THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA

CENTRAL STATISTICAL AUTHORITY

AND

NATIONAL FERTILIZER INDUSTRY AGENCY

REPORT ON

NATIONAL FERTILIZER BENCHMARK SURVEY OF 1996/97 (1989 E.C.)

1997/98 (1990 E.C.)

PRIVATE PEASANT HOLDINGS
BOTH SEASONS (MEHER AND BELG)

ADDIS ABABA
OCTOBER 1998

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Zeleke Desalegn
General Manager
NFIA

PART I. INTRODUCTION AND OBJECTIVES OF THE SURVEY

1. Introduction

Ethiopia has an agrarian economy where agriculture is the backbone of the country's economy. The sector contributes the country's major foreign currency earnings, the lion share of the country's GDP, and the highest employment share, i.e. the majority of the country's population depend on agriculture for their livelihood. It is because of these facts that the economic transformation of Ethiopia is very much tied to the development of this sector. Thus agriculture has always been and remains to be the cornerstone of the country's economy.

In Ethiopia, where the agricultural sector is subsistent, about 90% of the food production is produced by private peasant farmers. However, the performance of the sector has been poor and subsistence. The low productivity of small holder agriculture is at the heart of the food security problem of the country. Besides, agriculture in Ethiopia is mainly rain fed, where the country has traditionally facing food deficit leading some times to famine when rain fails. In addition to the presence of periodical shortages of rain, there are a number of factors that contribute to the poor performance of the sector, e.g. declining soil fertility due to overgrazing and very rapid deforestation as well as poor access to modern farm inputs like improved seeds, and fertilizers. Thus, the country's development priority is agriculture and within agriculture - productivity improvement of small holders agriculture. Hence, Ethiopia's agricultural development programs take this as the central challenge.

Moreover, Ethiopia, a country with a population of over 59 million, with an annual growth rate nearly 3 %, food security is a key issue in the government's development strategy. Therefore, in order to meet the food requirements of the growing population, food grains and other agricultural production have to be increased significantly to meet the growing demand of the population.

The immediate available means to overcome the problem of the sector and attain self sufficiency in food production is land productivity.

A plausible solution to increase land productivity, in addition to use of high yielding variety seeds and better irrigation facilities, is to effectively promote a more wide spread and more efficient use of mineral fertilizers in the country in conjunction with other initiatives related to improving the soil fertility status through expanding use of organic sources of nutrients.

To this end, the government of Ethiopia has issued a National Fertilizer Policy (NFP) which aims at fulfilling:-

- the farmers' effective demand situation,
- supply of fertilizer,
- distribution and marketing,
- pricing, credit,
- research and extension,
- quality control,
- soil fertility management and environmental conservation.

For the successful implementation of the NFP the National Fertilizer Industry Agency (NFIA), as a focal organization, has been established by proclamation for the management and development of the fertilizer sub-sector. The major responsibilities of the NFIA include:-

- promote wider use of fertilizer particularly in the remote areas,
- ensure equal access of fertilizer to both public and private trade,
- overcome administrative and cumbersome procedures in the allocation of foreign exchange for import of fertilizers, and
- contribute to the development of competitive fertilizers market etc.

Since, its establishment, the NFIA has been working hard to ensure availability of fertilizer in the required type and quantity at a reasonable prices to ultimate users by importing on time through importers.

Moreover to achieve food security on sustainable basis with increased and efficient use of fertilizers the NFIA in collaboration with International Development Association (IDA) has launched the National Fertilizer Sector Project (NFSP) in February 1996 which is designed for a period of five years. One of the project activity is to conduct National Fertilizer Benchmark Survey through out the country.

The purpose of the survey is to establish a database that help to know the output of the project in general and consumption in particular of fertilizer prior and after the implementation of the NFSP and thereby to evaluate its performance (efficiency) and the extent of its coverage, calls for the need of conducting a survey.

To meet this goal, the NFIA look for the Central Statistical Authority (CSA) which has a rich experience in conducting various socio-economic surveys in the country for decades, to collaborate with the implementation of National Fertilizer Benchmark Survey.

The terms of agreement between the two organizations were: The NFIA is to finance all the budgetary requirement of the survey, such as salary and perdiem of all personnel involved in the survey activities, maintenance cost, stationary and logistic costs ..etc. While CSA is to make available the man power, logistics required, and accomplish all activities starting from preparatory activities such as design of questionnaires, (based on the draft questionnaire prepared by NFIA) availing of enumerators and supervisors as wall as edit code manuals, training of field staff, ...etc. up to the field data collection activities, data processing, report writing and then production of survey results. Every things that have been mentioned in the agreement have gone right as scheduled.

Therefore, this report is prepared to present the findings of National Fertilizer Benchmark Survey conducted by CSA in collaboration with NFIA in 1997/98 (1990 E.C). Thus in the report the objectives of the survey, survey coverage and sample design, basic concepts and definations, type and method of data collection and summary results are included. Moreover, standard error and coefficient of variations for area and production of major crops and questionnaires of the survey are presented in Appendix I and II respectively.

2. Objective of the Survey.

The 1996/97 (1989 E.C) National Fertilizer Benchmark Survey, focuses to asses the current status on the usage, distribution, credit facilities and marketing situation of fertilizer, so as to provide basic information that can be used to measure the extent of the availability of these facilities before the start of NFSP and its performance there after.

Thus, the major objective of the National Fertilizer Bench Mark Survey are:

- To collect base line data to measure the outputs and effects of the National Fertilizer Sector Project (NFSP) during and after its implementation as well as the performance of NFIA.

- To provide data/ information on the National fertilizer sector for planning and other purposes as may be required by different users.

PART II. SURVEY METHODOLOGY, DATA COLLECTION AND PROCESSING

1. The Survey Coverage and Sample Design

The 1997/98 (1990 E.C.) National Fertilizer Benchmark survey was designed to cover the sedentary rural population in all regions of the country, (i.e. those areas covered by the 1997/98 (1990 E.C.) agricultural sample survey of CSA). The coverage encompassed a total of 11 regions, 56 zones and 442 weredas. The geographic coverage of the Benchmark Fertilizer Survey is given in Table A.

A two stage sample design was used for the 1997/98 (1990 E.C.) National Fertilizer Benchmark Survey. Zones and special weredas were treated as strata/reporting levels for major findings of the survey. But Harari, Addis Ababa, Dire Dawa regions were treated as reporting levels on their own. Within each ultimate stratum the primary sampling units (PSUs) were enumeration areas (EAs). Agricultural households were the secondary sampling units and the survey questionnaires were administered to all agricultural holders in the sampled agricultural households.

Based on cost and field enumeration considerations, a fixed number of sample EAs were allocated to each stratum/reporting level taking into consideration the desired precision of major estimates. From within each zone/special wereda, the designated number of sample EAs were selected with probability proportional to

size, size being the total number of households in the EAs as obtained from the 1994 Population and Housing Census. From each sample EA, 25 agricultural households were sampled systematically without replacement from a list of households prepared right at the start of the survey's field work.

For this survey, a total of 1,380 Enumeration Areas (EAs) were selected. However, the survey succeeded in covering 1290. Data from the remaining EAs were incomplete and/or not available for various reasons.

The 1997/98 (1990 E.C.) National Fertilizer Benchmark survey was designed to cover the sedentary rural population in all regions of the country, (i.e. those areas covered by the 1997/98 (1990 E.C) agricultural sample survey of CSA.). The coverage encompasses a total of 56 zones and 442 weredas which were designated in the sampling design as the area basis to be sampled for the Agricultural Sample Survey. The geographic coverage of the Benchmark Fertilizer Survey is given in Table A.

For this survey, 1,380 Enumeration Areas (EAs) were selected. These EAs were selected at the zonal level to be and used as the Primary Sampling Units (PSU) to provide specific coverage within all regions. For this report, however, the number of "useable" EAs which were completed and acceptable for tabulation, were 1290. The remaining EAs were incomplete and unusable for various reasons. In each EA a sample of 25 households were selected in which these households were interviewed for the National Fertilizer Benchmark Survey.

2. Basic Concepts and Definitions of Technical Terms Used

The concepts and definitions used in the survey are defined as follows.

Enumeration Area (EA): An Enumeration Area in rural parts of the Country is a locality that is less than or equal to a Farmer's Association area and usually it consists of 150-200 households.

Households: A household may be either;

a) a one person household, that is a person who makes provision for his own food or other essentials for living without combining with any other person to from part of a multi person household or

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

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

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

Under conditions of traditional agricultural holding the holder may be regarded as the person, who with or without 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 right to determine the utilization of the products.

Holding: A holding is all the land and livestock kept which is used wholly or partly for agricultural production and is operated as one technical unit by one person alone, or with others, without regard to title, legal form, size or location.

Parcel: A parcel of holding is any piece of land entirely surrounded by land, water road, forest,... etc. which is not part of the holding. It may consist one or more cadastral units, plots or field 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 crop.

Belg season crops: are defined as any crops that are harvested during the months of March(Megabit) to August (Nehase).

Meher season crops crops that are harvested during the months of September (Meskerem) to February (Yekatit) are considered as main (Meher) season crops.

Improved Seed: is defined as crop variety which gives significantly higher yield, better quality and/or better benefit compared to traditional varieties of seeds, and usually produced by the Ethiopian Seed Enterprise (ESE) in Ethiopia.

Fertilizer: refers to industrially manufactured mineral fertilizers added to the soil intended to increase the amount of plant nutrients available for crop growth. Usually these fertilizer are called commercial fertilizes.

Pesticide: Insecticides, herbicides and fungicides are chemicals useful for the mitigation, control or elimination of insects, weeds and fungus, pests, which are trouble some or harmful to crops.

3. Types of Data Collected and Method of Data Collection

In order to fulfill the above mentioned objectives of the survey, the following data were collected subjectively by interviewing the heads of the sampled households. The major ones are:-

i. area under crop and production of major crops by type of crop for both season (Meher and Belg),

ii. area under fertilizer and quantity of fertilizer applied by crop type for both seasons (Meher and Belg),

iii. status on the usage, distribution, credit facilities and marketing situation of fertilizer,

iv. status on the use of fertilizer over the past five years ... etc.,

v. use of manure (Natural fertilizer) by purpose, ... etc.,

vi. and others.

During the survey, subjective method of data collection was adopted. Each holder in the sampled households was interviewed by an enumerator assigned full time within each sample EA.

Table A. **AREA COVERAGE OF THE 1996/97 NATIONAL FERTILIZER BENCHMARK SURVEY.**

	NUMBER OF ZONES			NUMBER OF WEREDAS	
REGION	TOTAL	ZONES SAMPLED FOR THE SURVEY	NOT COVERED BY THE SURVEY	PLANNED TO BE SAMPLED FOR THE SURVEY	ACTUAL NUMBER OF WEREDAS SAMPLED FOR THE SURVEY
TIGRAY	4	4	-	34	31
AFAR[2]	5	3	2	8	7
AMHARA	11	10	1	93	92
OROMIYA	12	12	-	173	171
SOMALIE[3]	9	3	6	9	9
BENSHANGUL–GUMEZ	3	3	-	20	15
S.N.N.P.R	14	14	-	74	72
GAMBLEA	4	3	1	5	5
HARARI	1	1	-	1	1
A.ABABA[4]	6	2	4	5	5
DIRE DAWA	1	1	-	1	1
TOTAL	70	56	14	424	409

Note

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

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

4. Data Processing

a) Editing, Coding and Verification

For the Benchmark Fertilizer Sample Survey editing and coding instruction manuals were prepared and printed prior to training. Before receipt of the completed questionnaires from -the branch offices, the CSA regular editor/ coder staff were given one full day of intensive training on proper questionnaire review techniques. Instructions and rules associated with correctly coding the questionnaire and correcting inconsistent records were thoroughly discussed. In order to under take this task at CSA headquarters a total of 36 editors/coders were involved.

During the coding process several of the professional staff members were assigned to assist the editors/coders in correction of the difficult problems on the filled - in questionnaire. These technical experts were also involved in answering questions, clear doubts... etc. so as to facilitate the editing and coding activity. Each editor/coder was assigned to work on a single EA at a time to assure that all questionnaires were accounted for and completed. Next the edited and coded questionnaires were checked by about 13 supervisors/verifiers. All EAs were included in this final verification process.

b) Data Entry, Cleaning and Processing

The data entry process at headquarters utilized about 20 data encoders and as many personal computers. The data was entered in the PCs using IMPS

(Integrated Microcomputer Processing System) software which is a software package developed by the United States Bureau of the Census. Following data entry the data was further reviewed for data inconsistencies, missing data, reasonableness...etc. by more than five of the regular professional staff skilled in data cleaning procedures. The final stage of data processing was to summarize the clean data using the PC based IMPS software. The summary tables required reformatting and merging with the report text file for publication purposes. Two programmers were responsible for all of the data processing activity.

Note 1:-

* *If estimates of the same variables in different tables don't coincide the variations are due to various non sampling errors,*
* *If in some tables figures don't add up to total it is due to rounding.*

Note 2:- CSA has been given responsibility by the Ethiopian government to publish estimates of crop area and production, use of farm inputs such as commercial fertilizer, improved seeds and pesticides, as well as, quantity of fertilizer applied on major crops. These reports have been published annually since 1980/81 (1973 E.C.) at national and regional level. In more recent years, the sample has been large enough to publish estimates for contiguous group of zones. The basis for these reports is the data collected in association with the annual Agricultural Sample Survey (AgSS) conducted each year to estimate the Meher and Belg season crops, as well as, to estimate livestock on private peasant holdings. However, in addition to the national and regional estimates, National Fertilizer Industry Agency (NFIA) foresaw the need for zonal estimates on a comprehensive set of fertilizer related data for the year 1996/97 (1989 E.C.). In collaboration with NFIA, CSA conducted the National Fertilizer Benchmark Survey (NFBS) in 1997/98 (1990 E.C.) in order to collect more in-depth information on fertilizer related usage from private peasant holdings. The 1997/98 AgSS sample size was increased substantially in order to provide NFIA estimates at zonal level. In so doing, data on the 1996/97 Meher and Belg season crops were collected twice but from two separate AgSS samples and from two different data collection periods.

