-Gumuz

TYPE OF CROP	Total Area			Improved Seed Applied			Irrigation applied			Pesticide Applied			Fertilizer Applied		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
CEREALS	129.99	12.61	9.70	4.49	1.05	23.37	*	*	*	*	*	*	20.20	3.69	18.29
Teff	16.95	3.62	21.38	-	-	-	-	-	-	-	-	-	5.50	2.39	43.50
Barely	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*
Wheat	*	*	*	*	*	*	-	-	-	-	-	-	*	*	*
Maize	26.67	2.69	10.10	4.45	1.05	23.66	*	*	*	0.77	0.31	40.25	10.97	1.71	15.56
Sorghum	61.07	6.75	11.06	-	-	-	*	*	*	*	*	*	0.36	0.15	42.12
Millet	22.69	5.88	25.89	-	-	-	-	-	-	*	*	*	*	*	*
Oats	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	5.09	1.29	25.35	-	-	-	-	-	-	-	-	-	0.79	0.32	40.14
Horse Beans	1.04	0.35	33.45	-	-	-	-	-	-	-	-	-	0.53	0.23	43.17
Chick Peas	0.37	0.16	43.41	-	-	-	-	-	-	-	-	-	*	*	*
Haricot Beans	3.16	1.23	38.90	-	-	-	-	-	-	-	-	-	0.05	0.02	32.89
Field Peas	0.43	0.20	46.81	-	-	-	-	-	-	-	-	-	*	*	*
Lentils	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*
Vetch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	37.31	5.63	15.08	-	-	-	*	*	*	*	*	*	0.22	0.07	33.71
Neug	24.81	5.28	21.27	-	-	-	*	*	*	*	*	*	*	*	*
Lin Seed	0.31	0.06	19.65	-	-	-	-	-	-	*	*	*	0.02	0.01	41.94
Rape seed	0.10	0.04	38.33	-	-	-	-	-	-	-	-	-	*	*	*
Ground Nuts	3.03	1.38	45.48	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	9.01	1.88	20.83	-	-	-	-	-	-	-	-	-	*	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	5.33	1.05	19.63	-	-	-	-	-	-	-	-	-	1.44	0.33	22.67
Fenugreek	0.03	0.01	42.10	-	-	-	-	-	-	-	-	-	*	*	*
Spices	1.77	0.41	22.84	-	-	-	-	-	-	-	-	-	0.86	0.26	30.13
Potatoes	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*
Other Vegetables	3.20	0.91	28.51	-	-	-	-	-	-	-	-	-	0.31	0.12	38.06
ALL TEMPORARY	177.72	17.73	9.97	4.49	1.05	23.35	*	*	*	*	*	*	22.64	4.08	18.02
Chat	0.08	0.03	36.96	-	-	-	*	*	*	-	-	-	0.02	0.01	37.99
Coffee	1.14	0.52	46.08	0.20	0.06	28.47	*	*	*	-	-	-	0.33	0.09	26.19
Enset	0.01	-	34.44	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	0.06	0.02	34.04	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	0.08	0.02	29.11	-	-	-	-	-	-	-	-	-	0.02	0.01	42.80
Fruits	0.59	0.13	21.11	-	-	-	*	*	*	-	-	-	0.06	0.01	22.70
Other Permanent	0.11	0.03	30.40	-	-	-	0.01	-	35.09	-	-	-	0.05	0.02	37.73
TOTAL PERMANENT	2.06	0.56	27.05	0.20	0.06	28.45	*	*	*	-	-	-	0.49	0.11	21.63
ALL CROPS	179.79	17.71	9.85	4.69	1.03	22.02	*	*	*	*	*	*	23.13	4.09	17.70

TABLE 1.8

ESTIMATES OF TOTAL AREA, IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

(S.N.N.P.R)

TYPE OF CROP	Total Area			Improved Seed Applied			Irrigation applied			Pesticide Applied			Fertilizer Applied		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
CEREALS	904.75	62.87	6.95	76.53	11.30	14.77	3.31	0.71	21.32	126.90	15.25	12.02	386.46	30.35	7.85
Teff	174.36	22.59	12.95	3.84	1.32	34.48	0.34	0.12	35.94	52.01	11.56	22.22	81.54	13.54	16.60
Barely	118.40	27.87	23.54	*	*	*	*	*	*	3.76	0.85	22.69	31.58	7.71	24.41
Wheat	105.79	11.44	10.81	8.57	2.31	26.95	*	*	*	65.87	8.62	13.09	82.79	9.90	11.96
Maize	344.80	28.01	8.12	63.76	10.51	16.49	1.99	0.55	27.48	2.56	0.84	32.89	173.24	20.19	11.65
Sorghum	153.80	15.76	10.25	*	*	*	0.93	0.27	29.26	1.19	0.41	34.54	15.39	2.23	14.49
Millet	7.52	3.62	48.17	-	-	-	-	-	-	1.51	0.65	43.22	1.89	0.72	38.12
Oats	0.09	0.03	34.19	-	-	-	-	-	-	-	-	-	*	*	*
PULSES	161.94	17.65	10.90	*	*	*	0.33	0.11	32.35	0.75	0.33	43.56	51.02	7.97	15.63
Horse Beans	52.15	6.75	12.95	*	*	*	*	*	*	0.41	0.20	49.09	17.20	3.09	17.98
Chick Peas	42.38	10.81	25.52	*	*	*	*	*	*	*	*	*	*	*	*
Haricot Beans	58.86	7.76	13.18	*	*	*	0.31	0.10	33.90	*	*	*	23.63	4.99	21.13
Field Peas	6.70	2.78	41.50	-	-	-	-	-	-	*	*	*	9.13	3.77	41.32
Lentils	0.61	0.10	16.74	-	-	-	-	-	-	*	*	*	0.23	0.07	28.91
Vetch	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*
OILSEEDS	5.93	1.20	20.32	-	-	-	*	*	*	*	*	*	1.82	0.40	21.84
Neug	*	*	*	-	-	-	-	-	-	*	*	*	*	*	*
Lin Seed	1.51	0.52	34.08	-	-	-	-	-	-	*	*	*	0.14	0.05	38.66
Rape seed	2.17	0.55	25.47	-	-	-	*	*	*	-	-	-	1.32	0.35	26.45
Ground Nuts	0.07	0.03	45.50	-	-	-	-	-	-	-	-	-	*	*	*
Sun Flower	0.42	0.11	26.60	-	-	-	-	-	-	-	-	-	*	*	*
Sesame	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	104.69	7.84	7.49	0.17	0.06	37.29	0.27	0.12	43.20	4.71	2.17	46.13	62.30	5.66	9.08
Fenugreek	0.20	0.07	37.25	-	-	-	-	-	-	*	*	*	*	*	*
Spices	25.22	4.66	18.46	-	-	-	-	-	-	4.39	2.17	49.34	15.77	3.59	22.75
Potatoes	12.19	1.90	15.62	-	-	-	*	*	*	*	*	*	8.08	1.46	18.02
Other Vegetables	67.08	5.50	8.20	0.17	0.06	37.29	0.24	0.11	44.82	*	*	*	38.32	3.83	10.00
ALL TEMPORARY	1,177.30	75.71	6.43	76.90	11.30	14.69	3.93	0.83	21.06	132.49	15.82	11.94	501.60	37.76	7.53
Chat	21.56	3.97	18.40	-	-	-	0.08	0.03	43.38	1.70	0.42	25.00	9.44	1.73	18.34
Coffee	102.32	13.45	13.15	5.28	1.65	31.21	1.67	0.54	32.58	*	*	*	31.47	3.92	12.44
Enset	192.66	14.89	7.73	-	-	-	1.15	0.37	31.99	*	*	*	145.83	13.18	9.04
Cotton	3.22	1.26	39.28	-	-	-	*	*	*	-	-	-	0.84	0.39	45.94
Tobacco	0.87	0.18	20.90	*	*	*	-	-	-	-	-	-	0.31	0.07	21.94
Fruits	8.65	3.02	34.92	-	-	-	*	*	*	-	-	-	1.75	0.42	23.87
Other Permanent	6.43	1.09	16.93	-	-	-	0.07	0.03	40.51	*	*	*	2.19	0.49	22.47
TOTAL PERMANENT	335.70	22.14	6.60	5.29	1.65	31.12	3.88	1.33	34.22	1.77	0.43	24.00	191.84	14.74	7.68
ALL CROPS	1,513.01	84.92	5.61	82.19	11.41	13.88	7.81	1.92	24.54	134.27	15.88	11.83	693.43	42.92	6.19

TABLE 1.9

ESTIMATES OF TOTAL AREA, IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Gambela

TYPE OF CROP	Total Area			Improved Seed Applied			Irrigation applied			Pesticide Applied			Fertilizer Applied		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
CEREALS	13.44	2.76	20.54	*	*	*	-	-	-	0.04	-	13.33	0.14	0.07	47.23
Teff	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barely	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize	8.79	2.18	24.76	*	*	*	-	-	-	0.02	0.01	35.04	*	*	*
Sorghum	4.54	1.76	38.76	*	*	*	-	-	-	*	*	*	*	*	*
Millet	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	0.03	0.01	42.87	*	*	*	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	3.02	1.16	38.45	*	*	*	-	-	-	*	*	*	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spices	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	2.64	1.16	44.17	*	*	*	-	-	-	*	*	*	-	-	-
ALL TEMPORARY	17.27	3.79	21.95	*	*	*	-	-	-	0.06	0.02	40.00	0.14	0.07	47.23
Chat	0.03	0.01	38.53	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	*	*	*	*	*	*	-	-	-	-	-	-	*	*	*
Enset	0.27	0.12	44.52	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	0.37	0.08	22.54	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	0.09	0.03	30.79	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	6.16	3.05	49.59	*	*	*	-	-	-	-	-	-	*	*	*
ALL CROPS	23.43	5.06	21.62	*	*	*	-	-	-	0.06	0.02	40.00	*	*	*

TABLE 1.10

ESTIMATES OF TOTAL AREA, IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Harari

TYPE OF CROP	Total Area			Improved Seed Applied			Irrigation applied			Pesticide Applied			Fertilizer Applied		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
CEREALS	6.40	0.38	5.87	0.16	0.04	24.12	0.28	0.07	26.68	0.17	0.08	47.79	4.23	0.33	7.71
Teff	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barely	0.06	0.02	37.80	-	-	-	-	-	-	-	-	-	0.04	0.01	33.56
Wheat	0.27	0.07	25.26	0.08	0.03	34.08	-	-	-	-	-	-	0.26	0.07	25.64
Maize	1.08	0.10	8.92	0.08	0.03	40.61	0.06	0.01	23.34	0.03	0.01	47.10	0.79	0.09	11.57
Sorghum	4.99	0.35	6.98	-	-	-	0.22	0.07	30.39	0.14	0.07	49.20	3.13	0.25	8.08
Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	0.09	0.02	24.24	0.01	-	47.66	0.01	-	49.95	-	-	-	0.07	0.02	28.16
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-	*	*	*
Haricot Beans	0.06	0.01	23.02	*	*	*	-	-	-	-	-	-	0.05	0.01	28.59
Field Peas	0.02	0.01	49.18	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	1.19	0.30	25.20	-	-	-	*	*	*	*	*	*	0.32	0.08	25.26
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	1.18	0.29	24.92	-	-	-	*	*	*	*	*	*	0.32	0.08	25.32
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	0.18	0.04	23.06	-	-	-	0.01	-	37.03	-	-	-	0.12	0.03	26.59
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*
Other Vegetables	0.15	0.04	24.93	-	-	-	0.01	-	39.11	-	-	-	0.10	0.03	29.42
ALL TEMPORARY	7.86	0.56	7.10	0.17	0.04	24.06	0.32	0.09	27.20	*	*	*	4.73	0.35	7.30
Chat	2.55	0.22	8.80	-	-	-	0.20	0.05	24.66	0.10	0.03	27.56	1.77	0.22	12.60
Coffee	0.03	0.01	29.32	*	*	*	*	*	*	-	-	-	0.02	0.01	34.94
Enset	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	0.14	0.04	30.77	-	-	-	0.02	0.01	29.23	-	-	-	0.03	0.01	34.56
Other Permanent	*	*	*	-	-	-	*	*	*	-	-	-	-	-	-
TOTAL PERMANENT	2.76	0.20	7.09	*	*	*	0.27	0.05	19.37	0.10	0.03	27.46	1.81	0.22	12.07
ALL CROPS	10.62	0.55	5.21	0.18	0.04	22.35	0.59	0.13	22.00	0.31	0.12	38.61	6.54	0.52	7.96

TABLE 1.11

ESTIMATES OF TOTAL AREA, IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1998 E.C.)

Addis Ababa

TYPE OF CROP	Total Area			Improved Seed Applied			Irrigation applied			Pesticide Applied			Fertilizer Applied		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
CEREALS	9.52	0.97	10.17	0.49	0.11	21.95	-	-	-	0.81	0.12	14.54	9.31	0.98	10.51
Teff	5.29	0.61	11.48	0.18	0.08	43.91	-	-	-	0.72	0.11	14.95	5.26	0.61	11.57
Barely	0.17	0.07	44.14	-	-	-	-	-	-	-	-	-	-	*	*
Wheat	3.99	0.44	11.06	0.31	0.05	16.84	-	-	-	0.09	0.02	23.88	3.96	0.45	11.25
Maize	0.03	0.01	22.00	-	-	-	-	-	-	-	-	-	0.01	-	36.25
Sorghum	0.02	0.01	36.42	-	-	-	-	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats	0.01	-	42.15	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	2.05	0.27	12.95	-	-	-	-	-	-	-	-	-	0.61	0.20	33.40
Horse Beans	0.13	0.05	39.92	-	-	-	-	-	-	-	-	-	*	*	*
Chick Peas	0.02	-	27.91	-	-	-	-	-	-	-	-	-	0.28	0.10	35.45
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	0.83	0.14	16.69	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	0.21	0.03	14.91	-	-	-	-	-	-	-	-	-	0.08	0.02	19.23
Vetch	0.87	0.14	15.64	-	-	-	-	-	-	-	-	-	0.21	0.10	48.38
OilSEEDS	0.01	-	31.04	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	0.01	-	36.17	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	0.49	0.20	39.82	*	*	*	*	*	*	*	*	*	*	*	*
Fenugreek	0.10	0.02	19.45	-	-	-	-	-	-	-	-	-	0.05	0.02	34.36
Spices	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Rotatoes	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ALL TEMPORARY	12.07	1.26	10.41	0.55	0.13	23.90	-	-	-	0.87	0.14	15.61	10.25	1.22	11.91
Orbit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	0.01	-	29.77	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	0.01	-	28.58	-	-	-	-	-	-	-	-	-	-	-	-
ALL CROPS	12.09	1.26	10.40	0.55	0.13	23.90	*	*	*	0.87	0.14	15.61	10.25	1.22	11.91

TABLE 1.12
Dine Data
ESTIMATES OF TOTAL AREA, IMPROVED SEED, IRRIGATION, PESTICIDE AND FERTILIZER APPLIED AREA
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

TYPE OF CROP	Total Area			Improved Seed Applied			Irrigation applied			Pesticide Applied			Fertilizer Applied		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
CEREALS	7.45	0.60	8.04	0.11	0.04	39.16	0.74	0.16	22.01	*	*	*	1.99	0.32	15.95
Teff	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barley	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Maize	0.37	0.05	16.68	-	-	-	0.07	0.02	30.27	-	-	-	0.14	0.04	29.04
Sorghum	7.05	0.59	8.41	0.11	0.04	39.24	0.65	0.16	24.65	*	*	*	1.84	0.30	16.24
Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	0.51	0.12	23.45	-	-	-	0.03	0.01	39.86	-	-	-	0.19	0.05	25.45
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	0.51	0.12	23.49	-	-	-	0.03	0.01	39.86	-	-	-	0.19	0.05	25.45
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	0.05	0.02	38.17	-	-	-	-	-	-	-	-	-	0.03	0.01	48.93
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	*	*	*
Castor Bean	0.02	0.01	46.00	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	0.14	0.03	25.74	-	-	-	0.05	0.02	27.94	-	-	-	0.05	0.02	30.16
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spices	*	*	*	-	-	-	*	*	*	-	-	-	*	*	*
Potatoes	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	0.12	0.03	24.53	-	-	-	0.05	0.01	25.78	-	-	-	0.04	0.01	24.53
ALL TEMPORARY	8.16	0.68	8.29	0.12	0.04	38.42	0.82	0.17	21.23	0.05	0.02	48.31	2.26	0.36	15.75
Chat	0.80	0.14	17.88	-	-	-	0.18	0.05	25.64	0.01	-	47.19	0.28	0.09	31.23
Coffee	0.05	0.02	28.18	0.01	-	49.52	0.05	0.02	28.81	-	-	-	0.02	0.01	37.90
Erset	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	*	-	-	-	*	*	*	-	-	-	*	*	*
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	1.10	0.17	15.82	0.01	-	47.11	0.44	0.13	30.84	*	*	*	0.41	0.12	28.64
ALL CROPS	9.26	0.74	7.99	0.12	0.04	35.99	1.26	0.28	22.13	0.07	0.02	32.00	2.67	0.41	15.49

TABLE 2.1

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

National

TYPE OF CROP	Total			Natural Fertilizer			DAP			UREA			DAP + UREA			NAT + COM		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
CEREALS	3,339.73	130.92	3.92	496.89	21.07	4.24	1,087.90	80.56	7.41	117.83	12.33	10.47	1,533.03	83.48	5.45	104.07	12.95	12.45
Teff	1,146.46	73.85	6.44	33.77	4.07	12.04	360.61	33.43	9.27	71.11	10.85	15.26	664.19	58.02	8.73	16.78	2.90	17.31
Barely	315.39	35.96	11.40	48.16	4.76	9.89	180.93	30.16	16.67	4.56	1.38	30.13	70.64	12.00	16.99	11.09	2.06	18.61
Wheat	746.76	66.79	8.94	22.87	2.51	10.97	311.71	50.98	16.35	12.18	1.79	14.67	379.02	36.18	9.55	20.98	7.44	35.48
Maize	843.64	42.98	5.09	290.47	14.62	5.03	128.92	11.66	9.05	20.11	2.69	13.36	359.85	26.71	7.42	44.28	5.37	12.12
Sorghum	131.94	14.18	10.75	92.15	10.35	11.23	8.52	1.80	21.07	6.50	1.57	24.20	16.80	3.52	20.93	7.97	3.07	38.53
Millet	143.04	19.04	13.31	8.76	1.70	19.41	86.61	15.01	17.33	3.29	1.05	31.97	41.42	6.72	16.23	2.95	0.89	30.35
Oats	12.51	4.25	34.00	0.72	0.25	35.33	10.60	4.11	38.80	*	*	*	1.10	0.54	49.00	*	*	*
PULSES	172.58	14.56	8.44	56.70	3.94	6.96	83.90	11.23	13.38	3.32	0.51	15.36	22.11	3.43	15.50	6.55	2.01	30.61
Horse Beans	87.31	9.31	10.66	33.53	3.04	9.06	42.16	7.81	18.53	0.75	0.27	35.67	7.28	1.08	14.78	3.58	1.55	43.25
Chick Peas	5.19	1.01	19.44	3.83	0.57	14.77	22.39	5.69	25.41	0.53	0.24	45.80	3.30	1.44	43.70	*	*	*
Haricot Beans	39.73	5.95	14.97	15.75	2.14	13.61	13.89	3.50	25.19	1.51	0.29	19.34	6.25	1.48	23.68	2.32	1.00	42.98
Field Peas	30.66	6.30	20.56	2.22	0.49	21.90	1.72	0.74	42.97	*	*	*	0.92	0.31	33.08	*	*	*
Lentils	7.56	2.81	37.15	0.67	0.20	29.25	2.84	0.82	29.03	*	*	*	*	*	*	*	*	*
Vetch	2.14	0.50	23.48	0.70	0.22	31.09	0.90	0.32	35.92	*	*	*	0.36	0.18	48.39	-	-	-
OILSEEDS	37.42	4.58	12.24	13.71	1.58	11.55	15.27	3.29	21.54	1.34	0.36	27.05	5.50	1.26	22.88	1.60	0.54	33.92
Neug	10.12	2.41	23.77	3.95	1.13	28.64	3.85	1.33	34.44	*	*	*	1.83	0.83	45.08	-	-	-
Lin Seed	9.04	2.49	27.53	1.21	0.39	32.04	5.72	2.16	37.81	*	*	*	1.50	0.51	33.80	*	*	*
Rape seed	13.42	2.38	17.72	6.43	0.80	12.36	4.58	2.01	43.90	*	*	*	1.50	0.43	28.46	0.67	0.20	30.21
Ground Nuts	2.40	1.02	42.26	1.35	0.57	42.40	*	*	*	*	*	*	*	*	*	*	*	*
Sun Flower	1.41	0.34	24.16	0.53	0.15	28.66	0.19	0.08	42.04	*	*	*	0.36	0.11	31.56	*	*	*
Sesame	*	*	*	0.21	0.09	42.89	*	*	*	*	*	*	*	*	*	*	*	*
Castor Bean	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	129.61	8.06	6.22	77.70	4.63	5.96	19.86	2.94	14.81	4.72	0.81	17.09	21.33	3.44	16.11	6.00	1.35	22.48
Fenugreek	1.35	0.27	20.08	0.36	0.09	24.07	0.38	0.15	38.64	*	*	*	0.53	0.19	35.29	*	*	*
Spices	32.67	4.41	13.49	11.41	1.35	11.87	6.51	1.71	26.25	2.79	0.72	25.65	10.88	2.80	25.70	1.08	0.29	26.52
Potatoes	30.99	4.63	14.95	11.96	1.45	12.09	9.16	2.24	24.47	0.89	0.27	30.10	5.97	1.90	31.89	3.02	0.97	32.23
Other Vegetables	64.59	4.46	6.91	53.96	3.78	7.00	3.81	0.67	17.62	1.02	0.21	21.04	3.95	0.71	17.84	1.85	0.58	31.34
ALL TEMPORARY	3,679.35	139.44	3.79	645.00	24.47	3.79	1,206.93	87.49	7.25	127.22	12.56	9.87	1,581.98	85.12	5.38	118.22	13.94	11.79
Chat	35.30	4.01	11.37	22.43	2.37	10.57	2.01	0.79	39.08	2.35	0.49	20.85	3.56	0.87	24.48	4.94	1.88	38.05
Coffee	46.10	5.23	11.35	32.41	2.92	9.02	5.21	1.73	33.21	1.20	0.36	29.77	6.13	2.94	47.97	1.14	0.51	44.63
Enset	175.38	14.17	8.08	171.25	13.79	8.05	1.44	0.52	36.43	0.30	0.10	32.07	0.47	0.15	32.59	1.92	0.71	37.28
Cotton	1.62	0.55	33.76	0.95	0.39	41.12	*	*	*	*	*	*	*	*	*	*	*	*
Tobacco	1.25	0.22	17.66	1.24	0.22	17.80	*	*	*	-	-	-	-	-	-	-	-	-
Fruits	3.48	0.52	14.86	2.98	0.47	15.83	*	*	*	*	*	*	0.12	0.05	40.73	*	*	*
Other Permanent	7.08	0.79	11.17	6.46	0.74	11.50	0.19	0.07	35.70	*	*	*	0.20	0.07	34.52	0.14	0.07	46.41
TOTAL PERMANENT	270.22	16.61	6.15	237.72	14.92	6.27	9.34	2.77	29.64	4.30	0.64	14.82	10.64	3.17	29.77	8.22	2.26	27.53
ALL CROPS	3,949.56	141.79	3.59	882.72	30.12	3.41	1,216.26	87.57	7.20	131.52	12.67	9.63	1,592.62	85.20	5.35	126.44	14.85	11.74

TABLE 2.2

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Tigray

TYPE OF CROP	Total			Natural Fertilizer			DAP			UREA			DAP + UREA			NAT + COM		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
CEREALS	236.72	19.11	8.07	90.49	10.76	11.89	7.30	1.69	23.20	5.42	1.04	19.26	115.52	10.51	9.10	18.00	2.66	14.78
Teff	70.66	8.55	12.11	6.53	1.80	27.57	3.25	1.31	40.32	2.57	0.76	29.72	55.64	7.60	13.65	2.68	0.74	27.73
Barely	30.19	4.12	13.66	10.99	1.93	17.61	1.58	0.66	41.89	0.76	0.23	30.77	12.82	2.30	17.98	4.04	0.96	23.68
Wheat	34.30	4.12	12.02	7.17	1.23	17.10	1.24	0.51	41.54	1.36	0.61	45.13	20.28	2.79	13.76	4.25	0.85	20.02
Maize	36.27	5.55	15.30	26.92	4.34	16.14	*	*	*	*	*	*	*	*	*	4.89	1.50	30.72
Sorghum	39.28	9.46	24.09	32.95	7.64	23.18	*	*	*	*	*	*	*	*	*	4.89	2.14	43.75
Millet	26.02	5.18	19.89	5.93	1.43	24.05	*	*	*	0.35	0.16	46.03	17.00	4.11	24.17	2.15	0.76	35.33
Oats	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	5.89	0.88	14.88	4.50	0.73	16.13	0.25	0.12	45.94	*	*	*	0.87	0.25	28.45	0.23	0.10	43.95
Horse Beans	3.37	0.71	21.03	2.40	0.55	22.75	*	*	*	*	*	*	0.60	0.22	37.27	*	*	*
Chick Peas	1.14	0.29	25.37	0.32	0.12	38.50	*	*	*	-	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-
Field Peas	0.36	0.13	37.42	0.99	0.28	28.02	*	*	*	-	-	-	-	-	-	-	-	-
Lentils	0.36	0.17	46.92	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	0.36	0.15	42.64	0.31	0.15	46.96	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	1.63	0.69	42.06	0.60	0.21	34.88	*	*	*	-	-	-	-	-	-	-	-	-
Neug	0.31	0.12	40.57	0.28	0.12	43.50	*	*	*	-	-	-	-	-	-	-	-	-
Lin Seed	*	*	*	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	-	*	*	*	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	0.54	0.15	28.49	0.35	0.10	27.79	-	-	-	*	*	*	*	*	*	0.05	0.02	46.22
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spices	0.20	0.06	31.19	0.17	0.05	31.98	-	-	-	*	*	*	*	*	*	*	*	*
Potatoes	0.11	0.06	49.61	0.05	0.02	44.66	-	-	-	*	*	*	*	*	*	*	*	*
Other Vegetables	0.23	0.11	47.73	0.14	0.06	47.43	-	-	-	-	-	-	-	-	-	-	-	-
ALL TEMPORARY	244.78	19.16	7.83	95.94	10.83	11.28	8.14	1.72	21.10	5.48	1.04	18.90	116.94	10.58	9.05	18.28	2.69	14.73
Chat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	*	*	*	*	*	*	-	-	-	-	-	-	*	*	*	-	-	-
TOTAL PERMANENT	0.10	0.04	44.07	0.08	0.04	44.66	-	-	-	-	-	-	*	*	*	-	-	-
ALL CROPS	244.88	19.16	7.82	96.03	10.83	11.28	8.14	1.72	21.10	5.48	1.04	18.90	116.95	10.58	9.05	18.28	2.69	14.72

TABLE 2.3

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1995 E.C.)

Afar

TYPE OF CROP	Total			Natural Fertilizer			DAP			UREA			DAP + UREA			NAT + COM		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
CEREALS	2.95	0.98	33.32	0.88	0.21	23.85	0.95	0.41	43.14	0.06	0.03	49.71	1.06	0.42	39.76	-	-	-
Teff	2.14	0.91	42.69	*	*	*	0.89	0.36	39.90	0.06	0.03	49.71	1.00	0.40	40.49	-	-	-
Barely	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize	0.25	0.09	34.96	0.23	0.07	30.27	-	-	-	-	-	-	*	*	*	-	-	-
Sorghum	0.53	0.19	36.88	0.43	0.18	42.78	*	*	*	-	-	-	0.04	0.01	29.20	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	0.02	0.01	41.79	0.01	-	41.53	-	-	-	-	-	-	*	*	*	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-	*	*	*	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	*	*	*	*	*	*	*	*	0.03	0.01	40.10	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	*	*	*	*	*	*	*	*	0.03	0.01	40.10	-	-	-
Sesame	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL TEMPORARY	3.16	1.07	33.94	0.93	0.22	23.30	1.03	0.47	45.32	0.10	0.01	11.72	1.10	0.43	39.08	-	-	-
Chat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL CROPS	3.16	1.07	33.94	0.93	0.22	23.30	1.03	0.47	45.32	0.10	0.01	11.72	1.10	0.43	39.08	-	-	-