With two separate samples it is possible to make point estimates of data variables collected for the holders (i.e. area, production of major crop, use of farm inputs and ... etc.) for the same items from both surveys. Normal variability associated with different sampled holders will cause the point estimates to vary from one survey estimate to another. The advantage of probability sampling, such as that utilized for the AgSS, one can calculate confidence interval for each such data items. One would expect that these intervals would overlap, indicating that there is no significant difference in the estimates except that associated with chance alone. These statements of probability become more reliable as the sample size increases. Since the 1996/97 AgSS had a small size inappropriate for making zonal level estimates, it would not to appropriate to make comparisons between the two-year's estimates except at the national and regional levels.

Nevertheless, the point estimates obtained from NFBS fertilizer data are consistently found to have overlapping interval estimates of the same variables obtained in the 1996/97 (1989 E.C.) annual AgSS at the national level. Users of

the estimates obtained from NFBS should have confidence that the estimates are acceptable and accurate for their use despite inconsistencies between published reports.

Furthermore, it would be expected statistically that one should not expect to obtain the same and identical results from two different surveys conducted even at the same time let alone in different years. Private peasant holders selected at random from two different surveys conducted at two different times would be expected to have variability associated with the different reporting sample units. Using unbiased random sampling procedures, one would expect on the average for the results to fluctuate with any given level of certainty around the true population estimate for each item estimated. Hence, the differences in the estimates between both surveys mentioned above is not surprising but would rather be expected.

However, users of these reports should be cautious when using both estimates. They would be better one or the other report rather than switching between reports in order to use the figures which might be more convenient for explanation of the relationships they are investigating.

It is explained above that statistically one would expect differences between estimates of major variables obtained from two different surveys. Users of this report should find it of paramount importance to understand some of the possible reasons for these inconsistencies that arise from factors other than sampling. The following reasons are considered to be some of the major factors, both due to sampling and otherwise, that could have contributed to the inconsistency of the estimates. These are:-

1. The difference due to the different samples used. The two surveys had different samples of holders that had some influence, particularly at the zonal level, and contributed towards the differences in estimates obtained from the two surveys.

2. There is fundamental difference in the method of data collection between the two surveys. The 1996/97 (1989 E.C.) annual AgSS collects data using both subjective and objective methods. The AgSS crop area estimates are enumerated using tape and compass to objectively measure the field area and crop yields are estimated using

objectively collected crop-cutting data. Whereas, the 1997/98 (1990 E.C.) NFBS collected data for the 1996/97 (1989 E.C.) crop year using only subjective interview questioning of the holder.

3. With any subjectively collected data, respondents can have memory elapses that can contribute towards a considerable amount of the inaccuracy related to the information being reported. This major phenomenon could have effected the fieldwork associated with the 1997/98 (1990 E.C.) NFBS. It is cautioned that data collected in 1997/98 for 1996/97 could be highly affected by a statistically immeasurable amount of memory bias. It is possible that the majority of the sampled household heads' failed to remember and give accurate information about their agricultural activities performed the year before.

4. As mentioned in 2 above, data was collected using only subjective interviewing methods for the 1997/98 (1990 E.C.) NFBS. Hence, all information obtained from the respondent on crop area and production and the use of farm inputs were reported in local area measurement units (such as Timad, Boy, ... etc.), and local production measuring units (such as Kuna, Jonia, ... etc.). The area and production reported in these local units had to be converted into their metric equivalent using conversion factors in order to publish the report for users in recognizable standardized metric units. The data presented in this report were processed by first converting the reported local units into their metric equivalents using CSA's own proprietary conversion factors compiled from two separate investigations on the issue. A major problem for statisticians working with conversion of local units is the large number of local units used by farmers for reporting area and production. These local units vary in their size from region to region for the same named local unit. The conversion factors compiled by CSA are not based on sufficient data to be reliable and usually under estimate the metric equivalents of the local units reported. Therefore, the use of conversion factor for area and production reported in local units has contributed to by some unknown degree to effect the level of the estimates of subjectively collected area and production data for major crops as well as use of farm inputs obtained from the NFBS. The estimates generated from the 1996/97

(1989 E.C.) AgSS are little affected by the phenomenon of subjective memory bias associated with Meher season the area and production estimates.

5. Belg season area and production estimates are collected from the holder as soon following harvest as possible for the AgSS. Memory bias is a much lesser factor than the problems associated with area and production reported in local units, same as for the NFBS.

It should be noted that the zonal estimates in this report for major agricultural variables are being made available for each region except for Harari, Addis Ababa and Dire Dawa regions which are small and a self-contained regions unto themselves.

PART III.

Summary of Survey Findings

As it has been mentioned earlier, the results of the survey are presented in this report. Therefore, the major findings of the survey are briefly discussed as follows:

Section 1. Total Area and Production of Major Crops for Meher and Belg Seasons in 1996/97 (1989 E.C)

In this section, summary on the estimates of the 1996/97 (1989 E.C) area and production of major crops in both seasons (Meher and Belg) for private peasant holdings is presented. The results are given at country, regional and zonal levels.

As presented in the Summary Table B, the total area and production of major crops in both seasons, were estimated to be 7,974.77 thousand hectares and 98,398.33 thousand quintals, respectively with mean yield of 12.34 quintals per hectare.

Out of the total area and production of both seasons, cereals accounts for about 6,800.09 thousand hectares (85.27 %) and 84,271.54 thousand quintals (85.64 %) which is the highest. While the 880.21 thousand hectares (11.04 %), 294.47 thousand (3.69 %) hectares and 12,039.47 thousand quintals (12.24 %)

2,087.32 thousand quintals (2.12 %) are the share of pulses and other crops, respectively.

Moreover, out of the above mentioned totals 7,309.74 thousand hectares (91.66 %) and 91,437.42 thousand quintals (92.93 %) was the contribution of Meher Season, while 665.03 thousand hectares (8.28 %) and 6,960.91 thousand quintals (7.07 %) was the share of Belg season. (for details see Summary Tables B.1 - B.3) and survey results at country, regional and zonal levels.

Summary Table B.1 Total Area and Production of Major Crops

Both Seasons

Crop Type	Area in '000 Ha.	%	Production in '000 Qts	%	Yield Qts/Ha
Cereals	6,800.09	85.27	84,271.54	85.64	12.39
Pulses	880.21	11.04	12,039.47	12.24	15.05
Others	294.47	3.69	2,087.32	2.12	7.02
All Crops	7,974.77	100	98,398.33	100	12.34

Summary Table B.2 Total Area and Production of Major Crops

Meher Season

Crop Type	Area in '000 Ha.	%	Production in '000 Qts	%	Yield Qts/Ha
Cereals	6,198.24	84.90	77,645.19	84.92	12.53
Pulses	826.09	11.70	11,724.18	12.82	14.19
Others	285.41	3.90	2,068.05	2.26	7.25
All Crops	7,309.74	100	91,437.42	100	12.51

Summary Table B.3 Total Area and Production of Major Crops

Belg Season

Crop Type	Area in '000 Ha.	%	Production in '000 Qts	%	Yield Qts/Ha.
Cereals	601.85	90.50	6,626.35	95.19	11.01
Pulses	54.12	8.14	315.29	4.53	5.83
Others	9.06	1.36	19.27	0.28	2.13
All Crops	665.03	100	6,960.91	100	10.47

TABLE 1.1 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN ETHIOPIA 1996/97 (1989 E.C.)

National(Both Seasons)

Crop Type	Meher Season				Belg Season				TOTAL			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	6,198.24	84.79	77,645.19	84.92	601.85	90.50	6,626.35	95.19	6,800.09	85.27	84,271.54	85.64
Teff	2,099.78	28.73	17,814.88	19.48	94.27	14.18	678.75	9.75	2,194.05	27.51	18,493.63	18.79
Wheat	814.60	11.14	10,626.39	11.62	59.40	8.93	684.25	9.83	874.00	10.96	11,310.64	11.49
Barley	857.45	11.73	11,934.20	13.05	**	**	**	**	1,046.74	13.13	14,774.66	15.02
Maize	1,156.67	15.82	19,098.43	20.89	195.49	29.40	1,907.24	27.40	1,352.16	16.96	21,005.67	21.35
Sorghum	988.29	13.52	14,680.91	16.06	49.30	7.41	384.58	5.52	1,037.59	13.01	15,065.49	15.31
Milet	257.11	3.52	3,132.60	3.43	**	**	**	**	263.73	3.31	3,150.14	3.20
Oats	24.34	.33	357.78	.39	7.48	1.12	113.53	1.63	31.82	.40	471.31	.48
Pulses	826.09	11.30	11,724.18	12.82	54.12	8.14	315.29	4.53	880.21	11.04	12,039.47	12.24
Horse Beans	342.13	4.68	7,133.78	7.80	6.43	.97	28.78	.41	348.56	4.37	7,162.56	7.28
Field Peas	124.52	1.70	1,386.02	1.52	9.40	1.41	76.12	1.09	133.92	1.68	1,462.14	1.49
Haricot Beans	77.44	1.06	612.17	.67	31.10	4.68	135.54	1.95	108.54	1.36	747.71	.76
Chick Peas	144.72	1.98	1,292.27	1.41	5.82	.88	61.95	.89	150.54	1.89	1,354.22	1.38
Lentils	36.42	.50	250.13	.27	.93	.14	9.37	.13	37.35	.47	259.50	.26
Vetch	100.86	1.38	1,049.81	1.15	**	**	**	**	101.30	1.27	1,053.34	1.07
Others	285.41	3.90	2,068.05	2.26	9.06	1.36	19.27	.28	294.47	3.69	2,087.32	2.12
Neug	137.48	1.88	958.15	1.05	**	**	**	**	137.63	1.73	958.79	.97
Linseed	92.01	1.26	635.27	.69	**	**	**	**	92.05	1.15	635.39	.65
Rapeseed	**	**	**	**	-	-	-	-	9.36	.12	132.40	.13
Ground Nuts	2.40	.03	16.17	.02	**	**	**	**	2.42	.03	16.27	.02
Sunflower	**	**	**	**	-	-	**	**	1.30	.02	21.48	.02
Sesame	32.45	.44	211.31	.23	**	**	**	**	33.25	.42	211.68	.22
Fenugreek	10.41	.14	93.33	.10	**	**	**	**	18.46	.23	111.31	.11
All Crops	7,309.74	100.00	91,437.42	100.00	665.03	100.00	6,960.91	100.00	7,974.77	100.00	98,398.33	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.2 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN TIGRAY REGION,1995/96 (1989 E.C.)

Tigray(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	480.43	89.27	6,408.45	92.33	**	**	**	**	514.68	89.80	6,617.14	92.46
Teff	120.82	22.45	908.82	13.09	**	**	**	**	148.17	25.85	1,039.73	14.53
Wheat	44.10	8.19	73.07	1.05	**	**	**	**	44.56	7.78	73.73	1.03
Barley	73.68	13.69	**	**	2.47	7.08	**	**	76.15	13.29	**	**
Maize	61.25	11.38	**	**	1.04	2.98	51.69	23.95	62.29	10.87	**	**
Sorghum	129.84	24.12	1,879.67	27.08	**	**	**	**	132.77	23.17	1,892.07	**
Milet	50.66	9.41	**	**	-	-	-	-	50.66	8.84	**	**
Oats	**	**	**	**	-	-	-	-	**	**	**	**
Pulses	43.15	8.02	319.87	4.61	**	**	**	**	43.81	7.64	326.96	4.57
Horse Beans	19.63	3.65	172.55	2.49	**	**	**	**	19.79	3.45	174.43	2.44
Field Peas	6.21	1.15	**	**	**	**	2.90	1.34	6.44	1.12	**	**
Haricot Beans	.67	.12	**	**	-	-	-	-	.67	.12	**	**
Chick Peas	4.16	.77	47.43	.68	**	**	**	**	4.43	.77	49.74	.70
Lentils	7.23	1.34	**	**	-	-	-	-	**	**	**	**
Vetch	5.25	.98	39.42	.57	-	-	-	-	5.25	.92	39.42	.55
Others	14.62	2.72	212.28	3.06	-	-	-	-	14.62	2.55	212.28	2.97
Neug	2.21	.41	**	**	-	-	-	-	2.21	.39	**	**
Linseed	2.71	.50	**	**	-	-	-	-	2.71	.47	**	**
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	**	**	**	**	-	-	-	-	**	**	**	**
Fenugreek	**	**	**	**	-	-	-	-	**	**	**	**
All Crops	538.20	100.00	6,940.60	100.00	34.91	100.00	215.78	100.00	573.11	100.00	7,156.38	100.00

TABLE 1.2.1 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN TIGRAY REGION, 1995/96 (1989 E.C.)

West Tigray Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	124.41	90.53	1,771.67	88.80	**	**	**	**	124.69	90.55	1,798.51	88.95
Teff	27.51	20.02	394.83	19.79	.16	57.14	21.56	80.33	27.67	20.09	416.39	20.59
Wheat	**	**	5.57	.28	-	-	-	-	**	**	**	**
Barley	**	**	.53	.03	-	-	-	-	**	**	**	**
Maize	16.26	11.83	55.44	2.78	.12	42.86	5.28	19.67	16.38	11.89	60.72	3.00
Sorghum	49.42	35.96	1,161.97	58.24	-	-	-	-	49.42	35.89	1,161.97	57.47
Milet	30.37	22.10	153.33	7.69	-	-	-	-	30.37	22.05	**	**
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	3.31	2.41	56.20	2.82	-	-	-	-	3.31	2.40	56.20	2.78
Horse Beans	**	**	22.47	1.13	-	-	-	-	**	**	**	**
Field Peas	**	**	12.17	.61	-	-	-	-	**	**	**	**
Haricot Beans	**	**	2.25	.11	-	-	-	-	.21	.15	**	**
Chick Peas	1.62	1.18	19.31	.97	-	-	-	-	1.62	1.18	19.31	.95
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	**	**	**	**	-	-	-	-	**	**	**	**
Neug	**	**	20.10	1.01	-	-	-	-	**	**	**	**
Linseed	.24	.17	.02	-	-	-	-	-	**	**	**	**
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	**	**	147.19	7.38	-	-	-	-	**	**	**	**
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	137.43	100.00	1,995.18	100.00	.28	100.00	26.84	100.00	137.71	100.00	2,022.02	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.2.2 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN TIGRAY REGION, 1995/96 (1989 E.C.)