TABLE 2.4

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Amhara

TYPE OF CROP	Total			Natural Fertilizer			DAP			UREA			DAP + UREA			NAT + COM		
	Estimate (¹ 000HA)	S.E. (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E. (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E. (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E. (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E. (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E. (¹ 000)	C.V. (%)
CEREALS	956.04	71.89	7.52	141.30	10.35	7.33	218.05	28.93	13.27	52.73	8.10	15.35	519.57	50.52	9.72	24.40	3.57	14.64
Teff	432.32	43.19	9.99	14.60	3.08	21.08	120.16	21.55	17.93	39.97	7.07	17.68	249.17	30.47	12.23	8.42	2.13	25.30
Barely	44.58	6.22	13.95	17.10	2.58	15.11	10.08	2.29	22.75	*	*	*	13.80	4.03	29.24	1.26	0.55	43.28
Wheat	135.38	26.35	19.46	5.18	0.95	18.31	9.44	3.15	33.38	4.95	1.26	25.42	114.02	24.79	21.74	1.80	0.64	35.63
Maize	236.49	22.88	9.68	90.91	7.12	7.83	11.98	2.89	24.12	2.74	0.62	22.48	118.86	16.97	14.28	12.00	2.82	23.52
Sorghum	13.85	4.04	29.18	11.11	3.91	35.21	*	*	*	*	*	*	1.32	0.49	37.05	*	*	*
Millet	93.03	16.94	18.21	2.33	0.90	38.76	65.57	13.56	20.69	2.36	1.02	43.07	22.10	5.27	23.86	*	*	*
Oats	0.39	0.18	46.83	0.07	0.03	47.58	-	-	-	*	*	*	*	*	*	-	-	-
PULSES	29.93	4.44	14.82	12.97	2.02	15.55	10.57	2.57	24.30	0.64	0.22	33.91	5.72	2.43	42.42	*	*	*
Horse Beans	17.33	2.54	14.68	10.31	1.89	18.31	4.88	1.33	27.28	0.13	0.07	49.66	1.97	0.62	31.31	*	*	*
Chick Peas	1.40	0.47	33.35	0.98	0.30	30.78	4.13	1.64	39.58	*	*	*	0.21	0.10	47.83	-	-	-
Haricot Beans	0.77	0.28	36.59	0.68	0.28	40.74	*	*	*	*	*	*	*	*	*	-	-	-
Field Peas	5.52	1.71	30.99	*	*	*	*	*	*	*	*	*	*	*	*	-	-	-
Lentils	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	-	-
Vetch	0.93	0.39	42.09	*	*	*	*	*	*	-	-	-	*	*	*	-	-	-
OILSEEDS	14.67	2.82	19.22	6.86	1.29	18.89	3.31	1.29	38.83	0.64	0.28	43.75	3.35	1.14	34.05	0.52	0.18	35.29
Neug	7.43	2.26	30.39	2.72	1.07	39.38	2.42	1.12	46.36	*	*	*	1.81	0.83	45.70	-	-	-
Lin Seed	0.99	0.43	43.59	*	*	*	*	*	*	-	-	-	*	*	*	-	-	-
Rape seed	5.01	0.83	16.49	3.20	0.59	18.41	*	*	*	*	*	*	1.01	0.37	36.95	0.32	0.14	42.56
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	0.95	0.30	31.90	0.39	0.15	37.29	*	*	*	*	*	*	0.22	0.10	43.87	*	*	*
Sesame	*	*	*	*	*	*	-	-	-	-	-	-	*	*	*	*	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	21.62	2.69	12.44	9.87	1.12	11.35	3.01	0.91	30.13	2.36	0.70	29.85	5.14	1.47	28.51	1.24	0.50	40.54
Fenugreek	0.26	0.12	45.39	0.09	0.05	49.93	*	*	*	-	-	-	*	*	*	-	-	-
Spices	9.44	1.98	20.94	4.23	0.60	14.08	0.39	0.17	42.43	1.67	0.65	38.98	2.69	1.34	49.58	*	*	*
Potatoes	7.22	1.52	21.10	3.02	0.76	25.11	2.17	0.83	38.09	0.47	0.23	47.87	1.25	0.54	43.09	*	*	*
Other Vegetables	4.71	0.97	20.52	2.53	0.32	12.66	0.44	0.21	47.68	0.21	0.07	35.22	1.04	0.36	34.49	*	*	*
ALL TEMPORARY	1,022.26	75.56	7.39	171.00	11.80	6.90	234.94	30.19	12.85	56.36	8.21	14.57	533.77	52.03	9.75	26.19	3.77	14.38
Chat	0.91	0.43	46.58	0.91	0.42	46.47	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	1.08	0.30	27.88	1.03	0.29	28.25	-	-	-	-	-	-	*	*	*	*	*	*
Enset	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tobacco	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	0.17	0.08	45.15	0.17	0.08	44.96	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	2.49	0.41	16.48	2.40	0.40	16.61	-	-	-	-	-	-	*	*	*	*	*	*
TOTAL PERMANENT	5.51	0.86	15.63	4.69	0.77	16.49	*	*	*	*	*	*	0.20	0.09	45.99	*	*	*
ALL CROPS	1,027.77	75.69	7.36	175.69	12.02	6.84	235.18	30.19	12.84	56.65	8.25	14.57	533.98	52.02	9.74	26.28	3.77	14.35

TABLE 2.5

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Oromia

TYPE OF CROP	Total			Natural Fertilizer			DAP			UREA			DAP + UREA			NAT + COM		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
CEREALS	1,719.42	103.29	6.01	179.07	12.48	6.97	685.15	72.84	10.66	42.18	8.24	19.53	763.17	64.48	8.45	51.85	11.96	23.06
Teff	549.03	57.66	10.50	9.02	1.51	16.76	182.87	22.87	12.51	23.12	7.95	34.37	328.77	48.55	14.77	5.25	1.80	34.21
Barely	208.36	34.32	16.47	13.41	2.39	17.80	150.09	29.46	19.63	0.86	0.35	40.63	38.96	10.86	27.88	5.04	1.69	33.49
Wheat	488.92	60.43	12.36	6.97	1.29	18.53	261.03	50.55	19.37	5.05	1.10	21.70	201.26	25.40	12.62	*	*	*
Maize	383.65	29.68	7.74	116.42	10.49	9.01	55.59	7.54	13.56	7.89	1.26	15.98	182.85	18.93	10.35	20.90	3.75	17.92
Sorghum	57.25	9.49	16.57	32.20	5.37	16.69	4.94	1.65	33.42	4.84	1.53	31.66	9.36	2.74	29.26	*	*	*
Millet	20.12	6.88	34.21	0.40	0.20	48.95	18.08	6.37	35.22	0.36	0.17	48.22	1.17	0.45	38.33	*	*	*
Oats	12.08	4.25	35.19	0.65	0.25	38.72	10.56	4.11	38.93	*	*	*	*	*	*	*	*	*
PULSES	84.04	11.31	13.46	21.33	2.37	11.11	46.66	9.52	20.41	1.76	0.42	23.79	9.73	2.02	20.73	4.55	1.79	39.28
Horse Beans	48.83	8.37	17.13	14.29	1.91	13.35	27.93	7.40	26.49	*	*	*	3.45	0.79	22.97	*	*	*
Chick Peas	1.54	0.72	46.61	1.60	0.40	25.05	11.06	4.23	38.21	*	*	*	*	*	*	*	*	*
Haricot Beans	14.69	3.21	21.87	5.09	1.06	20.76	4.53	1.94	42.89	0.88	0.24	27.31	2.68	0.86	31.90	*	*	*
Field Peas	15.49	4.75	30.66	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lentils	2.87	0.69	24.20	0.15	0.07	46.97	1.71	0.55	32.04	*	*	*	0.99	0.30	30.47	*	*	*
Vetch	0.61	0.25	41.47	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OILSEEDS	18.53	3.52	18.99	5.00	0.86	17.21	10.73	2.97	27.70	0.44	0.20	45.24	1.48	0.46	30.77	*	*	*
Noug	2.01	0.80	39.70	0.72	0.32	44.73	*	*	*	*	*	*	*	*	*	*	*	*
Lin Seed	7.16	2.42	33.72	*	*	*	5.30	2.14	40.36	*	*	*	0.89	0.40	45.11	*	*	*
Rape seed	7.03	2.20	31.33	2.59	0.52	19.89	*	*	*	*	*	*	0.41	0.20	49.82	*	*	*
Ground Nuts	2.04	1.01	49.64	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Sun Flower	0.15	0.07	42.55	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Sesame	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Castor Bean	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
OTHERS	43.11	5.05	11.72	23.82	2.18	9.13	7.89	2.15	27.30	0.91	0.23	25.04	6.77	1.86	27.47	3.72	1.23	33.08
Fenugreek	0.91	0.24	25.77	0.24	0.07	30.25	0.33	0.15	44.74	*	*	*	*	*	*	*	*	*
Spices	6.39	1.61	25.13	4.02	0.86	21.35	0.91	0.39	42.91	*	*	*	0.96	0.43	45.12	0.26	0.10	38.46
Potatoes	15.27	4.12	26.99	3.81	0.81	21.33	5.05	2.01	39.84	0.36	0.14	38.51	3.51	1.75	49.84	2.53	0.96	37.78
Other Vegetables	20.53	2.05	9.99	15.74	1.66	10.53	1.60	0.44	27.42	0.29	0.08	27.35	2.02	0.53	26.06	0.88	0.37	42.72
ALL TEMPORARY	1,865.10	109.18	5.85	229.22	14.19	6.19	748.44	79.10	10.57	45.29	8.35	18.44	781.15	65.07	8.33	60.99	12.87	21.10
Chat	21.77	3.53	16.21	12.11	1.67	13.80	0.78	0.22	28.12	1.74	0.47	27.22	2.89	0.85	29.51	4.24	1.88	44.26
Coffee	10.16	2.06	20.23	7.15	1.46	20.41	0.81	0.39	48.38	*	*	*	*	*	*	*	*	*
Enset	29.55	5.20	17.61	29.35	5.11	17.40	*	*	*	*	*	*	*	*	*	*	*	*
Cotton	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tobacco	0.81	0.20	24.73	0.80	0.20	25.05	*	*	*	*	*	*	*	*	*	*	*	*
Fruits	1.32	0.28	21.21	1.07	0.23	21.07	*	*	*	*	*	*	*	*	*	*	*	*
Other Permanent	2.27	0.46	20.30	2.07	0.44	21.24	*	*	*	*	*	*	*	*	*	*	*	*
TOTAL PERMANENT	65.89	7.05	10.70	52.54	6.10	11.61	1.84	0.54	29.23	2.12	0.49	23.17	4.77	1.36	28.47	4.62	1.89	40.86
ALL CROPS	1,930.99	110.16	5.70	281.77	16.47	5.84	750.27	79.09	10.54	47.41	8.45	17.81	785.93	65.12	8.29	65.62	13.70	20.88

TABLE 2.6

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Somalia

TYPE OF CROP	Total			Natural Fertilizer			DAP			UREA			DAP + UREA			NAT + COM		
	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)
CEREALS	*	*	*	*	*	*	*	*	*	0.07	0.03	45.60	*	*	*	*	*	*
Teff	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barely	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	0.23	0.11	49.39	*	*	*	*	*	*	*	*	*	-	-	-	*	*	*
Maize	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	-	-
Sorghum	0.30	0.12	41.23	0.30	0.12	41.00	-	-	-	-	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	0.04	0.02	43.03	0.04	0.02	42.34	-	-	-	-	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	0.04	0.02	43.03	0.04	0.02	42.34	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
ALL TEMPORARY	*	*	*	*	*	*	*	*	*	0.07	0.03	45.60	*	*	*	*	*	*
Chat	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
ALL CROPS	*	*	*	*	*	*	*	*	*	0.07	0.03	42.87	*	*	*	*	*	*

TABLE 2.7

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Banshangul-Gumuz

TYPE OF CROP	Total			Natural Fertilizer			DAP			UREA			DAP + UREA			NAT + COM		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
CEREALS																		
Teff	20.20	3.69	18.29	7.12	1.19	16.72	4.92	1.73	35.18	0.47	0.16	32.91	7.09	1.42	20.09	0.60	0.24	40.54
Barely	5.50	2.39	43.50	*	*	*	*	*	*	0.20	0.08	42.20	*	*	*	-	-	-
Wheat	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	-	-
Maize	10.97	1.71	15.56	5.14	0.63	12.23	0.29	0.10	34.75	0.13	0.05	42.89	4.82	1.18	24.47	0.60	0.24	40.54
Sorghum	0.36	0.15	42.12	0.28	0.13	44.74	*	*	*	*	*	*	*	*	*	-	-	-
Millet	*	*	*	*	*	*	1.50	0.74	49.08	*	*	*	*	*	*	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PULSES																		
Horse Beans	0.79	0.32	40.14	0.76	0.30	40.15	*	*	*	-	-	-	*	*	*	*	*	*
Chick Peas	0.53	0.23	43.17	0.53	0.23	42.95	*	*	*	-	-	-	*	*	*	*	*	*
Haricot Beans	*	*	*	*	*	*	*	*	*	-	-	-	*	*	*	*	*	*
Field Peas	0.05	0.02	32.89	0.05	0.02	33.75	-	-	-	-	-	-	*	*	*	-	-	-
Lentils	*	*	*	*	*	*	*	*	*	-	-	-	*	*	*	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS																		
Noug	0.22	0.07	33.71	0.15	0.06	41.22	0.05	0.01	43.22	*	*	*	*	*	*	*	*	*
Lin Seed	0.02	0.01	41.94	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-
Rape seed	*	*	*	0.05	0.01	46.18	*	*	*	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	1.44	0.33	22.67	0.68	0.19	27.82	0.24	0.11	47.49	0.26	0.09	35.56	0.16	0.06	38.12	0.10	0.05	48.93
Fenugreek	*	*	*	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-
Spices	0.86	0.26	30.13	0.29	0.11	38.62	0.13	0.05	40.37	0.24	0.09	38.70	0.15	0.06	40.33	*	*	*
Potatoes	*	*	*	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-
Other Vegetables	0.31	0.12	38.06	0.17	0.04	22.44	*	*	*	*	*	*	*	*	*	-	-	-
ALL TEMPORARY	22.64	4.08	18.02	8.70	1.48	17.00	5.19	1.71	33.01	0.74	0.20	27.33	7.27	1.41	19.40	0.72	0.26	36.04
Chat	0.02	0.01	37.99	0.02	0.01	37.60	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	0.33	0.09	26.19	0.33	0.08	25.96	-	-	-	-	-	-	-	-	-	-	-	-
Erset	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	0.02	0.01	42.80	0.02	0.01	42.52	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	0.06	0.01	22.70	0.06	0.01	21.97	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	0.05	0.02	37.73	0.05	0.02	37.60	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	0.49	0.11	21.63	0.48	0.10	21.11	-	-	-	-	-	-	-	-	-	-	-	-
ALL CROPS	23.13	4.09	17.70	9.18	1.50	16.28	5.19	1.71	33.01	0.75	0.20	27.15	7.28	1.41	19.40	0.73	0.26	36.01

TABLE 2.8

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

(S.N.N.P.R)