Central Tigray Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				TOTAL			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	163.52	92.07	**	**	**	**	**	**	163.54	92.07	**	**
Teff	54.25	30.54	288.20	7.28	-	-	-	-	50.25	30.54	288.20	7.28
Wheat	7.89	4.44	**	**	**	**	**	**	7.90	4.45	**	**
Barley	14.13	7.96	**	**	-	-	-	-	14.13	7.95	**	**
Maize	21.69	12.21	**	**	**	**	**	**	21.70	12.22	**	**
Sorghum	49.80	28.04	**	**	-	-	-	-	49.80	28.04	434.36	10.97
Milet	15.76	8.87	**	**	-	-	-	-	15.76	8.87	**	**
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**	**	84.90	2.15	-	-	-	-	**	**	84.90	2.14
Horse Beans	**	**	56.10	1.42	-	-	-	-	**	**	56.10	1.42
Field Peas	-	-	-	-	-	-	-	-	**	**	-	-
Haricot Beans	**	**	**	**	-	-	-	-	**	**	**	**
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	**	**	**	**	-	-	-	-	**	**	**	**
Vetch	**	**	**	**	-	-	-	-	**	**	**	**
Others	3.04	1.71	**	**	-	-	-	-	3.04	1.71	**	**
Neug	1.00	.56	**	**	-	-	-	-	**	**	**	**
Linseed	.75	.42	**	**	-	-	-	-	**	**	**	**
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	**	**	**	**	-	-	-	-	**	**	**	**
Fenugreek	**	**	**	**	-	-	-	-	**	**	**	**
All Crops	177.61	100.00	3,957.74	100.00	.02	100.00	3.13	100.00	177.63	100.00	3,960.87	100.00

TABLE 1.2.3 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN TIGRAY REGION, 1995/96 (1989 E.C.)

East Tigray Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				TOTAL			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	70.71	86.03	281.32	75.37	**	**	**	**	73.95	86.16	308.96	76.15
Teff	8.34	10.15	59.56	15.96	**	**	**	**	8.38	9.76	59.88	14.76
Wheat	13.26	16.13	31.98	8.57	**	**	**	**	13.71	15.97	32.51	8.01
Barley	29.86	36.33	**	**	2.33	64.01	**	**	32.19	37.50	**	**
Maize	10.95	13.32	32.63	8.74	**	**	**	**	11.37	13.25	47.75	11.77
Sorghum	4.29	5.22	49.41	13.24	-	-	-	-	4.29	5.00	49.41	12.18
Milet	3.93	4.78	.29	.08	-	-	-	-	3.93	4.58	.29	.07
Oats	**	**	**	**	-	-	-	-	**	**	**	**
Pulses	10.37	12.62	66.60	17.84	**	**	**	**	10.77	12.55	71.46	17.61
Horse Beans	**	**	26.14	7.00	**	**	**	**	**	**	28.02	6.91
Field Peas	1.65	2.01	**	**	**	**	**	**	1.88	2.19	**	**
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	**	**	**	**	**	**	**	**	**	**	**	**
Lentils	**	**	4.09	1.10	-	-	-	-	**	**	**	**
Vetch	1.83	2.23	**	**	-	-	-	-	1.83	2.13	**	**
Others	**	**	**	**	-	-	-	-	**	**	**	**
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	**	**	**	**	-	-	-	-	**	**	**	**
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	**	**	**	**	-	-	-	-	**	**	**	**
All Crops	82.19	100.00	373.25	100.00	3.64	100.00	32.50	100.00	85.83	100.00	405.75	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.2.4 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS IN PRIVATE HOLDINGS IN TIGRAY REGION, 1995/96 (1989 E.C.)

South Tigray Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				TOTAL			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	121.57	86.38	501.49	81.62	**	**	**	**	152.29	88.68	652.55	85.00
Teff	30.73	21.83	166.24	27.06	**	**	**	**	**	**	275.27	35.86
Wheat	22.66	16.10	25.67	4.18	-	-	-	-	22.66	13.20	25.67	3.34
Barley	29.11	20.68	7.13	1.16	**	**	**	**	29.25	17.03	8.48	1.10
Maize	12.35	8.78	68.51	11.15	**	**	28.28	18.45	12.85	7.48	96.79	12.61
Sorghum	26.12	18.56	233.89	38.07	**	**	**	**	29.05	16.92	246.29	32.08
Milet	.60	.43	**	**	-	-	-	-	**	**	.05	.01
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**	**	112.17	18.26	**	**	**	**	**	**	114.40	14.90
Horse Beans	**	**	**	**	-	-	-	-	**	**	67.84	8.84
Field Peas	**	**	**	**	-	-	-	-	**	**	22.78	2.97
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	.43	.31	**	**	**	**	**	**	.70	.41	6.76	.88
Lentils	**	**	.36	.06	-	-	-	-	**	**	.36	.05
Vetch	2.35	1.67	**	**	-	-	-	-	2.35	1.37	16.66	2.17
Others	.78	.55	**	**	-	-	-	-	.78	.45	**	**
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	.69	.49	**	**	-	-	-	-	.69	.40	.10	.01
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	**	**	-	-	-	-	-	-	**	**	-	-
Fenugreek	**	**	**	**	-	-	-	-	**	**	.66	.09
All Crops	140.74	100.00	614.42	100.00	30.99	100.00	153.29	100.00	171.73	100.00	767.71	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.3 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN AFAR REGION, 1995/96 (1989 E.C.)

Afar(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	17.21	98.29	239.35	97.97	.71	66.98	**	**	17.92	96.50	271.03	95.82
Teff	4.60	26.27	**	**	.51	48.11	**	**	5.11	27.52	**	**
Wheat	**	**	**	**	**	**	**	**	**	**	**	**
Barley	**	**	**	**	**	**	**	**	**	**	**	**
Maize	1.54	8.79	17.38	7.11	.17	16.04	**	**	1.71	9.21	19.67	6.95
Sorghum	10.37	59.22	88.42	36.19	-	-	-	-	10.37	55.84	88.42	31.26
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	.18	1.03	**	**	.35	33.02	6.85	17.78	.53	2.85	7.79	2.75
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	**	**	**	**
Chick Peas	.18	1.03	.94	.38	.32	30.19	6.67	17.31	.50	2.69	7.61	2.69
Lentils	-	-	-	-	**	**	**	**	**	**	**	**
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	**	**	**	**	-	-	-	-	**	**	**	**
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	**	**	4.03	1.65	-	-	-	-	**	**	**	**
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	17.51	100.00	244.32	100.00	1.06	100.00	38.53	100.00	18.57	100.00	282.85	100.00

TABLE 1.3.1 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN AFAR REGION,1995/96 (1989 E.C.)

Zone 1 Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	**	**	**	**	-	-	-	-	**	**	**	**
Teff	.03	37.50	.23	38.98	-	-	-	-	.03	37.50	.23	38.98
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-	-	**	**
Maize	.01	12.50	.08	13.56	-	-	-	-	**	**	.08	13.56
Sorghum	**	**	.28	47.46	-	-	-	-	**	**	.28	47.46
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	.08	100.00	.59	100.00	-	-	-	-	.08	100.00	.59	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.3.2 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN AFAR REGION, 1995/96 (1989 E.C.)

Zone 3 Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	16.03	98.16	236.11	97.94	.70	66.67	**	**	16.73	96.26	267.79	95.77
Teff	4.34	26.58	**	**	.50	47.62	**	**	4.84	27.85	**	**
Wheat	**	**	**	**	**	**	**	**	**	**	**	**
Barley	**	**	**	**	**	**	**	**	**	**	**	**
Maize	1.31	8.02	16.11	6.68	.17	16.19	**	**	1.48	8.52	18.40	6.58
Sorghum	9.68	59.28	87.10	36.13	-	-	-	-	9.68	55.70	87.10	31.15
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	.18	1.10	.94	.39	.35	33.33	6.85	17.78	.53	3.05	7.79	2.79
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	.18	1.10	.94	.39	.32	30.48	6.67	17.31	.50	2.88	7.61	2.72
Lentils	-	-	-	-	**	**	**	**	**	**	**	**
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	**	**	**	**	-	-	-	-	**	**	**	**
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	**	**	**	**	-	-	-	-	**	**	4.03	1.44
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	16.33	100.00	241.08	100.00	1.05	100.00	38.53	100.00	17.38	100.00	279.61	100.00

TABLE 1.3.3 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN AFAR REGION, 1995/96 (1989 E.C.)

Zone 5 Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	1.09	100.00	2.63	100.00	**	**	**	**	1.10	100.00	2.63	100.00
Teff	.23	21.10	**	**	.01	100.00	-	-	.24	21.82	**	**
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-	-	-	-
Maize	**	**	1.18	44.87	-	-	-	-	**	**	1.18	44.87
Sorghum	.65	59.63	**	**	-	-	-	-	.65	59.09	**	**
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	**	**	**	**	**	**	**	**
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	**	**	**	**
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	1.09	100.00	2.63	100.00	.01	100.00	-	-	1.10	100.00	2.63	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.4 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN AMHARA REGION, 1995/96 (1989 E.C.)

Amhara(Both Seasons)

Crop Type	Meher Season				Belg Season				TOTAL			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	2,105.85	83.33	24,968.99	85.21	**	**	**	**	2,254.03	83.86	27,541.63	86.04
Teff	762.64	30.18	7,686.98	26.23	22.22	13.85	**	**	784.86	29.20	7,882.98	24.63
Wheat	178.46	7.06	2,134.81	7.29	5.26	3.28	82.09	3.03	183.72	6.84	2,216.90	6.93
Barley	262.29	10.38	2,939.65	10.03	**	**	**	**	371.31	13.82	5,117.22	15.99
Maize	273.83	10.84	3,261.59	11.13	6.18	3.85	68.72	2.54	280.01	10.42	3,330.31	10.40
Sorghum	470.67	18.62	6,921.39	23.62	**	**	**	**	473.80	17.63	6,940.31	21.68
Milet	152.92	6.05	1,966.16	6.71	**	**	**	**	153.49	5.71	1,966.77	6.14
Oats	5.04	.20	58.41	.20	1.80	1.12	28.73	1.06	6.84	.25	87.14	.27
Pulses	295.22	11.68	3,351.70	11.44	11.77	7.34	133.35	4.93	306.99	11.42	3,485.05	10.89
Horse Beans	70.03	2.77	928.19	3.17	**	**	**	**	70.23	2.61	930.86	2.91
Field Peas	31.50	1.25	368.43	1.26	2.22	1.38	32.51	1.20	33.72	1.25	400.94	1.25
Haricot Beans	17.06	.68	176.47	.60	**	**	34.52	1.28	20.64	.77	210.99	.66
Chick Peas	93.38	3.69	965.95	3.30	**	**	**	**	97.98	3.65	1,017.61	3.18
Lentils	13.10	.52	136.13	.46	.79	.49	9.16	.34	13.89	.52	145.29	.45
Vetch	70.15	2.78	776.53	2.65	**	**	**	**	70.53	2.62	779.36	2.43
Others	126.16	4.99	981.90	3.35	**	**	**	**	126.67	4.71	982.98	3.07
Neug	76.84	3.04	672.04	2.29	**	**	**	**	76.99	2.86	672.21	2.10
Linseed	22.54	.89	187.02	.64	**	**	**	**	22.58	.84	187.14	.58
Rapeseed	1.16	.05	**	**	-	-	-	-	1.16	.04	**	**
Ground Nuts	**	**	-	-	-	-	-	-	**	**	-	-
Sunflower	**	**	**	**	-	-	-	-	**	**	**	**
Sesame	**	**	17.09	.06	-	-	-	-	**	**	17.09	.05
Fenugreek	6.52	.26	68.05	.23	**	**	**	**	6.84	.25	68.84	.22
All Crops	2,527.23	100.00	29,302.59	100.00	160.46	100.00	2,707.07	100.00	2,687.69	100.00	32,009.66	100.00

TABLE 1.4.1 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN AMHARA REGION, 1995/96 (1989 E.C.)

North Gonder Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				TOTAL			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	373.68	83.93	4,551.63	87.88	**	**	**	**	378.17	83.98	4,552 31	87.88
Teff	109.53	24.60	977.93	18.88	**	**	-	-	110.97	24.64	977 93	18.38
Wheat	15.57	3.50	**	**	-	-	-	-	15.57	3.46	**	**
Barley	37.52	8.43	420.03	8.11	**	**	**	**	38.31	8.51	420 71	8.12
Maize	38.24	8.59	520.84	10.06	**	**	-	-	39.06	8.67	520 84	10.05
Sorghum	144.64	32.49	1,924.96	37.17	**	**	-	-	145.93	32.41	1,924.96	37.16
Milet	27.34	6.14	437.36	8.44	**	**	-	-	27.49	6.10	437.36	8.44
Oats	**	**	**	**	-	-	-	-	**	**	**	**
Pulses	38.71	8.69	452.09	8.73	**	**	-	-	39.26	8.72	452.09	8.73
Horse Beans	8.60	1.93	102.33	1.98	**	**	-	-	8.64	1.92	102.33	1.98
Field Peas	3.07	.69	30.89	.60	**	**	-	-	3.58	.80	30.89	.60
Haricot Beans	**	**	3.88	.07	-	-	-	-	**	**	**	**
Chick Peas	16.62	3.73	265.20	5.12	-	-	-	-	16.62	3.69	265.20	5.12
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	**	**	**	**	-	-	-	-	**	**	**	**
Others	32.86	7.38	175.59	3.39	-	-	-	-	32.86	7.30	175.59	3.39
Neug	15.85	3.56	138.46	2.67	-	-	-	-	15.85	3.52	138.46	2.67
Linseed	1.03	.23	**	**	-	-	-	-	1.03	.23	**	**
Rapeseed	**	**	**	**	-	-	-	-	**	**	**	**
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	**	**	**	**	-	-	-	-	**	**	**	**
Fenugreek	**	**	**	**	-	-	-	-	**	**	**	**
All Crops	445.25	100.00	5,179.31	100.00	5.04	100.00	.68	100.00	450.29	100.00	5,179.99	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.4.2 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN AMHARA REGION, 1995/96 (1989 E.C.)

South Gonder Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	319.49	83.02	2,945.12	83.77	**	**	**	**	321.53	83.11	2,977.57	83.92
Teff	114.86	29.85	798.34	22.71	**	**	**	**	115.23	29.78	801.54	22.59
Wheat	29.63	7.70	270.77	7.70	**	**	**	**	30.21	7.81	276.83	7.80
Barley	53.88	14.00	457.74	13.02	**	**	**	**	54.61	14.12	465.96	13.13
Maize	45.96	11.94	476.29	13.55	**	**	**	**	46.32	11.97	491.26	13.85
Sorghum	45.33	11.78	553.49	15.74	-	-	-	-	45.33	11.72	553.49	15.60
Milet	29.83	7.75	388.49	11.05	-	-	-	-	29.83	7.71	388.49	10.95
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	47.83	12.43	395.15	11.24	-	-	-	-	47.83	12.36	395.15	11.14
Horse Beans	11.06	2.87	116.12	3.30	-	-	-	-	11.06	2.86	116.12	3.27
Field Peas	3.82	.99	30.37	.86	-	-	-	-	3.82	.99	30.37	.86
Haricot Beans	5.49	1.43	**	**	-	-	-	-	**	**	**	**
Chick Peas	16.37	4.25	141.66	4.03	-	-	-	-	16.37	4.23	141.66	3.99
Lentils	.20	.05	**	**	-	-	-	-	**	**	**	**
Vetch	10.89	2.83	50.03	1.42	-	-	-	-	10.89	2.81	50.03	1.41
Others	17.53	4.56	175.56	4.99	-	-	-	-	17.53	4.53	175.56	4.95
Neug	9.52	2.47	103.83	2.95	-	-	-	-	9.52	2.46	103.83	2.93
Linseed	4.66	1.21	35.71	1.02	-	-	-	-	**	**	**	**
Rapeseed	.08	.02	**	**	-	-	-	-	**	**	**	**
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	1.07	.28	**	**	-	-	-	-	**	**	**	**
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	2.20	.57	**	**	-	-	-	-	**	**	**	**
All Crops	384.85	100.00	3,515.83	100.00	2.04	100.00	32.45	100.00	386.89	100.00	3,548.28	100.00

TABLE 1.4.3 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN AMHARA REGION, 1995/96 (1989 E.C.)

North Wolo Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	112.21	78.44	1,423.84	79.79	7.01	85.70	110.87	86.33	119.22	78.83	1,534.71	80.23
Teff	35.57	24.87	462.40	25.91	**	**	**	**	37.36	24.70	483.22	25.26
Wheat	25.20	17.62	265.87	14.90	**	**	**	**	26.35	17.42	293.35	15.33
Barley	17.06	11.93	213.56	11.97	2.04	24.94	35.69	27.79	19.10	12.63	249.25	13.03
Maize	3.31	2.31	**	**	**	**	**	**	4.71	3.11	**	**
Sorghum	28.64	20.02	385.91	21.63	**	**	**	**	28.70	18.98	386.77	20.22
Milet	.99	.69	**	**	-	-	-	-	.99	.65	**	**
Oats	**	**	**	**	**	**	**	**	**	**	**	**
Pulses	27.29	19.08	309.70	17.35	**	**	**	**	28.46	18.82	327.26	17.11
Horse Beans	6.15	4.30	67.89	3.80	**	**	**	**	6.23	4.12	69.28	3.62
Field Peas	4.73	3.31	55.99	3.14	**	**	**	**	4.96	3.28	58.23	3.04
Haricot Beans	.06	.04	.62	.03	-	-	-	-	.06	.04	.62	.03
Chick Peas	**	**	**	**	.68	8.31	**	**	**	**	60.11	3.14
Lentils	6.76	4.73	70.79	3.97	**	**	**	**	6.94	4.59	72.76	3.80
Vetch	**	**	**	**	-	-	-	-	**	**	**	**
Others	3.55	2.48	50.98	2.86	-	-	-	-	3.55	2.35	50.98	2.66
Neug	**	**	**	**	-	-	-	-	**	**	**	**
Linseed	2.35	1.64	**	**	-	-	-	-	2.35	1.55	26.48	1.38
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	.01	.01	-	-	-	-	-	-	**	**	-	-
Fenugreek	**	**	**	**	-	-	-	-	**	**	**	**
All Crops	143.05	100.00	1,784.52	100.00	8.18	100.00	128.43	100.00	151.23	100.00	1,912.95	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.4.4 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN AMHARA REGION, 1995/96 (1989 E.C.)

South Wolo Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	215.29	83.12	3,154.75	83.83	**	**	**	**	334.48	87.30	5,400.46	89.28
Teff	57.21	22.09	686.44	18.24	**	**	**	**	70.06	18.29	838.89	13.87
Wheat	19.74	7.62	197.95	5.26	.93	.75	17.63	.77	20.67	5.39	215.58	3.56
Barley	28.77	11.11	297.90	7.92	**	**	**	**	**	**	**	**
Maize	14.07	5.43	405.52	10.78	**	**	-	-	15.01	3.92	405.52	6.70
Sorghum	90.49	34.94	1,514.38	40.24	**	**	**	**	90.73	23.68	1,530.26	25.30
Milet	**	**	**	**	-	-	-	-	**	**	**	**
Oats	2.25	.87	**	**	.78	.63	11.62	.51	3.03	.79	42.66	.71
Pulses	40.23	15.53	573.61	15.24	**	**	38.83	1.70	44.82	11.70	612.44	10.13
Horse Beans	16.58	6.40	244.13	6.49	**	**	**	**	16.63	4.34	245.19	4.05
Field Peas	7.10	2.74	110.19	2.93	1.39	1.12	16.03	.70	8.49	2.22	126.22	2.09
Haricot Beans	.97	.37	9.70	.26	-	-	-	-	.97	.25	9.70	.16
Chick Peas	**	**	**	**	**	**	**	**	7.79	2.03	49.13	.81
Lentils	2.31	.89	28.64	.76	.59	.48	**	**	2.90	.76	35.83	.59
Vetch	7.89	3.05	143.68	3.82	**	**	**	**	8.04	2.10	146.37	2.42
Others	**	**	34.85	.93	**	**	**	**	**	**	35.76	.59
Neug	**	**	**	**	-	-	-	-	.27	.07	**	**
Linseed	**	**	**	**	**	**	**	**	**	**	**	**
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	**	**	**	**	**	**	**	**	**	**	**	**
All Crops	259.01	100.00	3,763.21	100.00	124.14	100.00	2,285.45	100.00	383.15	100.00	6,048.66	100.00

TABLE 1.4.5 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN AMHARA REGION, 1995/96 (1989 E.C.)

North Shewa Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	197.44	89.34	3,301.66	90.58	11.55	87.24	**	**	208.99	89.22	3,439.72	89.57
Teff	81.32	36.80	1,092.98	29.99	4.75	35.88	**	**	86.07	36.75	1,106.81	28.82
Wheat	29.13	13.18	**	**	**	**	**	**	31.50	13.45	**	**
Barley	23.79	10.77	584.92	16.05	**	**	**	**	24.64	10.52	653.22	17.01
Maize	5.27	2.38	122.11	3.35	2.03	15.33	**	**	7.30	3.12	146.66	3.82
Sorghum	57.93	26.21	888.50	24.38	**	**	**	**	59.44	25.38	890.33	23.18
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	**	**	**	**	**	**	**	**
Pulses	22.34	10.11	324.85	8.91	**	**	**	**	24.03	10.26	382.10	9.95
Horse Beans	6.56	2.97	172.27	4.73	-	-	-	-	6.56	2.80	172.27	4.49
Field Peas	**	**	**	**	**	**	**	**	**	**	**	**
Haricot Beans	**	**	**	**	**	**	**	**	**	**	**	**
Chick Peas	6.64	3.00	59.64	1.64	**	**	**	**	8.04	3.43	86.12	2.24
Lentils	**	**	**	**	**	**	-	-	**	**	**	**
Vetch	**	**	**	**	-	-	-	-	**	**	**	**
Others	**	**	**	**	-	-	-	-	**	**	**	**
Neug	**	**	**	**	-	-	-	-	**	**	**	**
Linseed	**	**	**	**	-	-	-	-	**	**	**	**
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	**	**	**	**	-	-	-	-	**	**	**	**
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	**	**	**	**	-	-	-	-	**	**	**	**
All Crops	220.99	100.00	3,644.83	100.00	13.24	100.00	195.31	100.00	234.23	100.00	3,840.14	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.4.6 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN AMHARA REGION, 1995/96 (1989 E.C.)

East Gojam Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	336.31	78.83	4,001.16	81.69	**	**	**	**	336.43	78.27	4,003.04	81.48
Teff	153.73	36.03	1,919.07	39.18	-	-	-	-	153.73	35.77	1,919.07	39.06
Wheat	44.72	10.48	376.12	7.68	-	-	-	-	44.72	10.40	376.12	7.66
Barley	35.92	8.42	335.97	6.86	**	**	**	**	36.04	8.38	337.85	6.88
Maize	54.64	12.81	506.50	10.34	-	-	-	-	54.64	12.71	506.50	10.31
Sorghum	47.18	11.06	861.70	17.59	-	-	-	-	47.18	10.98	861.70	17.54
Milet	.12	.03	1.80	.04	-	-	-	-	.12	.03	1.80	.04
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	73.19	17.16	806.38	16.46	**	**	**	**	76.27	17.74	819.39	16.68
Horse Beans	9.07	2.13	85.66	1.75	-	-	-	-	9.07	2.11	**	**
Field Peas	3.68	.86	31.93	.65	-	-	-	-	3.68	.86	31.93	.65
Haricot Beans	**	**	**	**	**	**	**	**	**	**	85.61	1.74
Chick Peas	32.91	7.71	319.13	6.52	-	-	-	-	32.91	7.66	319.13	6.50
Lentils	**	**	**	**	-	-	-	-	**	**	**	**
Vetch	21.80	5.11	296.40	6.05	-	-	-	-	21.80	5.07	296.40	6.03
Others	**	**	90.25	1.84	-	-	-	-	**	**	90.25	1.84
Neug	**	**	**	**	-	-	-	-	**	**	**	**
Linseed	**	**	48.51	.99	-	-	-	-	**	**	48.51	.99
Rapeseed	**	**	**	**	-	-	-	-	**	**	**	**
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	**	**	**	**	-	-	-	-	**	**	**	**
All Crops	426.63	100.00	4,897.79	100.00	3.20	100.00	14.89	100.00	429.83	100.00	4,912.68	100.00

TABLE 1.4.7 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN AMHARA REGION, 1995/96 (1989 E.C.)

West Gojam Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	328.73	83.32	3,170.44	83.11	**	**	**	**	329.03	83.21	3,174.36	83.00
Teff	135.66	34.39	1,037.12	27.19	-	-	-	-	135.66	34.31	1,037.12	27.12
Wheat	6.26	1.59	70.47	1.85	-	-	-	-	6.26	1.58	70.47	1.84
Barley	32.82	8.32	317.72	8.33	**	**	**	**	33.12	8.38	321.64	8.41
Maize	81.03	20.54	864.10	22.65	-	-	-	-	81.03	20.49	864.10	22.59
Sorghum	13.58	3.44	216.57	5.68	-	-	-	-	13.58	3.43	216.57	5.66
Milet	59.07	14.97	661.40	17.34	-	-	-	-	59.07	14.94	661.40	17.29
Oats	**	**	**	**	-	-	-	-	**	**	**	**
Pulses	35.38	8.97	380.60	9.98	**	**	**	**	35.96	9.09	386.29	10.10
Horse Beans	7.67	1.94	94.38	2.47	-	-	-	-	7.67	1.94	94.38	2.47
Field Peas	5.25	1.33	54.73	1.43	-	-	-	-	5.25	1.33	54.73	1.43
Haricot Beans	1.62	.41	**	**	**	**	**	**	**	**	**	**
Chick Peas	9.88	2.50	**	**	**	**	.71	7.39	9.93	2.51	**	**
Lentils	**	**	**	**	-	-	-	-	**	**	**	**
Vetch	10.85	2.75	**	**	**	**	**	**	11.08	2.80	**	**
Others	30.41	7.71	263.90	6.92	-	-	-	-	30.41	7.69	263.90	6.90
Neug	27.76	7.04	232.92	6.11	-	-	-	-	27.76	7.02	232.92	6.09
Linseed	2.56	.65	23.54	.62	-	-	-	-	2.56	.65	23.54	.62
Rapeseed	**	**	**	**	-	-	-	-	**	**	**	**
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	394.52	100.00	3,814.94	100.00	.88	100.00	9.61	100.00	395.40	100.00	3,824.55	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.4.8 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN AMHARA REGION, 1995/96 (1989 E.C.)

Waghamera Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	61.36	89.42	591.90	89.33	**	**	**	**	61.39	89.42	592.26	89.34
Teff	15.93	23.21	118.38	17.87	-	-	-	-	15.93	23.20	118.38	17.86
Wheat	5.75	8.38	56.72	8.56	-	-	-	-	5.75	8.38	56.72	8.56
Barley	13.32	19.41	127.57	19.25	-	-	-	-	13.32	19.40	127.57	19.24
Maize	.83	1.21	**	**	-	-	-	-	.83	1.21	**	**
Sorghum	25.36	36.96	276.08	41.67	.03	100.00	.36	100.00	25.39	36.98	276.44	41.70
Milet	**	**	**	**	-	-	-	-	**	**	**	**
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	5.58	8.13	62.60	9.45	-	-	-	-	5.58	8.13	62.60	9.44
Horse Beans	2.03	2.96	21.88	3.30	-	-	-	-	2.03	2.96	21.88	3.30
Field Peas	1.23	1.79	12.48	1.88	-	-	-	-	1.23	1.79	12.48	1.88
Haricot Beans	**	**	**	**	-	-	-	-	**	**	**	**
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	**	**	**	**	-	-	-	-	**	**	**	**
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	**	**	**	**	-	-	-	-	**	**	**	**
Neug	.03	.04	**	**	-	-	-	-	**	**	**	**
Linseed	.20	.29	2.00	.30	-	-	-	-	.20	.29	2.00	.30
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	**	**	**	**	-	-	-	-	**	**	**	**
Sesame	**	**	**	**	-	-	-	-	**	**	**	**
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	68.62	100.00	662.58	100.00	.03	100.00	.36	100.00	68.65	100.00	662.94	100.00

TABLE 1.4.9 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN AMHARA REGION, 1995/96 (1989 E.C.)