TYPE OF CROP	Total			Natural Fertilizer			DAP			UREA			DAP + UREA			NAT + COM		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
CEREALS	386.46	30.35	7.85	72.69	7.90	10.86	173.11	18.49	10.68	15.78	4.19	26.55	117.07	12.06	10.30	7.81	2.22	28.37
Teff	81.54	13.54	16.60	2.10	0.87	41.43	50.95	11.23	22.05	5.14	2.02	39.41	22.96	4.67	20.33	*	*	*
Barely	31.58	7.71	24.41	6.42	2.56	39.88	18.93	5.97	31.51	*	*	*	4.91	2.11	43.01	*	*	*
Wheat	82.79	9.90	11.96	3.26	1.49	45.54	39.40	5.74	14.58	0.63	0.17	26.24	39.33	6.44	16.37	*	*	*
Maize	173.24	20.19	11.65	48.80	5.73	11.73	60.83	8.42	13.84	8.91	2.29	25.67	48.27	7.95	16.48	6.42	2.15	33.45
Sorghum	15.39	2.23	14.49	12.02	2.09	17.40	2.08	0.42	19.98	0.43	0.16	36.82	0.78	0.20	25.79	*	*	*
Millet	1.89	0.72	38.12	*	*	*	0.89	0.28	31.13	*	*	*	*	*	*	*	*	*
Oats	*	*	*	-	-	-	*	*	*	-	-	-	-	-	-	-	-	-
PULSES	51.02	7.97	15.63	16.85	2.29	13.60	26.00	5.36	20.62	0.87	0.19	22.18	5.61	1.32	23.48	*	*	*
Horse Beans	17.20	3.09	17.98	5.97	1.29	21.62	9.17	2.11	23.06	*	*	*	1.26	0.32	25.31	*	*	*
Chick Peas	*	*	*	0.78	0.22	27.98	7.16	3.44	48.01	*	*	*	0.82	0.37	45.09	*	*	*
Haricot Beans	23.63	4.99	21.13	9.49	1.84	19.40	9.34	2.91	31.17	0.61	0.17	27.38	3.47	1.21	34.80	*	*	*
Field Peas	9.13	3.77	41.32	0.51	0.24	47.75	*	*	*	*	*	*	-	-	-	-	-	-
Lentils	0.23	0.07	28.91	0.08	0.03	44.64	0.09	0.03	36.52	*	*	*	0.06	0.02	43.21	-	-	-
Vetch	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	1.82	0.40	21.84	0.84	0.19	22.64	0.51	0.17	33.23	*	*	*	0.16	0.06	39.07	*	*	*
Neug	*	*	*	*	*	*	*	*	*	-	-	-	*	*	*	-	-	-
Lin Seed	0.14	0.05	38.66	*	*	*	*	*	*	-	-	-	*	*	*	-	-	-
Rape seed	1.32	0.35	26.45	0.61	0.14	22.55	0.32	0.12	38.64	*	*	*	*	*	*	*	*	*
Ground Nuts	*	*	*	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	62.30	5.66	9.08	42.78	3.92	9.17	8.51	1.77	20.85	1.13	0.31	27.14	9.04	2.49	27.57	0.85	0.22	26.34
Fenugreek	*	*	*	*	*	*	*	*	*	-	-	-	*	*	*	-	-	-
Spices	15.77	3.59	22.75	2.70	0.85	31.66	5.08	1.65	32.57	0.62	0.24	38.61	7.06	2.42	34.22	0.31	0.13	42.54
Potatoes	8.08	1.46	18.02	4.84	0.92	18.91	1.92	0.54	28.02	*	*	*	1.16	0.52	44.82	*	*	*
Other Vegetables	38.32	3.83	10.00	35.22	3.38	9.59	1.49	0.43	28.80	0.47	0.18	39.30	0.74	0.30	40.48	0.42	0.16	38.53
ALL TEMPORARY	501.60	37.76	7.53	133.16	11.71	8.79	208.12	21.90	10.52	17.94	4.41	24.59	131.87	13.76	10.43	10.51	2.68	25.48
Chat	9.44	1.73	18.34	7.54	1.49	19.73	*	*	*	*	*	*	0.46	0.18	38.20	0.07	0.03	48.83
Coffee	31.47	3.92	12.44	23.87	2.52	10.54	4.40	1.69	38.32	0.89	0.32	36.32	1.47	0.47	31.69	*	*	*
Enset	145.83	13.18	9.04	141.91	12.81	9.03	1.40	0.52	37.24	0.30	0.10	32.07	0.40	0.15	37.30	1.82	0.71	39.14
Cotton	0.84	0.39	45.94	0.84	0.39	45.91	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	0.31	0.07	21.94	0.31	0.07	21.86	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	1.75	0.42	23.87	1.52	0.40	26.11	*	*	*	*	*	*	*	*	*	*	*	*
Other Permanent	2.19	0.49	22.47	1.89	0.45	23.65	0.12	0.05	41.88	*	*	*	*	*	*	*	*	*
TOTAL PERMANENT	191.84	14.74	7.68	177.87	13.57	7.63	7.22	2.71	37.48	1.47	0.36	24.53	2.43	0.67	27.35	2.85	1.24	43.44
ALL CROPS	693.43	42.92	6.19	311.03	19.19	6.17	215.34	22.25	10.33	19.40	4.46	22.96	134.30	13.78	10.26	13.36	3.34	25.02

TABLE 2.9

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1995 E.C.)

Gambela

	Total			Natural Fertilizer			DAP			UREA			DAP + UREA			NAT + COM		
TYPE OF CROP	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
CEREALS	0.14	0.07	47.23	-	-	-	0.03	-	-	0.09	-	-	0.03	0.01	30.31	-	-	-
Teff	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize	*	*	*	-	-	-	0.03	-	-	0.09	-	-	0.02	0.01	34.76	-	-	-
Sorghum	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL TEMPORARY	0.14	0.07	47.23	-	-	-	0.03	-	-	0.09	-	-	0.03	0.01	30.31	-	-	-
Chat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*	-	-	-
ALL CROPS	*	*	*	-	-	-	0.03	-	-	0.09	-	-	*	*	*	-	-	-

TABLE 2.10

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Harari

	Total			Natural Fertilizer			DAP			UREA			DAP + UREA			NAT + COM		
TYPE OF CROP	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
CEREALS	4.23	0.33	7.71	1.36	0.16	11.67	0.15	0.03	23.05	0.91	0.11	12.13	0.54	0.11	20.47	1.27	0.21	16.11
Teff	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barely	0.04	0.01	33.56	-	-	-	-	-	-	0.02	0.01	43.50	0.01	-	26.49	0.01	-	39.08
Wheat	0.26	0.07	25.64	-	-	-	0.03	0.01	36.72	0.07	0.02	34.67	0.10	0.03	29.35	0.07	0.02	29.39
Maize	0.79	0.09	11.57	0.26	0.03	11.68	0.03	0.01	32.02	0.12	0.02	16.90	0.09	0.03	33.60	0.29	0.06	22.04
Sorghum	3.13	0.25	8.08	1.09	0.15	13.40	0.09	0.02	26.20	0.69	0.09	13.05	0.35	0.07	20.82	0.91	0.15	16.90
Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	0.07	0.02	28.16	0.02	0.01	35.80	-	-	-	0.01	-	42.85	0.01	-	37.79	0.03	0.01	40.20
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	0.05	0.01	28.59	0.02	0.01	40.99	-	-	-	*	*	*	0.01	-	43.79	0.02	0.01	43.33
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	0.32	0.08	25.26	0.19	0.05	28.00	*	*	*	0.05	0.02	34.62	*	*	*	0.04	0.02	48.95
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	0.32	0.08	25.32	0.19	0.05	28.07	*	*	*	0.05	0.02	34.62	*	*	*	0.04	0.02	49.17
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	0.12	0.03	26.59	0.04	0.01	30.21	*	*	*	0.02	0.01	32.86	*	*	*	0.03	0.01	36.69
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	*	*	*	-	-	-	*	*	*	-	-	-	-	-	-	-	-	-
Other Vegetables	0.10	0.03	29.42	0.04	0.01	32.34	-	-	-	0.02	0.01	36.49	*	*	*	0.03	0.01	39.67
ALL TEMPORARY	4.73	0.35	7.30	1.61	0.19	11.95	0.16	0.04	24.22	0.98	0.11	11.32	0.60	0.12	20.73	1.38	0.22	16.19
Chat	1.77	0.22	12.60	0.47	0.07	15.67	0.04	0.01	29.06	0.42	0.05	11.90	0.21	0.04	19.20	0.64	0.13	20.54
Coffee	0.02	0.01	34.94	0.01	-	31.10	-	-	-	-	-	-	-	-	-	*	*	*
Enset	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	0.03	0.01	34.56	0.01	-	37.63	-	-	-	-	-	-	*	*	*	*	*	*
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	1.81	0.22	12.07	0.49	0.07	14.95	0.04	0.01	28.28	0.43	0.05	11.69	0.21	0.04	18.84	0.65	0.13	20.11
ALL CROPS	6.54	0.52	7.96	2.10	0.23	10.84	0.21	0.05	22.91	1.41	0.15	10.66	0.81	0.16	19.25	2.02	0.34	16.94

TABLE 2.11

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1995 E.C.)

Addis Ababa

TYPE OF CROP	Total			Natural Fertilizer			DAP			UREA			DAP + UREA			NAT + COM		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
CEREALS	9.31	0.98	10.51	0.01	-	31.74	0.20	0.06	28.61	0.10	0.04	38.61	8.93	0.98	10.98	*	*	*
Teff	5.26	0.61	11.57	-	-	-	0.04	0.01	33.49	0.05	0.02	44.94	5.12	0.60	11.64	*	*	*
Barely	*	*	*	*	*	*	*	*	*	0.01	-	47.79	0.03	0.01	42.24	-	-	-
Wheat	3.96	0.45	11.25	-	-	-	0.11	0.03	25.58	0.04	0.02	43.30	3.78	0.44	11.76	*	*	*
Maize	0.01	-	36.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorghum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	0.61	0.20	33.40	*	*	*	0.42	0.19	46.52	*	*	*	0.15	0.04	29.40	-	-	-
Horse Beans	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	0.28	0.10	35.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	0.19	0.08	43.85	-	-	-	0.08	0.03	41.58	-	-	-
Lentils	0.08	0.02	19.25	-	-	-	0.04	0.01	28.69	-	-	-	0.04	0.01	30.47	-	-	-
Vetch	0.21	0.10	48.38	-	-	-	*	*	*	-	-	-	0.02	0.01	33.47	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	*	*	*	*	*	*	*	*	*	*	*	*	0.10	0.02	21.81	-	-	-
Fenugreek	0.05	0.02	34.36	-	-	-	0.02	0.01	49.92	-	-	-	0.02	0.01	24.39	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	*	*	*	*	*	*	*	*	*	*	*	*	0.08	0.02	28.70	-	-	-
ALL TEMPORARY	10.25	1.22	11.91	0.06	0.02	31.05	0.81	0.25	30.91	0.12	0.04	31.58	9.19	1.00	10.85	*	*	*
Chat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL CROPS	10.25	1.22	11.91	0.07	0.02	29.94	0.81	0.25	30.91	0.12	0.04	31.58	9.19	1.00	10.85	*	*	*

TABLE 2.12

ESTIMATES OF FERTILIZER APPLIED AREA BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Dire Dawa

TYPE OF CROP	Total			Natural Fertilizer			DAP			UREA			DAP + UREA			NAT + COM		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
CEREALS	1.99	0.32	15.95	1.90	0.31	16.40	*	*	*	*	*	*	0.02	-	28.08	*	*	*
Teff	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize	0.14	0.04	29.04	0.14	0.04	30.82	-	-	-	-	-	-	-	-	-	-	-	-
Sorghum	1.84	0.30	16.24	1.76	0.29	16.56	*	*	*	*	*	*	0.02	-	28.66	*	*	*
Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	0.19	0.05	25.45	0.19	0.05	25.79	-	-	-	-	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	0.19	0.05	25.45	0.19	0.05	25.79	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	0.03	0.01	48.93	0.03	0.01	48.93	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	0.05	0.02	30.16	0.05	0.02	30.48	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spices	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	0.04	0.01	24.58	0.04	0.01	24.83	-	-	-	-	-	-	-	-	-	-	-	-
ALL TEMPORARY	2.26	0.36	15.75	2.16	0.35	16.28	*	*	*	*	*	*	0.02	-	21.04	*	*	*
Chat	0.28	0.09	31.23	0.27	0.09	32.40	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	0.02	0.01	37.90	0.02	0.01	39.18	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	*	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	0.41	0.12	28.64	0.40	0.12	29.52	-	-	-	-	-	-	-	-	-	-	-	-
ALL CROPS	2.67	0.41	15.49	2.56	0.41	16.06	*	*	*	*	*	*	0.02	-	23.56	*	*	*

TABLE 3.1

ESTIMATES OF QUANTITY OF FERTILIZER APPLIED BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

National

TYPE OF CROP	Total			DAP			UREA			DAP + UREA		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
CEREALS	3,068.29	160.10	5.22	816.60	61.45	7.53	101.74	10.99	10.81	2,149.95	140.78	6.55
Teff	1,019.31	83.76	8.22	240.91	22.78	9.46	39.05	6.97	17.86	739.35	77.11	10.43
Barely	227.64	27.46	12.05	139.96	22.53	16.10	3.14	0.69	21.95	84.54	12.78	15.12
Wheat	848.06	84.89	10.01	254.70	40.06	15.73	12.40	1.91	15.40	580.96	73.56	12.66
Maize	825.71	66.19	8.01	116.59	11.88	10.19	32.67	5.70	17.45	676.45	57.64	8.52
Sorghum	52.30	12.58	24.05	5.85	0.88	15.11	12.46	3.72	29.81	33.99	8.66	25.48
Millet	87.56	11.91	13.60	52.48	9.51	18.13	1.94	0.66	33.93	33.14	4.92	14.84
Oats	6.12	2.78	36.03	6.12	2.57	41.91	*	*	*	*	*	*
PULSES	132.11	15.88	12.02	72.33	10.37	14.34	10.31	2.93	28.37	49.47	8.89	17.97
Horse Beans	45.21	6.13	13.57	29.30	4.89	16.70	1.27	0.46	35.88	14.64	3.40	23.23
Chick Peas	25.60	6.96	26.89	21.27	6.54	30.77	*	*	*	4.33	1.90	43.93
Haricot Beans	52.50	11.66	22.22	18.18	4.84	26.62	8.43	2.90	34.42	25.89	7.40	28.60
Field Peas	2.12	0.61	27.12	1.12	0.49	43.96	*	*	*	1.00	0.35	35.27
Lentils	2.06	2.24	41.80	2.06	0.62	30.16	*	*	*	*	*	*
Vetch	0.75	0.32	35.93	0.41	0.17	41.83	*	*	*	0.34	0.17	49.78
OILSEEDS	26.42	4.26	16.12	9.65	1.84	19.07	1.75	0.50	28.78	15.02	3.36	22.39
Neug	2.63	0.83	27.48	0.92	0.25	27.37	*	*	*	1.71	0.65	38.27
Lin Seed	2.83	0.75	25.86	1.92	0.65	33.97	*	*	*	0.91	0.35	38.30
Rape seed	15.95	3.62	21.93	5.94	1.67	28.06	*	*	*	10.01	2.84	28.33
Ground Nuts	0.28	*	*	*	*	*	0.28	0.11	37.16	*	*	*
Sun Flower	2.24	0.74	27.72	0.47	0.18	39.42	*	*	*	1.77	0.62	34.98
Sesame	*	*	*	*	*	*	-	-	-	*	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	95.48	11.39	11.93	31.48	4.08	12.97	10.82	2.63	24.27	53.18	7.43	13.97
Fenugreek	0.76	0.21	26.80	0.25	0.09	37.04	*	*	*	0.51	0.15	30.09
Spices	34.93	7.31	20.93	10.10	2.96	29.29	3.51	1.00	28.45	21.32	5.17	24.25
Potatoes	31.18	6.64	21.30	11.48	2.28	19.83	4.35	1.90	43.57	15.35	3.90	25.44
Other Vegetables	28.59	4.44	15.52	9.64	1.78	18.43	2.95	0.72	24.27	16.00	2.98	18.62
ALL TEMPORARY	3,322.30	168.59	5.07	930.05	68.95	7.41	124.63	14.24	11.42	2,267.62	144.73	6.38
Chat	47.80	13.92	29.13	7.19	3.12	43.45	11.44	3.50	30.60	29.17	9.59	32.86
Coffee	26.60	8.24	31.00	14.48	5.99	41.35	3.27	1.31	40.22	8.85	2.33	26.31
Enset	8.81	3.69	33.69	6.02	2.51	41.63	*	*	*	2.79	0.97	34.92
Cotton	*	*	*	*	*	*	*	*	*	*	*	*
Tobacco	*	*	*	*	*	*	-	-	-	-	-	-
Fruits	2.53	0.80	31.62	0.87	0.40	46.51	0.22	0.10	46.80	1.44	0.56	39.16
Other Permanent	2.18	0.76	27.05	0.75	0.28	37.79	*	*	*	1.43	0.46	32.20
TOTAL PERMANENT	92.63	19.91	21.49	29.44	11.41	38.76	18.87	4.14	21.93	44.32	10.19	22.99
ALL CROPS	3,414.93	173.06	5.07	959.49	71.20	7.42	143.50	16.84	11.73	2,311.94	146.50	6.34

TABLE 3.2

ESTIMATES OF QUANTITY OF FERTILIZER APPLIED BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1995 E.C.)

Tigray

TYPE OF CROP	Total			DAP			UREA			DAP + UREA		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
CEREALS	149.67	11.98	8.01	5.45	1.06	19.36	5.02	0.90	17.98	139.20	11.33	8.14
Teff	57.60	7.55	13.11	1.80	0.50	27.50	2.30	0.78	34.16	53.50	7.36	13.76
Barely	24.77	3.98	16.05	1.43	0.44	30.76	0.78	0.20	25.86	22.56	3.68	16.31
Wheat	36.31	5.16	14.22	1.54	0.70	45.52	1.30	0.36	27.99	33.47	4.72	14.11
Maize	11.49	3.20	27.04	*	*	*	*	*	*	11.49	3.10	26.98
Sorghum	3.46	1.08	30.69	0.32	0.16	48.98	*	*	*	3.14	1.06	33.86
Millet	15.04	3.18	20.30	*	*	*	*	*	*	15.04	3.06	20.33
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	1.02	0.52	30.72	*	*	*	*	*	*	1.02	0.27	26.51
Horse Beans	0.62	0.49	40.79	*	*	*	*	*	*	0.62	0.21	34.50
Chick Peas	*	*	*	*	*	*	-	-	-	*	*	*
Haricot Beans	*	*	*	-	-	-	-	-	-	*	*	*
Field Peas	*	*	*	*	*	*	-	-	-	*	*	*
Lentils	*	*	*	-	-	-	-	-	-	*	*	*
Vetch	*	*	*	-	-	-	-	-	-	*	*	*
OILSEEDS	*	0.15	42.77	*	*	*	-	-	-	*	*	*
Neug	*	*	*	*	*	*	-	-	-	-	-	-
Lin Seed	*	*	*	*	*	*	-	-	-	*	*	*
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	*	*	*	*	*	*	-	-	-	*	*	*
Sesame	*	*	*	*	*	*	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	0.33	0.16	46.45	-	-	-	*	*	*	0.33	0.16	49.29
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	*	*	*	-	-	-	*	*	*	*	*	*
Potatoes	*	*	*	-	-	-	*	*	*	*	*	*
Other Vegetables	*	*	*	-	-	-	*	*	*	*	*	*
ALL TEMPORARY	152.06	11.97	7.87	6.03	1.09	18.08	5.20	0.89	17.09	140.83	11.37	8.07
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	*	*	*	-	-	-	-	-	-	*	*	*
TOTAL PERMANENT	*	*	*	-	-	-	-	-	-	*	*	*
ALL CROPS	152.15	11.97	7.87	6.03	1.09	18.08	5.20	0.89	17.09	140.92	11.37	8.07

TABLE 3.3

ESTIMATES OF QUANTITY OF FERTILIZER APPLIED BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Afar

TYPE OF CROP	Total			DAP			UREA			DAP + UREA		
	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)
CEREALS	0.93	0.34	35.95	0.36	0.15	43.03	0.05	0.02	36.18	0.52	0.20	37.99
Teff	0.74	0.25	33.71	0.30	0.10	33.63	0.05	0.02	36.18	0.39	0.15	37.81
Barely	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Maize	*	*	*	*	*	*	-	-	-	-	-	-
Sorghum	0.13	0.09	48.57	*	*	*	-	-	-	0.13	0.06	43.47
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	0.30	0.15	47.15	0.16	0.08	49.49	*	*	*	0.14	0.06	42.57
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	0.14	0.14	48.01	*	*	*	*	*	*	0.14	0.06	42.57
Sesame	*	*	*	*	*	*	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-	-	-	-	-
ALL TEMPORARY	1.25	0.46	37.05	0.52	0.23	43.53	0.07	-	4.65	0.66	0.25	37.28
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-	-	-	-	-
ALL CROPS	1.25	0.46	37.05	0.52	0.23	43.53	0.07	-	4.65	0.66	0.25	37.28

TABLE 3.4

ESTIMATES OF QUANTITY OF FERTILIZER APPLIED BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1995 E.C.)

Amhara

TYPE OF CROP	Total			DAP			UREA			DAP + UREA		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
CEREALS	859.92	95.79	11.13	139.76	18.58	13.29	30.92	6.36	20.56	689.24	86.02	12.48
Teff	335.03	38.19	11.40	68.69	10.40	15.14	21.25	5.54	26.09	245.09	33.29	13.58
Barely	23.36	4.98	21.01	8.98	2.28	25.35	0.80	0.39	48.91	13.58	3.77	27.79
Wheat	206.53	58.92	28.53	10.60	4.06	38.34	4.60	1.30	28.25	191.33	57.50	30.05
Maize	233.04	35.22	15.11	10.33	2.40	23.24	2.62	0.93	35.38	220.09	33.33	15.15
Sorghum	2.77	1.05	30.68	*	*	*	*	*	*	2.77	0.93	33.45
Millet	58.32	10.76	18.44	40.82	8.77	21.48	1.34	0.63	46.80	16.16	3.80	23.53
Oats	*	*	*	-	-	-	*	*	*	*	*	*
PULSES	17.21	4.20	24.40	5.36	1.29	24.16	0.44	0.16	37.01	11.41	3.68	32.23
Horse Beans	10.44	3.28	30.70	2.68	0.86	31.93	*	*	*	7.76	3.11	40.04
Chick Peas	2.05	0.79	38.04	1.75	0.74	42.33	*	*	*	0.30	0.15	49.13
Haricot Beans	*	*	*	*	*	*	*	*	*	*	*	*
Field Peas	*	0.15	42.82	*	*	*	*	*	*	*	*	*
Lentils	*	*	*	*	*	*	*	*	*	*	*	*
Vetch	*	*	*	*	*	*	-	-	-	*	*	*
OILSEEDS	13.31	3.71	26.39	2.33	0.85	36.68	*	*	*	10.98	3.20	29.15
Neug	2.15	0.81	31.94	0.48	0.19	39.74	*	*	*	1.67	0.65	38.94
Lin Seed	*	*	*	*	*	*	-	-	-	*	*	*
Rape seed	9.24	3.09	33.34	1.61	0.80	49.76	*	*	*	7.63	2.68	35.09
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	1.14	0.63	38.69	*	*	*	*	*	*	1.14	0.54	47.12
Sesame	*	*	*	-	-	-	-	-	-	*	*	*
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	19.92	4.84	24.29	4.75	1.23	25.89	3.19	1.03	32.18	11.98	3.62	30.18
Fenugreek	*	*	*	*	*	*	-	-	-	*	*	*
Spices	7.39	3.37	41.75	*	*	*	2.28	0.91	39.96	5.11	2.56	49.99
Potatoes	2.62	1.90	34.19	2.62	0.85	32.35	*	*	*	*	*	*
Other Vegetables	4.70	2.67	43.64	*	*	*	0.45	0.17	38.41	4.25	2.00	46.97
ALL TEMPORARY	911.12	99.10	10.87	152.19	19.90	13.07	35.31	6.46	18.30	723.62	88.13	12.18
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	*	*	*	-	-	-	*	*	*	*	*	*
Enset	*	*	*	-	-	-	-	-	-	*	*	*
Cotton	*	*	*	*	*	*	*	*	*	*	*	*
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	0.74	0.34	44.44	*	*	*	-	-	-	0.74	0.33	45.05
TOTAL PERMANENT	1.69	1.20	39.61	*	*	*	*	*	*	1.69	0.63	37.49
ALL CROPS	914.14	99.01	10.83	152.31	19.89	13.06	36.52	6.58	18.01	725.31	88.12	12.15

TABLE 3.5

ESTIMATES OF QUANTITY OF FERTILIZER APPLIED BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Orania

TYPE OF CROP	Total			DAP			UREA			DAP + UREA		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
CEREALS	1,672.81	124.38	7.43	493.73	55.26	11.19	46.50	7.69	16.54	1,132.58	109.77	9.69
Teff	545.77	73.05	13.39	126.54	17.21	13.60	11.31	3.65	32.27	407.92	69.01	16.92
Barely	147.85	25.24	17.07	105.79	21.19	20.04	0.73	0.31	42.81	41.33	11.00	26.63
Wheat	500.98	59.70	11.92	199.24	39.38	19.76	5.44	1.33	24.40	296.30	44.77	15.11
Maize	420.79	52.22	12.39	42.35	5.33	12.58	18.62	4.94	26.56	359.82	45.48	12.64
Sorghum	38.42	12.46	32.42	3.39	0.80	23.54	10.20	3.70	36.28	24.83	8.53	34.34
Millet	11.57	3.94	34.02	10.34	3.68	35.57	0.14	0.05	39.80	1.09	0.43	39.20
Oats	6.08	2.78	37.38	6.08	2.57	42.21	*	*	*	*	*	*
PULSES	68.13	12.68	18.61	35.22	7.42	21.06	8.07	2.89	35.76	24.84	7.46	30.04
Horse Beans	21.74	4.58	20.55	16.82	4.31	25.63	*	*	*	4.92	1.32	26.87
Chick Peas	10.83	5.49	39.39	10.83	5.04	46.53	*	*	*	*	*	*
Haricot Beans	28.04	9.86	35.14	5.25	2.24	42.73	7.19	2.88	40.07	15.60	6.72	43.04
Field Peas	*	0.57	43.75	*	*	*	-	-	-	*	*	*
Lentils	2.19	0.61	27.94	1.35	0.48	35.57	*	*	*	0.84	0.26	31.39
Vetch	*	*	*	*	*	*	*	*	*	*	*	*
OILSEEDS	8.14	1.73	21.29	4.91	1.36	27.69	0.27	0.12	43.90	2.96	0.98	33.24
Neug	0.29	0.12	41.35	0.29	0.12	40.85	-	-	-	-	-	-
Lin Seed	2.45	0.74	29.30	1.78	0.65	36.40	*	*	*	0.67	0.33	49.57
Rape seed	4.40	1.53	34.20	2.49	1.17	46.81	*	*	*	1.91	0.90	47.03
Ground Nuts	*	*	*	*	*	*	*	*	*	*	*	*
Sun Flower	*	*	*	*	*	*	-	-	-	*	*	*
Sesame	*	*	*	*	*	*	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	36.38	7.78	21.39	9.49	1.97	20.71	5.69	2.36	41.50	21.20	4.62	21.80
Fenugreek	0.47	0.17	36.86	0.20	0.09	45.49	*	*	*	0.27	0.11	42.28
Spices	0.84	1.59	45.16	0.84	0.27	32.10	*	*	*	*	*	*
Potatoes	18.78	5.95	31.72	4.93	1.70	34.61	3.84	1.88	48.97	10.01	3.41	34.07
Other Vegetables	13.62	3.05	22.40	3.53	0.93	26.34	1.42	0.57	40.18	8.67	2.07	23.90
ALL TEMPORARY	1,785.48	130.79	7.32	543.36	60.88	11.20	60.54	11.59	19.14	1,181.58	112.65	9.53
Chat	37.95	13.56	35.73	2.72	0.86	31.67	9.42	3.49	37.00	25.81	9.56	37.05
Coffee	4.72	2.10	39.28	0.61	0.25	40.61	*	*	*	4.11	1.89	46.02
Enset	*	*	*	*	*	*	-	-	-	*	*	*
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	*	*	*	*	*	*	-	-	-	-	-	-
Fruits	1.24	0.64	44.57	*	*	*	*	*	*	1.24	0.55	44.85
Other Permanent	*	0.30	47.20	*	*	*	*	*	*	*	*	*
TOTAL PERMANENT	46.07	13.81	29.98	3.84	0.93	24.36	10.20	3.48	34.13	32.03	9.87	30.83
ALL CROPS	1,831.53	134.73	7.35	547.19	60.90	11.13	70.73	14.37	20.32	1,213.61	114.89	9.47

TABLE 3.6

ESTIMATES OF QUANTITY OF FERTILIZER APPLIED BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Smale

TYPE OF CROP	Total			DAP			UREA			DAP + UREA		
	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)
CEREALS	*	*	*	*	*	*	*	*	*	*	*	*
Teff	-	-	-	-	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	*	*	*	*	*	*	*	*	*	*	*	*
Maize	*	*	*	-	-	-	-	-	-	*	*	*
Sorghum	-	-	-	-	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-	-	-	-	-
ALL TEMPORARY	*	*	*	*	*	*	*	*	*	*	*	*
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	*	*	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	*	*	-	-	-	-	-	-	-	-	-
ALL CROPS	0.01	*	*	*	*	*	0.01	0.01	47.04	*	*	*

TABLE 3.7

ESTIMATES OF QUANTITY OF FERTILIZER APPLIED BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Benshangul-Gumuz

TYPE OF CROP	Total			DAP			UREA			DAP + UREA		
	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)
CEREALS	11.78	2.43	20.59	1.73	0.61	35.23	0.26	0.10	36.42	9.79	2.07	21.14
Teff	*	*	*	*	*	*	*	*	*	*	*	*
Barely	*	*	*	*	*	*	-	-	-	*	*	*
Wheat	*	*	*	*	*	*	*	*	*	*	*	*
Maize	8.68	2.10	23.73	0.33	0.13	39.24	*	*	*	8.35	2.00	24.01
Sorghum	*	*	*	*	*	*	-	-	-	*	*	*
Millet	0.44	*	*	0.44	0.21	47.13	*	*	*	*	*	*
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	*	*	*	*	*	*	-	-	-	*	*	*
Horse Beans	*	*	*	-	-	-	-	-	-	*	*	*
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	*	*	-	-	-	-	-	-	-	-	-
Field Peas	*	*	*	-	-	-	-	-	-	*	*	*
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	*	*	*	*	*	*	*	*	*	-	-	-
Neug	*	*	*	*	*	*	-	-	-	-	-	-
Lin Seed	*	*	*	*	*	*	-	-	-	-	-	-
Rape seed	*	*	*	*	*	*	*	*	*	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	*	*	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	0.37	0.19	35.53	0.26	0.12	47.84	0.11	0.04	34.87	*	*	*
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	0.21	0.15	42.20	0.10	0.04	46.14	0.11	0.04	36.95	*	*	*
Potatoes	*	*	*	*	*	*	-	-	-	-	-	-
Other Vegetables	*	*	*	*	*	*	-	-	-	-	-	-
ALL TEMPORARY	12.50	2.47	19.78	2.10	0.66	31.48	0.39	0.11	28.84	10.01	2.06	20.62
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	*	*	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	*	*	-	-	-	-	-	-	-	-	-
ALL CROPS	12.50	2.47	19.76	2.10	0.66	31.54	0.39	0.11	28.63	10.01	2.06	20.61

TABLE 3.8

ESTIMATES OF QUANTITY OF FERTILIZER APPLIED BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

(S.N.N.P.R)