Agewawi Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	141.05	86.52	1,573.85	88.82	**	**	**	**	142.04	86.53	1,575.17	88.82
Teff	52.77	32.37	548.52	30.96	**	**	**	**	53.06	32.32	548.81	30.95
Wheat	2.15	1.32	18.55	1.05	**	**	**	**	2.18	1.33	18.85	1.06
Barley	18.92	11.61	181.26	10.23	**	**	**	**	18.96	11.55	181.28	10.22
Maize	27.09	16.62	249.18	14.06	**	**	**	**	27.32	16.64	249.43	14.06
Sorghum	**	**	**	**	-	-	-	-	**	**	**	**
Milet	32.51	19.94	420.40	23.72	**	**	**	**	32.91	20.05	420.86	23.73
Oats	**	**	**	**	-	-	-	-	**	**	**	**
Pulses	3.84	2.36	34.15	1.93	-	-	-	-	3.84	2.34	34.15	1.93
Horse Beans	2.05	1.26	**	**	-	-	-	-	2.05	1.25	**	**
Field Peas	1.03	.63	10.21	.58	-	-	-	-	1.03	.63	10.21	.58
Haricot Beans	-	-	.28	.02	-	-	-	-	**	**	**	**
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	**	**	-	-	-	-	-	-	**	**	-	-
Others	18.13	11.12	163.99	9.25	**	**	**	**	18.28	11.14	164.16	9.26
Neug	16.66	10.22	157.44	8.88	**	**	**	**	16.81	10.24	157.61	8.89
Linseed	**	**	**	**	-	-	-	-	**	**	**	**
Rapeseed	**	**	**	**	-	-	-	-	**	**	**	**
Ground Nuts	**	**	-	-	-	-	-	-	**	**	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	**	**	**	**	-	-	-	-	**	**	**	**
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	163.02	100.00	1,771.99	100.00	1.14	100.00	1.49	100.00	164.16	100.00	1,773.48	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.4.10 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN AMHARA REGION, 1995/96 (1989 E.C.)

Oromia Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	20.31	95.17	254.67	95.16	2.40	95.62	37.41	97.35	22.71	95.22	292.08	95.43
Teff	6.07	28.44	45.81	17.12	.71	28.29	5.41	14.08	6.78	28.43	51.22	16.74
Wheat	**	**	**	**	**	**	**	**	**	**	**	**
Barley	**	**	**	**	**	**	**	**	**	**	**	**
Maize	3.40	15.93	55.61	20.78	.39	15.54	14.13	36.77	3.79	15.89	69.74	22.79
Sorghum	9.94	46.58	144.21	53.88	-	-	-	-	9.94	41.68	144.21	47.12
Milet	**	**	**	**	**	**	**	**	**	**	**	**
Oats	**	**	**	**	**	**	**	**	**	**	**	**
Pulses	.86	4.03	**	**	**	**	**	**	.97	4.07	13.60	4.44
Horse Beans	.27	1.27	**	**	**	**	**	**	.29	1.22	**	**
Field Peas	.18	.84	**	**	**	**	**	**	.20	.84	**	**
Haricot Beans	**	**	**	**	-	-	-	-	**	**	**	**
Chick Peas	**	**	**	**	**	**	**	**	**	**	**	**
Lentils	**	**	**	**	-	-	-	-	.07	.29	**	**
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	**	**	**	**	-	-	-	-	**	**	**	**
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	**	**	**	**	-	-	-	-	**	**	**	**
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	**	**	**	**	-	-	-	-	**	**	**	**
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	21.34	100.00	267.63	100.00	2.51	100.00	38.43	100.00	23.85	100.00	306.06	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.5 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN OROMIA REGION, 1995/96 (1989 E.C.)

Oromia(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	2,963.62	84.62	36,791.27	81.80	236.80	92.17	2,525.91	96.35	3,200.42	85.14	39,317.18	82.60
Teff	1,038.25	29.65	7,738.42	17.21	29.19	11.36	245.34	9.36	1,067.44	28.40	7,983.76	16.77
Wheat	511.78	14.61	7,176.47	15.96	50.78	19.76	583.60	22.26	562.56	14.97	7,760.07	16.30
Barley	455.23	13.00	6,969.33	15.50	53.44	20.80	552.27	21.07	508.67	13.53	7,521.60	15.80
Maize	630.88	18.01	9,897.58	22.01	71.13	27.68	837.27	31.94	702.01	18.67	10,734.85	22.55
Sorghum	270.29	7.72	4,147.32	9.22	**	**	**	**	295.70	7.87	4,360.89	9.16
Milet	38.14	1.09	564.36	1.25	**	**	**	**	39.30	1.05	573.43	1.20
Oats	19.05	.54	297.79	.66	5.69	2.21	84.79	3.23	24.74	.66	382.58	.80
Pulses	415.31	11.86	7,407.97	16.47	12.40	4.83	77.90	2.97	427.71	11.38	7,485.87	15.73
Horse Beans	**	**	5,689.73	12.65	**	**	**	**	**	**	5,705.39	11.99
Field Peas	63.53	1.81	**	**	**	**	36.57	1.40	69.31	1.84	**	**
Haricot Beans	45.29	1.29	317.29	.71	3.46	1.35	24.12	.92	48.75	1.30	341.41	.72
Chick Peas	44.33	1.27	263.18	.59	**	**	**	**	44.85	1.19	264.00	.55
Lentils	15.58	.44	92.49	.21	**	**	**	**	15.69	.42	92.52	.19
Vetch	24.02	.69	221.17	.49	**	**	**	**	24.08	.64	221.87	.47
Others	123.29	3.52	776.99	1.73	**	**	**	**	131.02	3.49	794.66	1.67
Neug	43.01	1.23	207.84	.46	-	-	**	**	43.01	1.14	208.32	.44
Linseed	66.49	1.90	412.61	.92	-	-	-	-	66.49	1.77	412.61	.87
Rapeseed	**	**	**	**	-	-	-	-	**	**	**	**
Ground Nuts	**	**	**	**	-	-	-	-	**	**	**	**
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	**	**	**	**	-	-	-	-	**	**	**	**
Fenugreek	3.65	.10	**	**	**	**	**	**	**	**	**	**
All Crops	3,502.22	100.00	44,976.23	100.00	256.93	100.00	2,621.48	100.00	3,759.15	100.00	47,597.71	100.00

TABLE 1.5.1 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN OROMIA REGION, 1995/96 (1989 E.C.)

West Welega Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	217.35	92.15	3,618.89	90.43	4.36	83.21	82.76	87.10	221.71	91.95	3,701.65	90.35
Teff	49.18	20.85	344.31	8.60	**	**	**	**	49.75	20.63	345.62	8.44
Wheat	8.69	3.68	119.66	2.99	**	**	**	**	8.75	3.63	120.33	2.94
Barley	4.58	1.94	56.01	1.40	.69	13.17	6.45	6.79	5.27	2.19	62.46	1.52
Maize	85.64	36.31	1,758.26	43.93	2.80	53.44	69.78	73.44	88.44	36.68	1,828.04	44.62
Sorghum	48.44	20.54	1,086.23	27.14	**	**	**	**	48.57	20.14	1,090.33	26.61
Milet	20.82	8.83	254.42	6.36	**	**	**	**	20.93	8.68	254.87	6.22
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	14.18	6.01	349.52	8.73	.88	16.79	**	**	15.06	6.25	361.30	8.82
Horse Beans	6.05	2.56	260.93	6.52	**	**	**	**	6.26	2.60	265.23	6.47
Field Peas	1.24	.53	6.27	.16	-	-	-	-	1.24	.51	6.27	.15
Haricot Beans	6.37	2.70	78.33	1.96	.67	12.79	7.48	7.87	**	**	85.81	2.09
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	**	**	**	**	-	-	-	-	**	**	**	**
Others	**	**	33.59	.84	-	-	**	**	**	**	**	**
Neug	**	**	**	**	-	-	**	**	**	**	**	**
Linseed	**	**	**	**	-	-	-	-	**	**	**	**
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	235.87	100.00	4,002.00	100.00	5.24	100.00	95.02	100.00	241.11	100.00	4,097.02	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.5.2 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN OROMIA REGION, 1995/96 (1989 E.C.)

East Welega Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	242.79	85.70	3,486.31	86.81	**	**	29.77	100.00	245.10	85.82	3,516.08	86.91
Teff	100.34	35.42	832.49	20.73	**	**	**	**	100.35	35.14	835.85	20.66
Wheat	18.98	6.70	377.94	9.41	**	**	**	**	19.19	6.72	378.60	9.36
Barley	19.24	6.79	258.85	6.45	**	**	**	**	20.66	7.23	264.38	6.53
Maize	73.21	25.84	1,619.42	40.32	.66	28.57	19.77	66.41	73.87	25.86	1,639.19	40.52
Sorghum	19.98	7.05	253.33	6.31	**	**	-	-	19.98	7.00	253.33	6.26
Milet	10.94	3.86	142.00	3.54	**	**	**	**	10.95	3.83	142.45	3.52
Oats	**	**	**	**	-	-	-	-	**	**	**	**
Pulses	14.49	5.11	413.13	10.29	-	-	-	-	14.49	5.07	413.13	10.21
Horse Beans	8.79	3.10	355.47	8.85	-	-	-	-	8.79	3.08	355.47	8.79
Field Peas	**	**	**	**	-	-	-	-	**	**	**	**
Haricot Beans	**	**	**	**	-	-	-	-	**	**	**	**
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	**	**	**	**	-	-	-	-	**	**	**	**
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	26.01	9.18	116.58	2.90	-	-	-	-	26.01	9.11	116.58	2.88
Neug	23.70	8.37	98.90	2.46	-	-	-	-	23.70	8.30	98.90	2.44
Linseed	**	**	**	**	-	-	-	-	**	**	**	**
Rapeseed	**	**	**	**	-	-	-	-	**	**	**	**
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	**	**	**	**	-	-	-	-	**	**	**	**
Fenugreek	**	**	-	-	-	-	-	-	**	**	-	-
All Crops	283.29	100.00	4,016.02	100.00	2.31	100.00	29.77	100.00	285.60	100.00	4,045.79	100.00

TABLE 1.5.3 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN OROMIA REGION, 1995/96 (1989 E.C.)

Illibabor Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	86.74	91.65	1,569.34	89.72	.45	88.24	**	**	87.19	91.63	1,576.66	89.74
Teff	28.64	30.26	243.28	13.91	**	**	**	**	28.68	30.14	243.30	13.85
Wheat	**	**	**	**	-	-	-	-	**	**	**	**
Barley	1.25	1.32	12.58	.72	**	**	**	**	1.45	1.52	14.68	.84
Maize	43.58	46.05	1,074.23	61.42	**	**	**	**	43.79	46.02	1,079.43	61.44
Sorghum	11.70	12.36	215.75	12.34	-	-	-	-	11.70	12.30	215.75	12.28
Milet	1.33	1.41	18.63	1.07	-	-	-	-	1.33	1.40	18.63	1.06
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	7.28	7.69	176.86	10.11	**	**	**	**	7.34	7.71	177.35	10.09
Horse Beans	3.49	3.69	137.09	7.84	-	-	-	-	3.49	3.67	137.09	7.80
Field Peas	1.15	1.22	7.97	.46	-	-	-	-	1.15	1.21	7.97	.45
Haricot Beans	**	**	**	**	**	**	**	**	**	**	**	**
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	**	**	**	**	-	-	-	-	**	**	**	**
Others	**	**	**	**	-	-	-	-	**	**	**	**
Neug	**	**	**	**	-	-	-	-	**	**	**	**
Linseed	**	**	**	**	-	-	-	-	**	**	**	**
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	**	**	**	**	-	-	-	-	**	**	**	**
All Crops	94.64	100.00	1,749.08	100.00	.51	100.00	7.81	100.00	95.15	100.00	1,756.89	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.5.4 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN OROMIA, 1995/96 (1989 E.C.)

Jimma Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	250.10	93.14	3,034.71	87.28	1.46	97.33	**	**	251.56	93.16	3,064.27	87.37
Teff	110.47	41.14	951.47	27.37	-	-	-	-	110.47	40.91	951.47	27.13
Wheat	11.59	4.32	154.16	4.43	-	-	-	-	11.59	4.29	154.16	4.40
Barley	15.36	5.72	177.89	5.12	.35	23.33	**	**	15.71	5.82	182.74	5.21
Maize	80.09	29.83	1,025.08	29.48	.94	62.67	19.58	64.77	81.03	30.01	1,044.66	29.79
Sorghum	26.73	9.95	552.70	15.90	**	**	**	**	26.90	9.96	557.83	15.91
Milet	**	**	**	**	-	-	-	-	**	**	**	**
Oats	**	**	**	**	-	-	-	-	**	**	**	**
Pulses	14.59	5.43	421.26	12.12	**	**	**	**	14.63	5.42	421.93	12.03
Horse Beans	9.79	3.65	377.64	10.86	-	-	-	-	9.79	3.63	377.64	10.77
Field Peas	**	**	**	**	-	-	-	-	**	**	**	**
Haricot Beans	**	**	**	**	**	**	**	**	**	**	**	**
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	**	**	**	**	-	-	-	-	**	**	**	**
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	3.83	1.43	20.97	.60	-	-	-	-	3.83	1.42	20.97	.60
Neug	**	**	**	**	-	-	-	-	**	**	**	**
Linseed	**	**	**	**	-	-	-	-	**	**	**	**
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	**	**	**	**	-	-	-	-	**	**	**	**
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	268.52	100.00	3,476.94	100.00	1.50	100.00	30.23	100.00	270.02	100.00	3,507.17	100.00

TABLE 1.5.5 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN OROMIA REGION, 1995/96 (1989 E.C.)