TYPE OF CROP	Total			DAP			UREA			DAP + UREA		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
CEREALS	344.81	28.79	8.35	174.78	19.39	11.09	15.84	4.50	28.43	154.19	15.27	9.91
Teff	66.02	12.65	19.17	42.91	10.68	24.88	3.98	1.99	49.85	19.13	4.24	22.15
Barely	23.58	8.76	28.07	23.58	7.29	30.94	*	*	*	*	*	*
Wheat	94.71	11.96	12.63	42.83	6.11	14.27	0.73	0.23	31.61	51.15	8.80	17.20
Maize	148.83	19.96	13.41	63.35	10.34	16.32	10.01	2.67	26.70	75.47	11.35	15.04
Sorghum	2.73	0.49	17.94	1.48	0.28	18.87	0.24	0.09	35.88	1.01	0.28	28.08
Millet	0.59	0.53	41.72	0.59	0.18	31.13	*	*	*	*	*	*
Oats	*	*	*	*	*	*	-	-	-	-	-	-
PULSES	44.35	8.57	19.31	31.05	7.12	22.94	1.52	0.42	27.62	11.78	3.13	26.53
Horse Beans	10.67	2.38	21.63	9.35	2.12	22.70	*	*	*	1.32	0.34	25.72
Chick Peas	9.74	4.21	42.91	8.63	4.11	47.61	*	*	*	1.11	0.40	36.40
Haricot Beans	23.25	6.20	26.67	12.84	4.29	33.37	1.09	0.33	29.84	9.32	3.06	32.79
Field Peas	*	*	*	*	*	*	*	*	*	-	-	-
Lentils	0.07	0.03	32.45	0.04	0.01	32.58	*	*	*	0.03	0.01	41.95
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	2.66	1.13	35.40	2.06	0.89	43.22	*	*	*	0.60	0.25	42.03
Neug	*	*	*	*	*	*	-	-	-	*	*	*
Lin Seed	*	*	*	*	*	*	-	-	-	*	*	*
Rape seed	1.77	1.10	41.18	1.77	0.88	49.60	*	*	*	*	*	*
Ground Nuts	*	*	*	-	-	-	-	-	-	*	*	*
Sun Flower	*	*	*	*	*	*	*	*	*	*	*	*
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	37.13	6.74	18.15	16.40	3.33	20.31	1.65	0.52	31.52	19.08	4.55	23.83
Fenugreek	*	*	*	*	*	*	-	-	-	*	*	*
Spices	22.92	6.28	27.42	8.48	2.92	34.45	0.69	0.33	48.06	13.75	4.31	31.38
Potatoes	3.89	2.24	34.10	3.89	1.25	32.09	*	*	*	*	*	*
Other Vegetables	7.51	1.71	22.73	4.00	1.23	30.70	0.92	0.40	42.85	2.59	0.76	29.54
ALL TEMPORARY	429.46	36.61	8.52	224.29	25.50	11.37	19.53	5.07	25.93	185.64	18.73	10.09
Chat	1.34	*	*	*	*	*	*	*	*	1.34	0.52	38.59
Coffee	20.82	7.97	38.28	13.86	5.98	43.13	2.59	1.26	48.77	4.37	1.34	30.65
Enset	8.14	3.67	35.70	5.91	2.51	42.41	*	*	*	2.23	0.91	41.07
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	*	0.47	46.04	*	*	*	*	*	*	*	*	*
Other Permanent	0.55	0.61	46.27	0.55	0.27	47.86	*	*	*	*	*	*
TOTAL PERMANENT	39.29	14.27	36.31	25.23	11.37	45.06	5.67	2.09	36.91	8.39	2.38	28.35
ALL CROPS	468.76	42.86	9.14	249.52	31.03	12.43	25.21	5.68	22.54	194.03	18.91	9.74

TABLE 3.9

ESTIMATES OF QUANTITY OF FERTILIZER APPLIED BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Gambela

TYPE OF CROP	Total			DAP			UREA			DAP + UREA		
	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)
CEREALS	0.26	0.07	27.28	0.02	-	-	0.06	-	-	0.19	0.08	44.53
Teff	-	-	-	-	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Maize	0.19	0.01	6.29	0.02	-	-	0.06	-	-	0.12	0.02	16.30
Sorghum	*	*	*	-	-	-	-	-	-	*	*	*
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-	-	-	-	-
ALL TEMPORARY	0.26	0.07	27.28	0.02	-	-	0.06	-	-	0.19	0.08	44.53
Chat	*	*	*	-	-	-	-	-	-	*	*	*
Coffee	*	*	*	-	-	-	-	-	-	*	*	*
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	-	-	-	-	-	-	*	*	*
ALL CROPS	0.40	0.20	49.70	0.02	-	-	0.06	-	-	*	*	*

TABLE 3.10

ESTIMATES OF QUANTITY OF FERTILIZER APPLIED BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Harari

TYPE OF CROP	Total			DAP			UREA			DAP + UREA		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
CEREALS	6.98	1.21	17.39	0.45	0.08	18.25	2.87	0.41	14.17	3.66	0.81	22.20
Teff	-	-	-	-	-	-	-	-	-	-	-	-
Barely	0.14	0.05	32.34	*	*	*	0.07	0.03	41.29	0.07	0.02	30.04
Wheat	0.84	0.22	26.09	0.10	0.04	36.90	0.24	0.08	33.60	0.50	0.14	27.78
Maize	2.11	0.36	17.23	0.12	0.02	19.65	0.93	0.18	19.86	1.06	0.23	22.05
Sorghum	3.87	0.70	18.07	0.22	0.04	17.71	1.63	0.22	13.24	2.02	0.48	23.57
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	*	*	*	-	-	-	-	-	-	*	*	*
PULSES	0.36	0.13	35.35	0.02	0.01	44.10	0.11	0.03	30.63	0.23	0.10	44.68
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	0.10	0.10	40.29	0.02	0.01	48.33	0.08	0.03	39.99	*	*	*
Field Peas	0.03	*	*	-	-	-	0.03	0.01	46.15	*	*	*
Lentils	*	*	*	-	-	-	-	-	-	*	*	*
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	0.16	0.08	35.81	*	*	*	0.16	0.06	38.11	*	*	*
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	0.16	0.08	35.87	*	*	*	0.16	0.06	38.11	*	*	*
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	0.34	0.11	31.86	*	*	*	0.12	0.03	27.48	0.22	0.09	42.36
Fenugreek	*	*	*	-	-	-	-	-	-	*	*	*
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	*	*	*	*	*	*	*	*	*	*	*	*
Other Vegetables	0.28	0.09	31.04	-	-	-	0.11	0.03	27.82	0.17	0.07	39.53
ALL TEMPORARY	7.92	1.37	17.34	0.50	0.09	17.91	3.27	0.43	13.26	4.15	0.94	22.73
Chat	3.89	0.70	18.04	0.22	0.04	16.66	1.72	0.24	14.18	1.95	0.47	23.90
Coffee	0.03	0.02	45.44	-	-	-	0.03	0.02	47.79	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	0.02	0.02	42.08	*	*	*	0.02	0.01	36.01	*	*	*
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	3.98	0.70	17.55	0.23	0.04	15.53	1.78	0.25	13.85	1.97	0.47	23.60
ALL CROPS	11.90	2.05	17.26	0.73	0.12	16.54	5.05	0.67	13.36	6.12	1.39	22.76

TABLE 3.11

ESTIMATES OF QUANTITY OF FERTILIZER APPLIED BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Addis Ababa

TYPE OF CROP	Total			DAP			UREA			DAP + UREA		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
CEREALS	20.92	2.13	10.20	0.27	0.08	27.97	0.17	0.08	47.13	20.48	2.13	10.42
Teff	12.58	1.46	11.51	0.07	0.02	31.61	*	*	*	12.51	1.44	11.52
Barely	0.04	*	*	*	*	*	*	*	*	0.04	0.02	45.76
Wheat	8.13	0.88	10.78	0.15	0.04	27.85	0.05	0.02	42.15	7.93	0.87	10.99
Maize	-	-	-	-	-	-	-	-	-	-	-	-
Sorghum	-	-	-	-	-	-	-	-	-	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	0.01	-	47.41	-	-	-	-	-	-	0.01	-	47.91
PULSES	0.30	0.07	24.63	0.17	0.04	26.22	-	-	-	0.13	0.04	34.36
Horse Beans	-	*	*	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	0.16	0.05	32.76	0.09	0.03	30.78	-	-	-	0.07	0.03	46.50
Lentils	0.06	0.01	20.35	0.03	0.01	23.74	-	-	-	0.03	0.01	29.41
Vetch	0.07	0.02	28.67	0.05	0.02	35.29	-	-	-	0.02	0.01	37.43
OILSEEDS	*	*	*	-	-	-	-	-	-	*	*	*
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	*	*	*	-	-	-	-	-	-	*	*	*
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	0.21	*	*	*	*	*	*	*	*	0.21	0.07	35.28
Fenugreek	0.02	0.01	21.98	0.01	-	28.39	-	-	-	0.01	-	23.93
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	0.19	*	*	*	*	*	*	*	*	0.19	0.07	38.72
ALL TEMPORARY	22.05	2.36	10.71	1.00	0.44	44.00	0.21	0.08	38.69	20.84	2.16	10.37
Chat	-	-	-	-	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	-	-	-	-	-	-	-	-	-	-	-	-
ALL CROPS	22.05	2.36	10.71	1.00	0.44	44.00	0.21	0.08	38.69	20.84	2.16	10.37

TABLE 3.12

ESTIMATES OF QUANTITY OF FERTILIZER APPLIED BY TYPE OF FERTILIZER,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Dire Dawa

TYPE OF CROP	Total			DAP			UREA			DAP + UREA		
	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)
CEREALS	*	*	*	*	*	*	*	*	*	-	-	-
Teff	-	-	-	-	-	-	-	-	-	-	-	-
Barely	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Maize	*	*	*	*	*	*	*	*	*	-	-	-
Sorghum	*	*	*	0.01	0.41	45.39	*	*	*	-	-	-
Millet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	-	-	-	-	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	*	*	*	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	*	*	*	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
OILSEEDS	-	-	-	*	*	*	-	-	-	-	-	-
Neug	-	-	-	*	*	*	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	*	*	*	-	-	-	-	-	-
Castor Bean	-	-	-	-	-	-	-	-	-	-	-	-
OTHERS	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-	-	-	-	-	-
Potatoes	-	-	-	-	-	-	-	-	-	-	-	-
Other Vegetables	-	-	-	-	-	-	-	-	-	-	-	-
ALL TEMPORARY	*	*	*	0.01	0.34	34.81	*	*	*	-	-	-
Chat	*	*	*	0.01	0.46	49.68	-	-	-	-	-	-
Coffee	-	-	-	*	*	*	-	-	-	-	-	-
Enset	-	-	-	-	-	-	-	-	-	-	-	-
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-	-	-
Other Permanent	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMANENT	*	*	*	*	*	*	-	-	-	-	-	-
ALL CROPS	*	*	*	0.02	0.35	37.53	*	*	*	-	-	-

TABLE 4.1 ESTIMATES OF QUANTITY OF IMPROVED SEED AND LOCAL SEED
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR PRIVATE HOLDINGS 2000/2001(1993 E.C.)

National

TYPE OF CROP	IMPROVED SEED			LOCAL SEED		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
CEREALS	200.68	14.23	7.09	5,019.28	160.13	3.19
Teff	11.41	1.82	15.93	1,027.62	43.88	4.27
Barely	1.21	0.38	31.60	1,232.10	75.17	6.10
Wheat	91.14	10.33	11.34	1,651.23	118.66	7.19
Maize	95.19	8.42	8.85	627.97	24.85	3.96
Sorghum	1.53	0.52	33.94	295.90	14.14	4.78
Millet	*	*	*	130.20	10.42	8.00
Oats	-	-	-	54.26	8.51	15.69
PULSES	5.81	1.17	20.15	1,261.45	52.40	4.15
Horse Beans	2.50	0.86	34.38	564.29	31.56	5.59
Field Peas	1.63	0.60	36.84	209.38	16.09	7.69
Haricot Beans	0.42	0.10	22.83	127.50	13.65	10.70
Chick Peas	1.12	0.52	46.13	180.65	20.10	11.12
Lentils	-	-	-	68.20	7.26	10.64
Vetch	*	*	*	111.43	14.12	12.67
Others	0.08	0.02	26.38	148.54	11.53	7.76
Neug	0.04	0.01	27.81	51.18	4.46	8.72
Lin Seed	-	-	-	65.55	9.57	14.60
Rape seed	-	-	-	7.14	2.29	32.14
Ground Nuts	*	*	*	9.58	3.85	40.18
Sun Flower	*	*	*	1.54	0.34	21.70
Sesame	*	*	*	5.87	1.52	25.82
Fenugreek	-	-	-	7.68	1.39	18.12
ALL CROPS	206.57	14.30	6.92	6,429.27	183.91	2.86

TABLE 4.2 ESTIMATES OF QUANTITY OF IMPROVED SEED AND LOCAL SEED
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR PRIVATE HOLDINGS 2000/2001(1993 E.C.)

Tigray

TYPE OF CROP	IMPROVED SEED			LOCAL SEED		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
CEREALS	9.90	2.44	24.62	354.96	21.23	5.98
Teff	2.43	1.11	45.42	66.34	5.66	8.53
Barely	-	-	-	100.47	10.13	10.09
Wheat	7.05	2.13	30.27	98.97	11.80	11.92
Maize	*	*	*	23.88	2.24	9.39
Sorghum	-	-	-	38.44	4.68	12.17
Millet	*	*	*	25.91	2.95	11.38
Oats	-	-	-	*	*	*
PULSES	-	-	-	65.32	6.15	9.41
Horse Beans	-	-	-	26.10	4.06	15.55
Field Peas	-	-	-	7.85	2.08	26.52
Haricot Beans	-	-	-	0.81	0.39	48.03
Chick Peas	-	-	-	14.07	2.18	15.47
Lentils	-	-	-	5.52	1.24	22.51
Vetch	-	-	-	10.97	2.76	25.18
Others	-	-	-	10.33	1.80	17.46
Neug	-	-	-	2.73	0.73	26.82
Lin Seed	-	-	-	4.43	0.93	20.94
Rape seed	-	-	-	*	*	*
Ground Nuts	-	-	-	-	-	-
Sun Flower	-	-	-	*	*	*
Sesame	-	-	-	2.97	1.37	46.09
Fenugreek	-	-	-	*	*	*
ALL CROPS	9.90	2.44	24.62	430.61	23.32	5.41

TABLE 4.3 ESTIMATES OF QUANTITY OF IMPROVED SEED AND LOCAL SEED
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR PRIVATE HOLDINGS 2000/2001(1993 E.C.)

Afar

TYPE OF CROP	IMPROVED SEED			LOCAL SEED		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
CEREALS	*	*	*	6.23	1.24	19.94
Teff	-	-	-	2.38	0.77	32.51
Barely	-	-	-	*	*	*
Wheat	-	-	-	*	*	*
Maize	*	*	*	2.19	0.34	15.40
Sorghum	-	-	-	0.72	0.13	18.32
Millet	-	-	-	*	*	*
Oats	-	-	-	-	-	-
PULSES	-	-	-	0.79	0.33	41.88
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Beans	-	-	-	0.11	0.04	39.82
Chick Peas	-	-	-	0.65	0.31	48.08
Lentils	-	-	-	*	*	*
Vetch	-	-	-	-	-	-
Others	-	-	-	0.05	0.01	30.19
Neug	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sun Flower	-	-	-	0.03	0.01	44.81
Sesame	-	-	-	0.01	-	30.02
Fenugreek	-	-	-	-	-	-
ALL CROPS	*	*	*	7.06	1.47	20.84

TABLE 4.4 ESTIMATES OF QUANTITY OF IMPROVED SEED AND LOCAL SEED
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR PRIVATE HOLDINGS 2000/2001(1993 E.C.)

Amhara

TYPE OF CROP	IMPROVED SEED			LOCAL SEED		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
CEREALS	42.77	6.00	14.02	1,407.07	58.21	4.14
Teff	2.98	0.61	20.60	384.90	25.96	6.74
Barely	0.39	0.16	40.17	371.47	27.77	7.48
Wheat	15.31	3.81	24.89	352.98	39.36	11.15
Maize	22.92	3.38	14.74	109.07	8.48	7.78
Sorghum	1.17	0.51	43.30	100.38	9.72	9.68
Millet	-	-	-	75.55	9.31	12.32
Oats	-	-	-	12.72	3.47	27.27
PULSES	-	-	-	570.15	33.12	5.81
Horse Beans	-	-	-	241.86	19.73	8.16
Field Peas	-	-	-	93.36	8.88	9.51
Haricot Beans	-	-	-	29.73	6.96	23.40
Chick Peas	-	-	-	97.24	11.69	12.02
Lentils	-	-	-	44.55	6.26	14.06
Vetch	-	-	-	63.40	10.30	16.25
Others	*	*	*	44.71	3.77	8.43
Neug	-	-	-	27.93	3.49	12.51
Lin Seed	-	-	-	8.90	1.11	12.42
Rape seed	-	-	-	0.82	0.12	14.99
Ground Nuts	-	-	-	*	*	*
Sun Flower	-	-	-	1.39	0.33	24.06
Sesame	*	*	*	1.58	0.62	38.93
Fenugreek	-	-	-	4.06	1.14	27.98
ALL CROPS	42.78	6.00	14.02	2,021.93	75.25	3.72

TABLE 4.5

ESTIMATES OF QUANTITY OF IMPROVED SEED AND LOCAL SEED
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR PRIVATE HOLDINGS, 2000/2001(1993 E.C.)

Oromia

TYPE OF CROP	IMPROVED SEED			LOCAL SEED		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
CEREALS	102.80	10.29	10.01	2,696.45	145.19	5.38
Teff	3.65	1.20	32.79	482.68	33.22	6.88
Barely	*	*	*	658.30	67.56	10.26
Wheat	53.86	8.48	15.75	1,044.95	110.38	10.56
Maize	44.26	5.09	11.51	344.39	21.27	6.18
Sorghum	0.30	0.12	40.31	105.59	8.50	8.05
Millet	*	*	*	20.30	3.23	15.89
Oats	-	-	-	40.24	7.74	19.23
PULSES	4.25	0.91	21.50	494.47	36.60	7.40
Horse Beans	1.10	0.46	41.21	239.79	23.10	9.63
Field Peas	1.63	0.60	36.93	75.45	9.74	12.92
Haricot Beans	0.38	0.09	24.98	63.49	10.35	16.31
Chick Peas	*	*	*	63.68	16.09	25.27
Lentils	-	-	-	17.43	3.44	19.74
Vetch	*	*	*	34.63	9.20	26.58
Others	0.04	0.01	28.30	85.59	10.69	12.49
Neug	0.04	0.01	28.30	17.65	2.61	14.80
Lin Seed	-	-	-	51.42	9.46	18.39
Rape seed	-	-	-	6.05	2.29	37.87
Ground Nuts	-	-	-	*	*	*
Sun Flower	-	-	-	0.06	0.02	35.31
Sesame	-	-	-	0.49	0.12	25.60
Fenugreek	-	-	-	3.23	0.79	24.51
ALL CROPS	107.09	10.36	9.67	3,276.51	161.71	4.94

TABLE 4.6

ESTIMATES OF QUANTITY OF IMPROVED SEED AND LOCAL SEED
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR PRIVATE HOLDINGS 2000/2001(1993 E.C.)

Somale

TYPE OF CROP	IMPROVED SEED			LOCAL SEED		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
CEREALS	0.40	0.16	40.33	25.79	2.64	10.23
Teff	-	-	-	*	*	*
Barely	*	*	*	3.36	1.10	32.66
Wheat	*	*	*	3.53	1.19	33.63
Maize	0.22	0.10	45.51	10.90	1.93	17.72
Sorghum	*	*	*	7.80	1.52	19.47
Millet	-	-	-	-	-	-
Oats	-	-	-	0.17	0.07	43.19
PULSES	-	-	-	0.29	0.07	25.69
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	*	*	*
Haricot Beans	-	-	-	0.20	0.07	35.62
Chick Peas	-	-	-	0.05	0.02	39.36
Lentils	-	-	-	*	*	*
Vetch	-	-	-	-	-	-
Others	-	-	-	*	*	*
Neug	-	-	-	-	-	-
Lin Seed	-	-	-	0.01	0.01	46.00
Rape seed	-	-	-	-	-	-
Ground Nuts	-	-	-	*	*	*
Sun Flower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	0.03	0.01	46.30
ALL CROPS	0.40	0.16	40.33	26.38	2.69	10.19

TABLE 4.7 ESTIMATES OF QUANTITY OF IMPROVED SEED AND LOCAL SEED
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR PRIVATE HOLDINGS 2000/2001(1993 E.C.)
Benshangul-Gumuz

TYPE OF CROP	IMPROVED SEED			LOCAL SEED		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
CEREALS	0.97	0.22	23.09	37.77	4.93	13.04
Teff	*	*	*	8.07	2.33	28.84
Barely	-	-	-	*	*	*
Wheat	-	-	-	*	*	*
Maize	0.91	0.23	25.13	6.83	0.69	10.07
Sorghum	-	-	-	10.95	1.31	11.99
Millet	-	-	-	7.07	1.62	22.96
Oats	-	-	-	*	*	*
PULSES	-	-	-	3.43	0.93	27.20
Horse Beans	-	-	-	0.95	0.32	33.75
Field Peas	-	-	-	0.38	0.18	47.33
Haricot Beans	-	-	-	1.90	0.89	46.78
Chick Peas	-	-	-	0.13	0.06	46.38
Lentils	-	-	-	*	*	*
Vetch	-	-	-	-	-	-
Others	-	-	-	5.03	0.97	19.31
Neug	-	-	-	2.62	0.55	21.00
Lin Seed	-	-	-	0.09	0.04	39.45
Rape seed	-	-	-	*	*	*
Ground Nuts	-	-	-	1.57	0.74	47.30
Sun Flower	-	-	-	*	*	*
Sesame	-	-	-	0.72	0.17	23.85
Fenugreek	-	-	-	0.01	-	30.95
ALL CROPS	0.97	0.22	23.09	46.22	5.72	12.37

TABLE 4.8 ESTIMATES OF QUANTITY OF IMPROVED SEED AND LOCAL SEED
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR PRIVATE HOLDINGS 2000/2001(1993 E.C.)
(S.N.N.P.R)

TYPE OF CROP	IMPROVED SEED			LOCAL SEED		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
CEREALS	42.88	7.39	17.23	470.37	26.16	5.56
Teff	2.20	0.52	23.56	79.12	10.46	13.21
Barely	0.11	0.05	40.16	95.54	14.47	15.14
Wheat	14.13	3.96	28.04	141.85	14.26	10.05
Maize	26.40	5.79	21.92	125.87	9.05	7.19
Sorghum	0.03	0.01	27.85	26.52	2.64	9.94
Millet	-	-	-	1.35	0.35	25.82
Oats	-	-	-	0.11	0.05	47.50
PULSES	1.51	0.73	48.41	124.17	16.43	13.23
Horse Beans	*	*	*	55.37	7.50	13.55
Field Peas	-	-	-	32.29	8.99	27.84
Haricot Beans	0.03	0.01	36.87	31.12	5.45	17.51
Chick Peas	*	*	*	*	*	*
Lentils	-	-	-	0.40	0.16	40.17
Vetch	-	-	-	*	*	*
Others	*	*	*	1.35	0.35	25.70
Neug	-	-	-	*	*	*
Lin Seed	-	-	-	0.68	0.29	42.09
Rape seed	-	-	-	0.25	0.07	27.00
Ground Nuts	-	-	-	0.02	0.01	48.64
Sun Flower	*	*	*	0.05	0.01	24.63
Sesame	-	-	-	*	*	*
Fenugreek	-	-	-	*	*	*
ALL CROPS	44.41	7.43	16.73	595.88	37.71	6.33

TABLE 4.9 ESTIMATES OF QUANTITY OF IMPROVED SEED AND LOCAL SEED
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR PRIVATE HOLDINGS 2000/2001(1993 E.C.)

Gambela

TYPE OF CROP	IMPROVED SEED			LOCAL SEED		
	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)
CEREALS	0.14	0.06	43.33	4.81	1.38	28.71
Teff	-	-	-	-	-	-
Barely	-	-	-	*	*	*
Wheat	-	-	-	-	-	-
Maize	0.13	0.06	46.52	3.57	1.31	36.76
Sorghum	*	*	*	1.22	0.40	32.41
Millet	-	-	-	*	*	*
Oats	-	-	-	-	-	-
PULSES	-	-	-	0.02	0.01	49.69
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Beans	-	-	-	0.02	0.01	48.92
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Others	*	*	*	*	*	*
Neug	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-
Ground Nuts	*	*	*	0.01	-	40.89
Sun Flower	-	-	-	-	-	-
Sesame	-	-	-	*	*	*
Fenugreek	-	-	-	-	-	-
ALL CROPS	0.15	0.06	42.94	4.92	1.39	28.23

TABLE 4.10 ESTIMATES OF QUANTITY OF IMPROVED SEED AND LOCAL SEED
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR PRIVATE HOLDINGS 2000/2001(1993 E.C.)

Harari

TYPE OF CROP	IMPROVED SEED			LOCAL SEED		
	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)	Estimate (¹ 000HA)	S.E (¹ 000)	C.V. (%)
CEREALS	0.27	0.08	28.04	3.82	0.31	8.01
Teff	-	-	-	-	-	-
Barely	-	-	-	0.06	0.02	40.67
Wheat	0.20	0.07	36.14	0.35	0.09	26.11
Maize	0.07	0.02	25.88	1.10	0.11	9.89
Sorghum	-	-	-	2.31	0.20	8.86
Millet	-	-	-	-	-	-
Oats	-	-	-	*	*	*
PULSES	0.01	-	49.32	0.06	0.01	23.43
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Beans	-	-	-	0.04	0.01	22.96
Chick Peas	-	-	-	0.02	0.01	47.26
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Others	-	-	-	1.01	0.29	28.11
Neug	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-
Ground Nuts	-	-	-	1.01	0.28	28.12
Sun Flower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
ALL CROPS	0.28	0.08	27.71	4.89	0.37	7.52

TABLE 4.11

ESTIMATES OF QUANTITY OF IMPROVED SEED AND LOCAL SEED
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR PRIVATE HOLDINGS 2000/2001(1993 E.C.)

Addis Ababa

TYPE OF CROP	IMPROVED SEED			LOCAL SEED		
	Estimate (['] 000HA)	S.E (['] 000)	C.V. (%)	Estimate (['] 000HA)	S.E (['] 000)	C.V. (%)
CEREALS	0.55	0.13	23.06	9.89	1.11	11.25
Teff	0.08	0.03	40.30	4.09	0.50	12.27
Barely	-	-	-	*	*	*
Wheat	0.47	0.11	23.19	5.53	0.74	13.33
Maize	-	-	-	0.04	0.02	44.93
Sorghum	-	-	-	0.01	-	43.59
Millet	-	-	-	-	-	-
Oats	-	-	-	*	*	*
PULSES	*	*	*	2.68	0.39	14.43
Horse Beans	-	-	-	0.21	0.10	49.05
Field Peas	-	-	-	0.03	0.01	29.55
Haricot Beans	-	-	-	-	-	-
Chick Peas	*	*	*	1.26	0.25	19.78
Lentils	-	-	-	0.19	0.03	16.74
Vetch	*	*	*	1.00	0.19	18.85
Others	-	-	-	0.08	0.01	17.24
Neug	-	-	-	-	-	-
Lin Seed	-	-	-	*	*	*
Rape seed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sun Flower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	0.07	0.01	19.81
ALL CROPS	0.59	0.14	23.72	12.65	1.45	11.48

TABLE 4.12

ESTIMATES OF QUANTITY OF IMPROVED SEED AND LOCAL SEED
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR PRIVATE HOLDINGS 2000/2001(1993 E.C.)

Dire Dawa

TYPE OF CROP	IMPROVED SEED			LOCAL SEED		
	Estimate (['] 000HA)	S.E (['] 000)	C.V. (%)	Estimate (['] 000HA)	S.E (['] 000)	C.V. (%)
CEREALS	0.01	-	40.08	2.12	0.24	11.54
Teff	-	-	-	-	-	-
Barely	-	-	-	*	*	*
Wheat	-	-	-	*	*	*
Maize	-	-	-	0.14	0.03	20.18
Sorghum	0.01	-	45.80	1.96	0.24	12.19
Millet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
PULSES	-	-	-	0.08	0.02	25.44
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Beans	-	-	-	0.08	0.02	25.36
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Others	-	-	-	0.01	-	45.64
Neug	-	-	-	-	-	-
Lin Seed	-	-	-	-	-	-
Rape seed	-	-	-	-	-	-
Ground Nuts	-	-	-	*	*	*
Sun Flower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
ALL CROPS	0.01	-	34.09	2.21	0.26	11.54

TABLE 5.1

NUMBER OF HOLDERS BY AGRICULTURAL PRACTICES AND EDUCATIONAL ATTAINMENT,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

National

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED														
	Total			Improved Seed			Irrigation			Pesticide			Fertilizer		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
ILLITERATE	7,407.33	108.93	1.47	103.66	11.69	11.27	49.12	8.01	16.31	197.15	22.76	11.54	1,490.16	64.28	4.31
GRADES 1 - 3	1,448.51	36.79	2.54	23.80	3.60	15.11	8.08	1.91	23.63	50.33	6.60	13.11	309.48	16.83	5.44
GRADES 4 - 6	857.46	30.76	3.59	16.29	2.79	17.14	3.63	1.16	31.90	39.65	7.47	18.84	187.56	15.25	8.13
GRADES 7 - 8	309.98	16.08	5.19	6.02	1.66	27.60	2.12	1.01	47.53	16.02	3.91	24.43	69.55	7.38	10.61
GRADES 9 - 11	134.15	9.66	7.20	3.46	1.13	32.70	*	*	*	8.15	2.26	27.79	32.38	5.12	15.81
GRADES 12 COMPLETE	59.02	6.24	10.57	*	*	*	*	*	*	4.59	1.49	32.45	19.44	3.69	19.00
HIGHER EDUCATION	16.07	2.96	18.44	*	*	*	*	*	*	*	*	*	2.88	1.11	38.67
TOTAL	10,232.51	134.99	1.32	155.09	15.28	9.85	64.02	10.02	15.66	316.47	35.12	11.10	2,111.46	87.58	4.15