West Shewa Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	377.85	83.45	4,582.64	83.67	**	**	**	**	378.32	83.46	4,590.60	83.69
Teff	191.43	42.28	1,490.01	27.20	-	-	-	-	191.43	42.23	1,490.01	27.16
Wheat	79.85	17.63	975.21	17.80	-	-	-	-	79.85	17.62	975.21	17.78
Barley	49.26	10.88	1,025.33	18.72	.38	80.85	6.13	77.01	49.64	10.95	1,031.46	18.80
Maize	33.39	7.37	600.20	10.96	**	**	**	**	33.48	7.39	602.03	10.98
Sorghum	23.33	5.15	487.30	8.90	-	-	-	-	23.33	5.15	487.30	8.88
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	**	**	**	**	-	-	-	-	**	**	**	**
Pulses	53.12	11.73	717.27	13.10	-	-	-	-	53.12	11.72	717.27	13.08
Horse Beans	13.07	2.89	484.32	8.84	-	-	-	-	13.07	2.88	484.32	8.83
Field Peas	**	**	68.11	1.24	-	-	-	-	**	**	68.11	1.24
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	26.89	5.94	**	**	-	-	-	-	26.89	5.93	**	**
Lentils	1.45	.32	10.18	.19	-	-	-	-	1.45	.32	10.18	.19
Vetch	7.49	1.65	47.79	.87	-	-	-	-	7.49	1.65	47.79	.87
Others	21.83	4.82	177.40	3.24	-	-	-	-	21.83	4.82	177.40	3.23
Neug	**	**	**	**	-	-	-	-	**	**	**	**
Linseed	13.41	2.96	108.40	1.98	-	-	-	-	13.41	2.96	108.40	1.98
Rapeseed	**	**	**	**	-	-	-	-	**	**	**	**
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	452.80	100.00	5,477.31	100.00	.47	100.00	7.96	100.00	453.27	100.00	5,485.27	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.5.6 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN OROMIA REGION, 1995/96 (1989 E.C.)

North Shewa Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	177.76	77.01	2,503.93	76.65	**	**	**	**	180.86	77.13	2,530.61	76.77
Teff	70.21	30.42	590.45	18.08	-	-	-	-	70.21	29.94	590.45	17.91
Wheat	38.65	16.74	502.72	15.39	.31	8.47	**	**	38.96	16.61	506.22	15.36
Barley	32.91	14.26	517.48	15.84	1.91	52.19	**	**	34.82	14.85	527.20	15.99
Maize	3.67	1.59	**	**	**	**	**	**	3.73	1.59	**	**
Sorghum	32.16	13.93	421.88	12.91	**	**	**	**	32.88	14.02	433.99	13.17
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	**	**	**	**	**	**	**	**	**	**	**	**
Pulses	45.98	19.92	708.95	21.70	**	**	**	**	46.54	19.85	712.19	21.60
Horse Beans	17.02	7.37	427.82	13.10	-	-	-	-	17.02	7.26	427.82	12.98
Field Peas	4.78	2.07	**	**	**	**	**	**	5.34	2.28	**	**
Haricot Beans	**	**	**	**	-	-	-	-	**	**	**	**
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	8.75	3.79	54.75	1.68	-	-	-	-	8.75	3.73	**	**
Vetch	8.73	3.78	115.71	3.54	-	-	-	-	8.73	3.72	115.71	3.51
Others	7.09	3.07	53.73	1.64	-	-	-	-	7.09	3.02	53.73	1.63
Neug	**	**	13.74	.42	-	-	-	-	**	**	13.74	.42
Linseed	3.70	1.60	**	**	-	-	-	-	3.70	1.58	**	**
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	230.83	100.00	3,266.61	100.00	3.66	100.00	29.92	100.00	234.49	100.00	3,296.53	100.00

TABLE 1.5.7 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN OROMIA REGION, 1995/96 (1989 E.C.)

East Shewa Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	**	**	**	**	**	**	**	**	**	**	**	**
Teff	**	**	**	**	**	**	**	**	**	**	**	**
Wheat	**	**	**	**	-	-	-	-	**	**	**	**
Barley	**	**	**	**	**	**	**	**	**	**	**	**
Maize	81.14	8.91	730.63	8.04	-	-	**	**	81.14	8.90	743.15	8.10
Sorghum	**	**	**	**	-	-	**	**	**	**	**	**
Milet	**	**	**	**	-	-	-	-	**	**	**	**
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**	**	**	**	**	**	**	**	**	**	**	**
Horse Beans	**	**	**	**	-	-	-	-	**	**	**	**
Field Peas	**	**	**	**	-	-	-	-	**	**	**	**
Haricot Beans	28.44	3.12	119.80	1.32	**	**	**	**	28.72	3.15	120.35	1.32
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	**	**	**	**	-	-	-	-	**	**	**	**
Vetch	**	**	**	**	-	-	-	-	**	**	**	**
Others	**	**	**	**	-	-	-	-	**	**	**	**
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	**	**	**	**	-	-	-	-	**	**	**	**
Rapeseed	**	**	-	-	-	-	-	-	**	**	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	**	**	**	**	-	-	-	-	**	**	**	**
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	910.73	100.00	9,089.92	100.00	.91	100.00	74.72	100.00	911.64	100.00	9,164.64	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.5.8 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN OROMIA REGION, 1995/96 (1989 E.C.)

Arsi Zone(Both Season)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	365.72	81.97	5,512.66	85.01	14.85	71.95	134.95	77.90	380.57	81.52	5,647.61	84.82
Teff	39.34	8.82	380.04	5.86	**	**	**	**	39.50	8.46	384.44	5.77
Wheat	139.88	31.35	2,102.68	32.42	**	**	**	**	142.32	30.49	2,129.19	31.98
Barley	119.27	26.73	1,491.58	23.00	7.91	38.32	61.54	35.53	127.18	27.24	1,553.12	23.33
Maize	50.64	11.35	1,146.35	17.68	**	**	**	**	53.98	11.56	1,170.40	17.58
Sorghum	11.79	2.64	290.68	4.48	**	**	**	**	12.12	2.60	297.07	4.46
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	**	**	**	**	**	**	**	**	**	**	**	**
Pulses	36.04	8.08	716.24	11.04	**	**	**	**	41.37	8.86	754.52	11.33
Horse Beans	24.15	5.41	585.71	9.03	**	**	**	**	24.38	5.22	590.22	8.86
Field Peas	5.01	1.12	67.82	1.05	**	**	32.92	19.00	9.85	2.11	100.74	1.51
Haricot Beans	**	**	**	**	**	**	**	**	**	**	**	**
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	**	**	**	**	-	-	-	-	**	**	.76	.01
Vetch	**	**	**	**	-	-	-	-	**	**	**	**
Others	44.43	9.96	256.03	3.95	**	**	-	-	44.89	9.62	256.03	3.85
Neug	**	**	**	**	-	-	-	-	**	**	**	**
Linseed	36.34	8.14	166.99	2.58	-	-	-	-	36.34	7.78	166.99	2.51
Rapeseed	**	**	**	**	-	-	-	-	**	**	**	**
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	**	**	**	**	.46	2.23	-	-	**	**	**	**
All Crops	446.19	100.00	6,484.93	100.00	20.64	100.00	173.23	100.00	466.83	100.00	6,658.16	100.00

TABLE 1.5.9 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN OROMIA REGION, 1995/96 (1989 E.C.)

West Harerge Zone(Both Season)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	85.85	97.80	617.02	96.07	2.81	91.83	**	**	88.66	97.60	633.03	95.77
Teff	5.67	6.46	**	**	**	**	**	**	5.83	6.42	**	**
Wheat	**	**	**	**	-	-	-	-	**	**	**	**
Barley	5.18	5.90	54.89	8.55	**	**	**	**	6.30	6.94	**	**
Maize	31.07	35.40	290.95	45.30	1.15	37.58	**	**	32.22	35.47	299.29	45.28
Sorghum	43.56	49.62	239.96	37.36	**	**	**	**	43.94	48.37	240.15	36.33
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	**	**	**	**	-	-	-	-	**	**	**	**
Pulses	1.92	2.19	25.16	3.92	**	**	**	**	2.17	2.39	27.82	4.21
Horse Beans	**	**	**	**	**	**	**	**	1.36	1.50	**	**
Field Peas	**	**	**	**	-	-	-	-	**	**	**	**
Haricot Beans	**	**	**	**	-	-	**	**	**	**	**	**
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	**	**	.11	.02	-	-	-	-	**	**	**	**
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	**	**	**	**	-	-	-	-	**	**	**	**
All Crops	87.79	100.00	642.29	100.00	3.06	100.00	18.67	100.00	90.84	100.00	660.96	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.5.9 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN OROMIA, 1995/96 (1989 E.C.)

East Harerge Zone(Both Season)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	91.36	96.19	1,082.79	93.73	3.18	96.95	**	**	94.54	96.21	1,117.75	93.90
Teff	1.91	2.01	**	**	-	-	-	-	1.91	1.94	**	**
Wheat	4.44	4.67	35.66	3.09	**	**	**	**	4.71	4.79	37.83	3.18
Barley	4.48	4.72	55.54	4.81	**	**	**	**	5.38	5.48	61.81	5.19
Maize	38.24	40.26	567.71	49.14	1.43	43.60	**	**	39.67	40.37	590.22	49.59
Sorghum	41.18	43.36	385.90	33.40	**	**	**	**	41.70	42.44	389.87	32.75
Milet	.08	.08	.87	.08	-	-	-	-	.08	.08	.87	.07
Oats	**	**	**	**	**	**	**	**	**	**	**	**
Pulses	**	**	**	**	**	**	**	**	**	**	**	**
Horse Beans	**	**	**	**	-	-	-	-	**	**	**	**
Field Peas	**	**	**	**	-	-	-	-	**	**	**	**
Haricot Beans	**	**	**	**	**	**	**	**	**	**	**	**
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	**	**	**	**	-	-	-	-	**	**	**	**
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	**	**	**	**	-	-	-	-	**	**	2.29	.19
Neug	.06	.06	.23	.02	-	-	-	-	.06	.06	.23	.02
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	**	**	**	**	-	-	-	-	**	**	**	**
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	94.98	100.00	1,155.27	100.00	3.28	100.00	35.04	100.00	98.26	100.00	1,190.31	100.00

TABLE 1.5.10 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN OROMIA REGION, 1995/96 (1989 E.C.)

Bale Zone(Both Season)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	132.59	83.30	2,285.31	89.97	143.82	93.15	1,609.75	98.35	276.41	88.15	3,895.06	93.25
Teff	12.28	7.71	**	**	23.20	15.03	176.51	10.78	35.48	11.31	437.08	10.46
Wheat	56.93	35.76	813.71	32.03	46.82	30.33	539.05	32.93	103.75	33.09	1,352.76	32.39
Barley	41.22	25.90	685.33	26.98	37.56	24.33	429.75	26.26	78.78	25.12	1,115.08	26.70
Maize	8.58	5.39	299.24	11.78	25.73	16.67	351.64	21.48	34.31	10.94	650.88	15.58
Sorghum	**	**	**	**	**	**	**	**	**	**	**	**
Milet	**	**	**	**	**	**	**	**	**	**	**	**
Oats	10.61	6.67	149.40	5.88	4.86	3.15	71.62	4.38	15.47	4.93	221.02	5.29
Pulses	12.19	7.66	142.38	5.61	**	**	**	**	15.49	4.94	152.18	3.64
Horse Beans	1.97	1.24	51.00	2.01	**	**	**	**	**	**	57.77	1.38
Field Peas	**	**	**	**	**	**	**	**	4.36	1.39	**	**
Haricot Beans	**	**	**	**	**	**	**	**	**	**	**	**
Chick Peas	**	**	**	**	**	**	**	**	**	**	**	**
Lentils	**	**	**	**	**	**	**	**	.63	.20	**	**
Vetch	**	**	**	**	**	**	**	**	**	**	**	**
Others	14.40	9.05	112.53	4.43	**	**	**	**	21.67	6.91	129.72	3.11
Neug	**	**	**	**	-	-	-	-	**	**	**	**
Linseed	11.25	7.07	91.11	3.59	-	-	-	-	11.25	3.59	91.11	2.18
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	**	**	**	**	**	**	**	**	**	**	**	**
All Crops	159.18	100.00	2,540.22	100.00	154.39	100.00	1,636.74	100.00	313.57	100.00	4,176.96	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.5.11 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN OROMIA REGION, 1995/96 (1989 E.C.)

Borena Zone(Both Season)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	**	**	**	**	**	**	**	**	**	**	**	**
Teff	**	**	**	**	**	**	**	**	**	**	**	**
Wheat	**	**	**	**	**	**	**	**	**	**	**	**
Barley	**	**	**	**	**	**	**	**	**	**	**	**
Maize	**	**	314.56	10.23	**	**	**	**	**	**	618.27	17.38
Sorghum	**	**	**	**	**	**	**	**	**	**	**	**
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	2.66	1.12	**	**	**	**	**	**	**	**	**	**
Horse Beans	1.06	.45	**	**	-	-	-	-	**	**	**	**
Field Peas	**	**	**	**	-	-	-	-	**	**	**	**
Haricot Beans	**	**	**	**	**	**	**	**	**	**	**	**
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	237.34	100.00	3,075.58	100.00	60.98	100.00	482.41	100.00	298.32	100.00	3,557.99	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.6 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN SOMAL REGION, 1995/96 (1989 E.C.)

Somale(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	21.15	99.76	228.05	99.93	**	**	72.48	97.28	23.61	99.16	300.53	99.28
Teff	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	2.03	9.58	13.60	5.96	.14	5.36	.86	1.15	2.17	9.11	14.46	4.78
Barley	2.72	12.83	26.13	11.45	.06	2.30	**	**	2.78	11.68	26.52	8.76
Maize	8.46	39.91	109.38	47.93	1.41	54.02	41.12	55.19	9.87	41.45	150.50	49.72
Sorghum	7.92	37.36	78.68	34.48	**	**	30.11	40.41	8.77	36.83	108.79	35.94
Milet	**	**	**	**	-	-	-	-	**	**	**	**
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**	**	**	**	**	**	**	**	.18	.76	**	**
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	**	**	**	**	.13	4.98	**	**	.15	.63	**	**
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	.01	.05	**	**	-	-	-	-	**	**	**	**
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	**	**	**	**	**	**	**	**
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	.02	.77	**	**	**	**	**	**
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	21.20	100.00	228.20	100.00	2.61	100.00	74.51	100.00	23.81	100.00	302.71	100.00

TABLE 1.6.1 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN SOMALE REGION, 1995/96 (1989 E.C.)