TABLE 5.2

NUMBER OF HOLDERS BY AGRICULTURAL PRACTICES AND EDUCATIONAL ATTAINMENT,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Tigray

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED														
	Total			Improved Seed			Irrigation			Pesticide			Fertilizer		
	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)	Estimate (⁰⁰⁰ HA)	S.E (⁰⁰⁰)	C.V. (%)
ILLITERATE	507.12	16.93	3.34	6.80	2.20	32.40	2.04	0.93	45.91	*	*	*	155.91	13.47	8.64
GRADES 1 - 3	95.99	8.40	8.76	-	-	-	*	*	*	*	*	*	31.18	4.00	12.82
GRADES 4 - 6	19.48	2.69	13.79	*	*	*	*	*	*	*	*	*	7.37	1.47	19.97
GRADES 7 - 8	4.70	1.12	23.76	*	*	*	-	-	-	-	-	-	2.49	0.78	31.08
GRADES 9 - 11	1.49	0.72	48.39	-	-	-	-	-	-	-	-	-	*	*	*
GRADES 12 COMPLETE	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	629.46	19.13	3.04	7.46	2.45	32.84	3.88	1.37	35.40	2.49	1.11	44.44	197.81	16.72	8.45

TABLE 5.3

NUMBER OF HOLDERS BY AGRICULTURAL PRACTICES AND EDUCATIONAL ATTAINMENT,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Afar

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED														
	Total			Improved Seed			Irrigation			Pesticide			Fertilizer		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
ILLITERATE	26.62	3.88	14.59	-	-	-	*	*	*	*	*	*	1.21	0.55	45.78
GRADES 1 - 3	1.63	0.39	24.08	-	-	-	-	-	-	-	-	-	-	-	-
GRADES 4 - 6	0.52	0.13	24.35	-	-	-	-	-	-	-	-	-	-	-	-
GRADES 7 - 8	0.11	0.05	47.37	-	-	-	-	-	-	-	-	-	-	-	-
GRADES 9 - 11	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
GRADES 12 COMPLETE	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
HIGHER EDUCATION	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	28.97	4.08	14.07	-	-	-	*	*	*	*	*	*	1.21	0.55	45.78

TABLE 5.4

NUMBER OF HOLDERS BY AGRICULTURAL PRACTICES AND EDUCATIONAL ATTAINMENT,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Amhara

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED														
	Total			Improved Seed			Irrigation			Pesticide			Fertilizer		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
ILLITERATE	2,221.99	41.41	1.86	35.50	6.60	18.60	20.18	5.45	27.03	20.24	7.82	38.66	428.73	29.90	6.97
GRADES 1 - 3	499.33	21.44	4.29	10.33	2.64	25.60	*	*	*	6.73	2.15	31.94	116.24	11.11	9.56
GRADES 4 - 6	120.54	9.89	8.20	3.05	1.38	45.33	*	*	*	*	*	*	28.13	4.43	15.77
GRADES 7 - 8	44.32	6.11	13.80	*	*	*	*	*	*	-	-	-	10.32	2.47	23.92
GRADES 9 - 11	17.79	3.12	17.56	*	*	*	-	-	-	-	-	-	5.17	1.64	31.78
GRADES 12 COMPLETE	7.08	2.21	31.25	-	-	-	-	-	-	-	-	-	3.23	1.53	47.33
HIGHER EDUCATION	2.56	1.05	41.17	-	-	-	-	-	-	-	-	-	*	*	*
TOTAL	2,913.61	45.23	1.55	50.72	9.05	17.84	23.49	6.52	27.74	28.74	9.76	33.97	592.16	39.63	6.69

TABLE 5.5

NUMBER OF HOLDERS BY AGRICULTURAL PRACTICES AND EDUCATIONAL ATTAINMENT,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Oromia

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED														
	Total			Improved Seed			Irrigation			Pesticide			Fertilizer		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
ILLITERATE	2,787.95	64.00	2.30	48.16	8.94	18.56	20.16	5.64	27.99	146.77	20.83	14.19	591.66	44.09	7.45
GRADES 1 - 3	553.13	22.59	4.08	8.65	2.02	23.32	4.48	1.51	33.66	36.34	6.05	16.64	115.27	10.33	8.96
GRADES 4 - 6	394.17	20.06	5.09	8.06	1.84	22.84	*	*	*	29.33	6.68	22.77	97.87	12.26	12.53
GRADES 7 - 8	143.07	11.02	7.70	2.57	1.02	39.76	*	*	*	13.36	3.61	27.05	37.22	5.77	15.49
GRADES 9 - 11	67.37	6.47	9.60	1.99	0.88	44.34	-	-	-	7.22	2.23	30.82	15.49	2.91	18.77
GRADES 12 COMPLETE	27.77	4.20	15.13	*	*	*	*	*	*	4.38	1.48	33.70	12.00	2.70	22.51
HIGHER EDUCATION	6.13	1.86	30.37	-	-	-	-	-	-	*	*	*	*	*	*
TOTAL	3,979.59	77.09	1.94	70.15	10.98	15.65	27.62	7.32	26.52	237.99	32.57	13.69	871.11	62.30	7.15

TABLE 5.6

NUMBER OF HOLDERS BY AGRICULTURAL PRACTICES AND EDUCATIONAL ATTAINMENT,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Somali

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED														
	Total			Improved Seed			Irrigation			Pesticide			Fertilizer		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
ILLITERATE	77.56	10.36	13.36	*	*	*	1.34	0.42	31.69	*	*	*	*	*	*
GRADES 1 - 3	10.89	3.40	31.23	*	*	*	*	*	*	-	-	-	*	*	*
GRADES 4 - 6	2.54	0.79	30.91	*	*	*	*	*	*	-	-	-	*	*	*
GRADES 7 - 8	0.80	0.38	48.12	-	-	-	-	-	-	-	-	-	-	-	-
GRADES 9 - 11	*	*	*	-	-	-	*	*	*	-	-	-	*	*	*
GRADES 12 COMPLETE	0.58	0.26	45.80	-	-	-	-	-	-	-	-	-	-	-	-
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	92.57	12.76	13.78	*	*	*	1.55	0.49	31.56	*	*	*	*	*	*

TABLE 5.7

NUMBER OF HOLDERS BY AGRICULTURAL PRACTICES AND EDUCATIONAL ATTAINMENT,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Benshangul-Gumuz

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED														
	Total			Improved Seed			Irrigation			Pesticide			Fertilizer		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
ILLITERATE	84.01	6.64	7.90	1.12	0.35	31.55	*	*	*	3.01	1.39	46.26	17.80	2.83	15.89
GRADES 1 - 3	16.73	1.93	11.56	0.39	0.17	43.79	-	-	-	*	*	*	5.03	1.09	21.62
GRADES 4 - 6	11.87	1.47	12.42	0.31	0.14	44.61	-	-	-	*	*	*	2.85	0.61	21.53
GRADES 7 - 8	3.70	0.67	17.98	*	*	*	-	-	-	*	*	*	1.21	0.37	30.38
GRADES 9 - 11	1.47	0.43	29.29	*	*	*	-	-	-	*	*	*	*	*	*
GRADES 12 COMPLETE	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*
HIGHER EDUCATION	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	118.54	8.04	6.78	2.10	0.52	24.70	*	*	*	4.88	2.21	45.27	27.12	4.02	14.83

TABLE 5.8

NUMBER OF HOLDERS BY AGRICULTURAL PRACTICES AND EDUCATIONAL ATTAINMENT,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

(S.N.N.P.R)

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED														
	Total			Improved Seed			Irrigation			Pesticide			Fertilizer		
	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)	Estimate ('000HA)	S.E ('000)	C.V. (%)
ILLITERATE	1,655.70	74.81	4.52	11.59	2.84	24.49	2.28	1.07	46.77	25.71	4.54	17.65	281.09	33.15	11.79
GRADES 1 - 3	261.80	17.20	6.57	3.97	1.34	33.63	*	*	*	5.55	1.33	23.98	39.49	5.99	15.17
GRADES 4 - 6	299.10	20.82	6.96	4.18	1.54	36.91	*	*	*	7.23	3.10	42.93	49.71	7.75	15.59
GRADES 7 - 8	110.76	9.90	8.94	*	*	*	*	*	*	*	*	*	17.75	3.79	21.34
GRADES 9 - 11	44.90	6.41	14.27	*	*	*	-	-	-	0.84	0.41	49.20	11.04	3.87	35.06
GRADES 12 COMPLETE	21.70	4.00	18.45	*	*	*	-	-	-	*	*	*	*	*	*
HIGHER EDUCATION	6.75	2.04	30.14	*	*	*	*	*	*	-	-	-	*	*	*
TOTAL	2,400.72	98.01	4.08	23.36	4.96	21.24	3.55	1.30	36.63	41.91	8.45	20.15	403.52	43.76	10.84

TABLE 5.9

NUMBER OF HOLDERS BY AGRICULTURAL PRACTICES AND EDUCATIONAL ATTAINMENT,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Gambela

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED														
	Total			Improved Seed			Irrigation			Pesticide			Fertilizer		
	Estimate (['] 000HA)	S.E (['] 000)	C.V. (%)	Estimate (['] 000HA)	S.E (['] 000)	C.V. (%)	Estimate (['] 000HA)	S.E (['] 000)	C.V. (%)	Estimate (['] 000HA)	S.E (['] 000)	C.V. (%)	Estimate (['] 000HA)	S.E (['] 000)	C.V. (%)
ILLITERATE	17.70	1.61	9.09	*	*	*	-	-	-	-	-	-	-	-	-
GRADES 1 - 3	4.93	1.08	21.88	*	*	*	-	-	-	-	-	-	-	-	-
GRADES 4 - 6	6.53	1.62	24.78	*	*	*	-	-	-	-	-	-	-	-	-
GRADES 7 - 8	1.48	0.25	16.93	-	-	-	-	-	-	-	-	-	-	-	-
GRADES 9 - 11	0.49	0.15	31.58	*	*	*	-	-	-	-	-	-	-	-	-
GRADES 12 COMPLETE	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
HIGHER EDUCATION	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	31.40	3.87	12.31	*	*	*	-	-	-	-	-	-	-	-	-

TABLE 5.10

NUMBER OF HOLDERS BY AGRICULTURAL PRACTICES AND EDUCATIONAL ATTAINMENT,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Harari

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED														
	Total			Improved Seed			Irrigation			Pesticide			Fertilizer		
	Estimate (['] 000HA)	S.E (['] 000)	C.V. (%)	Estimate (['] 000HA)	S.E (['] 000)	C.V. (%)	Estimate (['] 000HA)	S.E (['] 000)	C.V. (%)	Estimate (['] 000HA)	S.E (['] 000)	C.V. (%)	Estimate (['] 000HA)	S.E (['] 000)	C.V. (%)
ILLITERATE	10.68	0.50	4.64	0.15	0.07	48.60	0.40	0.15	38.17	0.08	0.04	44.04	5.62	0.56	9.91
GRADES 1 - 3	1.63	0.19	11.84	*	*	*	0.10	0.04	38.74	*	*	*	1.09	0.16	14.50
GRADES 4 - 6	1.34	0.19	14.18	0.11	0.05	49.08	0.13	0.06	44.40	*	*	*	0.95	0.17	18.00
GRADES 7 - 8	0.43	0.09	21.07	*	*	*	*	*	*	-	-	-	0.27	0.07	24.85
GRADES 9 - 11	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*
GRADES 12 COMPLETE	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	14.24	0.44	3.07	0.34	0.10	30.58	0.65	0.20	30.22	0.17	0.05	29.44	8.00	0.73	9.15

TABLE 5.11

NUMBER OF HOLDERS BY AGRICULTURAL PRACTICES AND EDUCATIONAL ATTAINMENT,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Addis Ababa

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED														
	Total			Improved Seed			Irrigation			Pesticide			Fertilizer		
	Estimate (^{'000} HA)	S.E (^{'000})	C.V. (%)	Estimate (^{'000} HA)	S.E (^{'000})	C.V. (%)	Estimate (^{'000} HA)	S.E (^{'000})	C.V. (%)	Estimate (^{'000} HA)	S.E (^{'000})	C.V. (%)	Estimate (^{'000} HA)	S.E (^{'000})	C.V. (%)
ILLITERATE	4.30	0.49	11.43	0.11	0.05	40.60	*	*	*	0.08	0.03	32.71	1.66	0.24	14.68
GRADES 1 - 3	1.07	0.24	22.28	-	-	-	*	*	*	-	-	-	0.29	0.09	30.10
GRADES 4 - 6	0.75	0.18	24.64	*	*	*	-	-	-	*	*	*	0.41	0.11	26.16
GRADES 7 - 8	0.46	0.10	21.46	*	*	*	*	*	*	*	*	*	0.22	0.06	26.26
GRADES 9 - 11	0.27	0.07	28.04	-	-	-	*	*	*	-	-	-	0.10	0.04	42.40
GRADES 12 COMPLETE	0.52	0.22	42.59	-	-	-	-	-	-	*	*	*	0.09	0.03	26.91
HIGHER EDUCATION	*	*	*	-	-	-	-	-	-	-	-	-	*	*	*
TOTAL	7.52	1.10	14.67	0.14	0.05	33.74	*	*	*	0.11	0.04	37.03	2.79	0.49	17.61

TABLE 5.12

NUMBER OF HOLDERS BY AGRICULTURAL PRACTICES AND EDUCATIONAL ATTAINMENT,
THEIR STANDARD ERROR AND COEFFICIENT OF VARIATION FOR PRIVATE HOLDINGS
2000/2001(1993 E.C.)

Dire Dawa

EDUCATIONAL STATUS OF HOLDERS	NUMBER OF HOLDERS WHO APPLIED														
	Total			Improved Seed			Irrigation			Pesticide			Fertilizer		
	Estimate (^{'000} HA)	S.E (^{'000})	C.V. (%)	Estimate (^{'000} HA)	S.E (^{'000})	C.V. (%)	Estimate (^{'000} HA)	S.E (^{'000})	C.V. (%)	Estimate (^{'000} HA)	S.E (^{'000})	C.V. (%)	Estimate (^{'000} HA)	S.E (^{'000})	C.V. (%)
ILLITERATE	13.69	0.49	3.59	*	*	*	1.98	0.49	24.58	*	*	*	2.89	0.45	15.45
GRADES 1 - 3	1.37	0.20	14.57	-	-	-	0.22	0.08	35.17	-	-	-	0.38	0.09	23.36
GRADES 4 - 6	0.62	0.14	21.99	*	*	*	0.15	0.07	47.54	-	-	-	0.25	0.07	28.80
GRADES 7 - 8	0.16	0.07	45.75	-	-	-	*	*	*	-	-	-	*	*	*
GRADES 9 - 11	*	*	*	-	-	-	-	-	-	*	*	*	*	*	*
GRADES 12 COMPLETE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HIGHER EDUCATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	15.89	0.63	3.98	*	*	*	2.38	0.59	24.78	*	*	*	3.63	0.54	14.93