Shinele Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	.15	100.00	**	**	**	**	1.77	100.00	.24	100.00	2.68	100.00
Teff	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	.01	6.67	.05	5.49	.01	11.11	.05	2.82	.02	8.33	.10	3.73
Barley	.01	6.67	.05	5.49	.01	11.11	.05	2.82	.02	8.33	.10	3.73
Maize	**	**	**	**	**	**	.64	36.16	**	**	1.29	48.13
Sorghum	.07	46.67	**	**	**	**	1.03	58.19	.11	45.83	1.19	44.40
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	.15	100.00	.91	100.00	.09	100.00	1.77	100.00	.24	100.00	2.68	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.6.2 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN SOMALE REGION, 1995/96 (1989 E.C.)

Jijiga Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	18.51	99.84	180.32	99.94	**	**	**	**	20.32	99.75	232.76	99.91
Teff	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	1.80	9.71	8.50	4.71	.10	5.46	.61	1.16	1.90	9.33	9.11	3.91
Barley	2.70	14.56	26.07	14.45	.03	1.64	**	**	2.73	13.40	26.38	11.32
Maize	6.98	37.65	80.38	44.55	**	**	27.86	53.03	7.93	38.93	108.24	46.46
Sorghum	7.01	37.81	65.11	36.09	**	**	**	**	7.74	38.00	88.77	38.11
Milet	**	**	**	**	-	-	-	-	**	**	**	**
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**	**	**	**	-	-	-	-	**	**	**	**
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	**	**	**	**	-	-	-	-	**	**	**	**
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	**	**	**	**	**	**	**	**
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	**	**	**	**	**	**	**	**
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	18.54	100.00	180.42	100.00	1.83	100.00	52.54	100.00	20.37	100.00	232.96	100.00

TABLE 1.6.3 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN SOMALE REGION, 1995/96 (1989 E.C.)

Moyale Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	2.49	99.20	46.83	99.89	.56	81.16	18.26	90.44	3.05	95.31	65.09	97.05
Teff	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	**	**	**	**	**	**	**	**	**	**	**	**
Barley	**	**	**	**	**	**	**	**	**	**	**	**
Maize	1.42	56.57	**	**	.43	62.32	12.62	62.51	1.85	57.81	40.97	61.09
Sorghum	**	**	**	**	**	**	**	**	**	**	**	**
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**	**	**	**	.13	18.84	**	**	.15	4.69	**	**
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	**	**	**	**	**	**	**	**	.15	4.69	**	**
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	2.51	100.00	46.88	100.00	.69	100.00	20.19	100.00	3.20	100.00	67.07	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.7 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN BENSHANGUL-GUMUZ REGION, 1995/96 (1989 E.C.)

Benshangul-Gumuz(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	99.82	80.44	1,191.56	90.86	.15	78.95	**	**	99.97	80.43	1,194.04	90.85
Teff	22.46	18.10	112.22	8.56	-	-	-	-	22.46	18.07	112.22	8.54
Wheat	**	**	**	**	-	-	-	-	**	**	**	**
Barley	**	**	**	**	-	-	-	-	**	**	**	**
Maize	22.77	18.35	476.00	36.30	.12	63.16	**	**	22.89	18.42	478.33	36.40
Sorghum	38.02	30.64	488.78	37.27	**	**	**	**	38.05	30.61	488.93	37.20
Milet	12.47	10.05	72.18	5.50	-	-	-	-	12.47	10.03	72.18	5.49
Oats	**	**	**	**	-	-	-	-	**	**	**	**
Pulses	4.09	3.30	35.76	2.73	.04	21.05	**	**	4.13	3.32	36.08	2.75
Horse Beans	.99	.80	15.00	1.14	-	-	-	-	.99	.80	15.00	1.14
Field Peas	**	**	**	**	-	-	-	-	**	**	**	**
Haricot Beans	2.55	2.05	16.64	1.27	.04	21.05	.32	11.43	2.59	2.08	16.96	1.29
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	**	**	**	**	-	-	-	-	**	**	**	**
Vetch	-	-	**	**	-	-	-	-	**	**	**	**
Others	20.19	16.27	84.15	6.42	-	-	-	-	20.19	16.24	84.15	6.40
Neug	15.39	12.40	49.66	3.79	-	-	-	-	15.39	12.38	49.66	3.78
Linseed	**	**	**	**	-	-	-	-	**	**	**	**
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	.85	.68	10.22	.78	-	-	-	-	.85	.68	10.22	.78
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	3.76	3.03	23.71	1.81	-	-	-	-	3.76	3.03	23.71	1.80
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	124.10	100.00	1,311.47	100.00	.19	100.00	2.80	100.00	124.29	100.00	1,314.27	100.00

TABLE 1.7.1 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS IN FOR PRIVATE HOLDINGS IN BENSHANGUL-GUMUZ REGION,1995/96 (1989 E.C.)

Metekel Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	49.93	82.42	701.65	90.02	**	**	**	**	50.02	82.45	702.37	90.03
Teff	12.30	20.30	72.51	9.30	-	-	-	-	12.30	20.27	72.51	9.29
Wheat	**	**	**	**	-	-	-	-	**	**	**	**
Barley	**	**	**	**	-	-	-	-	**	**	**	**
Maize	5.74	9.48	181.47	23.28	**	**	**	**	5.83	9.61	182.19	23.35
Sorghum	17.58	29.02	348.27	44.68	-	-	-	-	17.58	28.98	348.27	44.64
Milet	10.23	16.89	57.05	7.32	-	-	-	-	10.23	16.86	57.05	7.31
Oats	**	**	**	**	-	-	-	-	**	**	**	**
Pulses	2.86	4.72	25.64	3.29	-	-	-	-	2.86	4.71	25.64	3.29
Horse Beans	.60	.99	9.07	1.16	-	-	-	-	.60	.99	9.07	1.16
Field Peas	**	**	**	**	-	-	-	-	**	**	**	**
Haricot Beans	**	**	**	**	-	-	-	-	**	**	**	**
Chick Peas	**	**	-	-	-	-	-	-	**	**	-	-
Lentils	**	**	**	**	-	-	-	-	**	**	**	**
Vetch	**	**	**	**	-	-	-	-	**	**	**	**
Others	7.79	12.86	52.11	6.69	-	-	-	-	7.79	12.84	52.11	6.68
Neug	4.79	7.91	26.13	3.35	-	-	-	-	4.79	7.90	26.13	3.35
Linseed	**	**	**	**	-	-	-	-	**	**	**	**
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	**	**	**	**	-	-	-	-	**	**	**	**
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	2.72	4.49	20.74	2.66	-	-	-	-	2.72	4.48	20.74	2.66
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	60.58	100.00	779.40	100.00	.09	100.00	.72	100.00	60.67	100.00	780.12	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.7.2 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN BENSHANGUL-GUMUZ REGION, 1995/96 (1989 E.C.)

Asosa Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	37.16	76.34	200.80	88.85	.02	40.00	**	**	37.18	76.30	202.20	88.79
Teff	7.48	15.37	20.97	9.28	-	-	-	-	7.48	15.35	20.97	9.21
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Barley	**	**	**	**	-	-	-	-	**	**	**	**
Maize	11.61	23.85	96.86	42.86	.02	40.00	**	**	11.63	23.87	98.26	43.15
Sorghum	17.88	36.73	82.16	36.35	-	-	-	-	17.88	36.69	82.16	36.08
Milet	.17	.35	**	**	-	-	-	-	.17	.35	**	**
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	.64	1.31	**	**	**	**	.32	18.60	.67	1.37	2.80	1.23
Horse Beans	-	-	-	-	**	**	-	-	**	**	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	.55	1.13	**	**	**	**	.32	18.60	.58	1.19	2.77	1.22
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	10.88	22.35	22.72	10.05	-	-	-	-	10.88	22.33	22.72	9.98
Neug	9.42	19.35	16.60	7.35	-	-	-	-	9.42	19.33	16.60	7.29
Linseed	**	**	**	**	-	-	-	-	**	**	**	**
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	**	**	**	**	-	-	-	-	**	**	**	**
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	**	**	.62	.27	-	-	-	-	**	**	.62	.27
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	48.68	100.00	226.00	100.00	.05	100.00	1.72	100.00	48.73	100.00	227.72	100.00

TABLE 1.7.3 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN BENSHANGUL-GUMUZ REGION, 1995/96 (1989 E.C.)

Kemeshi Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	**	**	**	**	**	**	**	**	**	**	**	**
Teff	**	**	**	**	-	-	-	-	**	**	**	**
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-	-	-	-
Maize	**	**	**	**	.02	40.00	**	**	**	**	**	**
Sorghum	2.55	17.17	58.34	19.06	**	**	**	**	2.58	17.32	58.49	19.09
Milet	**	**	**	**	-	-	-	-	**	**	**	**
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**	**	**	**	**	**	**	**	**	**	**	**
Horse Beans	**	**	**	**	-	-	-	-	**	**	**	**
Field Peas	**	**	**	**	-	-	-	-	**	**	**	**
Haricot Beans	**	**	**	**	**	**	**	**	**	**	**	**
Chick Peas	**	**	-	-	-	-	-	-	**	**	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	**	**	**	**	-	-	-	-	**	**	**	**
Neug	**	**	**	**	-	-	-	-	**	**	**	**
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	**	**	**	**	-	-	-	-	**	**	**	**
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	.35	2.36	2.34	.76	-	-	-	-	.35	2.35	2.34	.76
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	14.85	100.00	306.04	100.00	.05	100.00	.37	100.00	14.90	100.00	306.41	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.8 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN S.N.N.P.R, 1995/96 (1989 E.C.)

(S.N.N.P.R)(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	493.98	88.19	7,434.26	92.69	178.78	85.81	1,206.79	93.20	672.76	87.55	8,641.05	92.76
Teff	147.47	26.33	1,203.52	15.01	15.00	7.20	77.62	5.99	162.47	21.14	1,281.14	13.75
Wheat	73.89	13.19	1,176.37	14.67	**	**	16.54	1.28	76.62	9.97	1,192.91	12.81
Barley	60.79	10.85	925.80	11.54	24.29	11.66	97.07	7.50	85.08	11.07	1,022.87	10.98
Maize	152.53	27.23	3,159.28	39.39	115.09	55.24	900.54	69.55	267.62	34.83	4,059.82	43.58
Sorghum	56.40	10.07	952.82	11.88	16.78	8.05	107.27	8.28	73.18	9.52	1,060.09	11.38
Milet	2.88	.51	16.04	.20	**	**	**	**	**	**	23.79	.26
Oats	**	**	**	**	-	-	-	-	**	**	**	**
Pulses	65.92	11.77	584.64	7.29	28.76	13.80	87.61	6.77	94.68	12.32	672.25	7.22
Horse Beans	28.90	5.16	327.86	4.09	**	**	8.57	.66	32.51	4.23	336.43	3.61
Field Peas	22.93	4.09	148.58	1.85	**	**	**	**	24.09	3.13	152.71	1.64
Haricot Beans	11.85	2.12	96.94	1.21	23.89	11.47	74.42	5.75	35.74	4.65	171.36	1.84
Chick Peas	**	**	10.54	.13	.10	.05	.49	.04	**	**	11.03	.12
Lentils	**	**	**	**	-	-	-	-	**	**	**	**
Vetch	**	**	**	**	-	-	-	-	**	**	**	**
Others	**	**	**	**	**	**	**	**	**	**	**	**
Neug	**	**	**	**	-	-	-	-	**	**	**	**
Linseed	**	**	**	**	-	-	-	-	**	**	**	**
Rapeseed	-	-	-	-	-	-	-	-	**	**	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	**	**	**	**	-	-	**	**	**	**	**	**
Sesame	-	-	-	-	**	**	**	**	**	**	**	**
Fenugreek	-	-	-	-	-	-	-	-	**	**	-	-
All Crops	560.10	100.00	8,020.65	100.00	208.34	100.00	1,294.83	100.00	768.44	100.00	9,315.48	100.00

TABLE 1.8.1 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN S.N.N.P.R, 1995/96 (1989 E.C.)

Gurage Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	121.30	88.24	1,649.49	91.74	**	**	**	**	121.43	88.25	1,654.73	91.77
Teff	36.56	26.60	192.90	10.73	**	**	**	**	36.62	26.62	193.84	10.75
Wheat	18.63	13.55	168.91	9.39	-	-	-	-	18.63	13.54	168.91	9.37
Barley	20.49	14.91	**	**	-	-	**	**	20.49	14.89	**	**
Maize	30.30	22.04	690.15	38.39	**	**	**	**	30.31	22.03	691.14	38.33
Sorghum	15.30	11.13	**	**	**	**	**	**	15.36	11.16	**	**
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	**	**	**	**	-	-	-	-	**	**	**	**
Pulses	16.12	11.73	148.17	8.24	-	-	-	-	16.12	11.72	148.17	8.22
Horse Beans	5.01	3.64	**	**	-	-	-	-	5.01	3.64	**	**
Field Peas	**	**	**	**	-	-	-	-	**	**	**	**
Haricot Beans	**	**	**	**	-	-	-	-	**	**	**	**
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	**	**	**	**	-	-	-	-	**	**	**	**
Others	**	**	**	**	-	-	-	-	**	**	**	**
Neug	**	**	**	**	-	-	-	-	**	**	**	**
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	137.46	100.00	1,797.93	100.00	.13	100.00	5.24	100.00	137.59	100.00	1,803.17	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.8.2 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN S.N.N.P.R, 1995/96 (1989 E.C.)

Hadiya Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	102.98	94.91	2,029.99	96.72	**	**	22.75	89.22	103.66	94.68	2,052.74	96.63
Teff	29.59	27.27	364.95	17.39	**	**	**	**	29.69	27.12	366.68	17.26
Wheat	33.39	30.77	722.49	34.42	**	**	**	**	33.42	30.52	722.56	34.01
Barley	4.91	4.53	90.77	4.32	.12	12.12	**	**	5.03	4.59	96.54	4.54
Maize	26.92	24.81	679.97	32.40	**	**	**	**	27.34	24.97	694.93	32.71
Sorghum	7.93	7.31	170.22	8.11	**	**	**	**	7.94	7.25	170.44	8.02
Milet	**	**	**	**	-	-	-	-	**	**	**	**
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	5.52	5.09	68.85	3.28	**	**	**	**	5.83	5.32	71.60	3.37
Horse Beans	3.36	3.10	57.75	2.75	**	**	**	**	3.38	3.09	57.82	2.72
Field Peas	1.74	1.60	7.78	.37	-	-	-	-	1.74	1.59	7.78	.37
Haricot Beans	**	**	**	**	**	**	**	**	**	**	**	**
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	108.50	100.00	2,098.84	100.00	.99	100.00	25.50	100.00	109.49	100.00	2,124.34	100.00

TABLE 1.8.3 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN S.N.N.P.R, 1995/96 (1989 E.C.)

Kembata Alaba Tembaro Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	57.04	97.39	446.82	97.67	**	**	**	**	59.24	97.00	462.60	97.49
Teff	13.72	23.42	72.95	15.95	**	**	**	**	14.33	23.46	73.38	15.46
Wheat	8.05	13.74	64.30	14.05	**	**	**	**	8.30	13.59	65.54	13.81
Barley	**	**	**	**	**	**	**	**	**	**	**	**
Maize	28.56	48.76	241.87	52.87	**	**	**	**	29.85	48.88	253.62	53.45
Sorghum	3.10	5.29	33.66	7.36	**	**	**	**	3.14	5.14	35.58	7.50
Milet	**	**	12.50	2.73	-	-	-	-	**	**	12.50	2.63
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**	**	**	**	**	**	**	**	1.78	2.91	**	**
Horse Beans	**	**	**	**	**	**	**	**	**	**	**	**
Field Peas	**	**	**	**	-	-	-	-	**	**	**	**
Haricot Beans	.22	.38	0.83	0.18	**	**	**	**	.40	.65	1.89	.40
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	**	**	**	**	-	-	-	-	**	**	**	**
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	**	**	.34	.07	-	-	-	-	**	**	**	**
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	58.57	100.00	457.50	100.00	2.50	100.00	17.01	100.00	61.07	100.00	474.51	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.8.4 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS IN PRIVATE HOLDINGS IN S.N.N.P.R, 1995/96 (1989 E.C.)

Sidama Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	13.08	82.26	230.04	93.06	5.32	45.32	12.75	73.32	18.40	66.57	242.79	91.76
Teff	1.57	9.87	27.84	11.26	**	**	**	**	1.67	6.04	27.98	10.58
Wheat	**	**	35.51	14.37	-	-	-	-	**	**	35.51	13.42
Barley	**	**	40.73	16.48	-	-	-	-	**	**	40.73	15.39
Maize	7.26	45.66	125.17	50.64	**	**	12.57	72.28	12.43	44.97	137.74	52.06
Sorghum	**	**	**	**	**	**	**	**	**	**	**	**
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	2.82	17.74	17.15	6.94	6.42	54.68	4.64	26.68	9.24	33.43	21.79	8.24
Horse Beans	**	**	**	**	**	**	**	**	**	**	**	**
Field Peas	**	**	**	**	-	-	-	-	**	**	**	**
Haricot Beans	1.67	10.50	**	**	**	**	3.64	20.93	6.83	24.71	11.72	4.43
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	15.90	100.00	247.19	100.00	11.74	100.00	17.39	100.00	27.64	100.00	264.58	100.00

TABLE 1.8.5 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN S.N.N.P.R, 1995/96 (1989 E.C.)

Gedio Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	8.47	68.97	161.75	81.52	**	**	**	**	8.58	68.81	163.67	81.23
Teff	**	**	1.47	.74	-	-	-	-	**	**	1.47	.73
Wheat	**	**	**	**	**	**	**	**	**	**	**	**
Barley	1.91	15.55	13.94	7.03	**	**	.24	7.79	1.98	15.88	14.18	7.04
Maize	4.66	37.95	118.57	59.76	**	**	**	**	4.68	37.53	120.02	59.57
Sorghum	**	**	**	**	**	**	**	**	**	**	**	**
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	3.81	31.03	36.66	18.48	**	**	**	**	3.89	31.19	37.82	18.77
Horse Beans	2.56	20.85	29.13	14.68	**	**	**	**	2.61	20.93	30.12	14.95
Field Peas	**	**	**	**	-	-	-	-	**	**	**	**
Haricot Beans	**	**	**	**	**	**	**	**	**	**	**	**
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	12.28	100.00	198.41	100.00	.19	100.00	3.08	100.00	12.47	100.00	201.49	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.8.6 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN S.N.N.P.R, 1995/96 (1989 E.C.)

North Omo Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	103.42	84.71	1,590.97	90.91	131.56	87.63	697.10	92.92	234.98	86.32	2,288.07	91.51
Teff	41.02	33.60	354.52	20.26	10.58	7.05	**	**	51.60	18.96	396.53	15.86
Wheat	**	**	**	**	**	**	**	**	5.92	2.17	68.70	2.75
Barley	16.72	13.70	248.23	14.18	**	**	**	**	32.99	12.12	308.10	12.32
Maize	26.48	21.69	675.97	38.63	88.99	59.28	566.67	75.53	115.47	42.42	1,242.64	49.70
Sorghum	13.90	11.39	245.24	14.01	10.26	6.83	**	**	24.16	8.88	266.45	10.66
Milet	**	**	**	**	**	**	**	**	**	**	**	**
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	18.66	15.29	159.09	9.09	17.77	11.84	52.76	7.03	36.43	13.38	211.85	8.47
Horse Beans	6.47	5.30	55.10	3.15	**	**	**	**	6.53	2.40	55.16	2.21
Field Peas	**	**	36.15	2.07	**	**	**	**	**	**	37.29	1.49
Haricot Beans	6.75	5.53	65.80	3.76	17.60	11.72	51.56	6.87	24.35	8.95	117.36	4.69
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	**	**	**	**	**	**	**	**
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	**	**	**	**	**	**	**	**
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	122.08	100.00	1,750.06	100.00	150.13	100.00	750.23	100.00	272.21	100.00	2,500.29	100.00

TABLE 1.8.7 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS IN FOR PRIVATE HOLDINGS IN ETHIOPIA 1995/96 (1989 E.C.)

South Omo Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	13.98	84.98	216.66	88.84	**	**	**	**	19.22	88.49	263.51	90.26
Teff	2.40	14.59	**	**	**	**	**	**	2.65	12.20	**	**
Wheat	**	**	**	**	-	-	-	-	**	**	**	**
Barley	2.11	12.83	33.85	13.88	**	**	**	**	2.17	9.99	34.16	11.70
Maize	5.06	30.76	96.55	39.59	**	**	28.29	58.85	7.67	35.31	124.84	42.76
Sorghum	3.98	24.19	56.99	23.37	**	**	**	**	6.30	29.01	74.55	25.54
Milet	**	**	**	**	-	-	-	-	**	**	**	**
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**	**	**	**	**	**	**	**	**	**	**	**
Horse Beans	**	**	**	**	-	-	-	-	**	**	**	**
Field Peas	**	**	**	**	**	**	**	**	**	**	**	**
Haricot Beans	**	**	**	**	**	**	**	**	.18	.83	2.02	.69
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	**	**	-	-	-	-	-	-	**	**	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	**	**	**	**	**	**	.06	.12	**	**	**	**
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	**	**	**	**	**	**	**	**	**	**	**	**
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	16.45	100.00	243.88	100.00	5.27	100.00	48.07	100.00	21.72	100.00	291.95	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.8.8 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN S.N.N.P.R, 1995/96 (1989 E.C.)

Kefficho-Shekicho Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				TOTAL			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	36.80	78.97	438.66	86.95	26.73	89.79	179.68	96.53	63.53	83.19	618.34	89.53
Teff	13.32	28.58	91.48	18.13	**	**	**	**	15.62	20.45	101.31	14.67
Wheat	**	**	**	**	**	**	**	**	**	**	**	**
Barley	5.88	12.62	62.85	12.46	7.11	23.88	22.14	11.89	12.99	17.01	84.99	12.31
Maize	11.72	25.15	196.52	38.95	13.39	44.98	128.53	69.05	25.11	32.88	325.05	47.07
Sorghum	3.63	7.79	57.67	11.43	**	**	**	**	5.99	7.84	70.31	10.18
Milet	**	**	**	**	**	**	**	**	**	**	**	**
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	9.80	21.03	65.84	13.05	**	**	**	**	12.84	16.81	72.30	10.47
Horse Beans	5.70	12.23	41.71	8.27	**	**	**	**	7.60	9.95	45.65	6.61
Field Peas	3.28	7.04	19.48	3.86	**	**	**	**	4.26	5.58	20.97	3.04
Haricot Beans	**	**	**	**	**	**	**	**	**	**	**	**
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	46.60	100.00	504.50	100.00	29.77	100.00	186.14	100.00	76.37	100.00	690.64	100.00

TABLE 1.8.9 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN S.N.N.P.R, 1995/96 (1989 E.C.)

Bench-Maji Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				TOTAL			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	16.11	88.91	388.09	93.95	1.97	88.34	41.50	93.57	18.08	88.85	429.59	93.91
Teff	2.33	12.86	16.23	3.93	**	**	**	**	2.49	12.24	17.01	3.72
Wheat	**	**	8.74	2.12	**	**	**	**	**	**	8.93	1.95
Barley	1.96	10.82	25.95	6.28	**	**	4.37	9.85	2.40	11.79	30.32	6.63
Maize	7.36	40.62	253.85	61.45	1.23	55.16	34.40	77.56	8.59	42.21	288.25	63.02
Sorghum	4.05	22.35	83.30	20.17	**	**	**	**	4.17	20.49	85.06	18.60
Milet	**	**	**	**	-	-	-	-	**	**	**	**
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	2.01	11.09	24.99	6.05	**	**	**	**	2.27	11.15	27.84	6.09
Horse Beans	1.35	7.45	20.44	4.95	**	**	**	**	1.54	7.57	22.73	4.97
Field Peas	.62	3.42	4.29	1.04	**	**	**	**	.67	3.29	4.57	1.00
Haricot Beans	**	**	**	**	**	**	**	**	**	**	**	**
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	**	**	-	-	**	**	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	**	**	-	-	-	-	**	**
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	18.12	100.00	413.08	100.00	2.23	100.00	44.35	100.00	20.35	100.00	457.43	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.8.10 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN S.N.N.P.R, 1995/96 (1989 E.C.)

Yem Special Wereda Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	10.31	85.70	98.65	87.11	.07	100.00	**	**	10.38	85.79	101.07	87.38
Teff	4.36	36.24	29.29	25.86	-	-	-	-	4.36	36.03	29.29	25.32
Wheat	2.35	19.53	24.59	21.71	**	**	**	**	2.36	19.50	25.24	21.82
Barley	1.34	11.14	11.56	10.21	.04	57.14	.96	39.67	1.38	11.40	12.52	10.82
Maize	1.17	9.73	22.19	19.59	**	**	.81	33.47	1.19	9.83	23.00	19.88
Sorghum	1.08	8.98	10.98	9.70	-	-	-	-	1.08	8.93	10.98	9.49
Milet	**	**	**	**	-	-	-	-	**	**	**	**
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	1.70	14.13	14.48	12.79	**	**	-	-	1.70	14.05	14.48	12.52
Horse Beans	1.03	8.56	9.41	8.31	**	**	-	-	1.03	8.51	9.41	8.14
Field Peas	.57	4.74	4.10	3.62	**	**	-	-	.57	4.71	4.10	3.54
Haricot Beans	**	**	**	**	**	**	-	-	**	**	**	**
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	**	**	**	**	-	-	-	-	.06	.50	**	**
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	**	**	**	**	-	-	-	-	**	**	**	**
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	**	**	.12	.11	-	-	-	-	**	**	**	**
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	12.03	100.00	113.25	100.00	.07	100.00	2.42	100.00	12.10	100.00	115.67	100.00

TABLE 1.8.11 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN S.N.N.P.R, 1995/96 (1989 E.C.)

Amaro Special Wereda Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	1.57	83.07	**	**	**	**	**	**	1.87	83.86	**	**
Teff	.39	20.63	**	**	.07	20.59	**	**	.46	20.63	**	**
Wheat	.34	17.99	**	**	**	**	**	**	.37	16.59	**	**
Barley	.55	29.10	10.86	17.22	**	**	**	**	.58	26.01	11.67	10.11
Maize	**	**	**	**	.11	32.35	**	**	.29	13.00	**	**
Sorghum	**	**	**	**	**	**	**	**	**	**	**	**
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**	**	**	**	**	**	**	**	.36	16.14	**	**
Horse Beans	**	**	**	**	-	-	-	-	**	**	**	**
Field Peas	**	**	**	**	**	**	**	**	**	**	**	**
Haricot Beans	**	**	**	**	**	**	**	**	**	**	**	**
Chick Peas	**	**	**	**	-	-	-	-	**	**	**	**
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	1.89	100.00	63.07	100.00	.34	100.00	52.35	100.00	2.23	100.00	115.42	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.8.12 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN S.N.N.P.R, 1995/96 (1989 E.C.)

Burji Special Wereda Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	2.15	79.04	25.50	86.76	1.06	92.17	27.72	94.80	3.21	82.95	53.22	90.77
Teff	1.27	46.69	11.03	37.53	.47	40.87	7.04	24.08	1.74	44.96	18.07	30.82
Wheat	.40	14.71	5.23	17.80	.15	13.04	3.02	10.33	.55	14.21	8.25	14.07
Barley	.16	5.88	2.11	7.18	.07	6.09	1.25	4.27	.23	5.94	3.36	5.73
Maize	**	**	**	**	.31	26.96	14.83	50.72	.43	11.11	17.54	29.92
Sorghum	**	**	**	**	.06	5.22	1.58	5.40	**	**	6.00	10.23
Milet	-	-	-	-	-	-	-	-	**	**	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	.57	20.96	3.89	13.24	.09	7.83	1.52	5.20	.66	17.05	5.41	9.23
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	.33	12.13	2.27	7.72	**	**	1.36	4.65	.40	10.34	3.63	6.19
Chick Peas	**	**	**	**	.02	1.74	.16	.55	.26	6.72	**	**
Lentils	**	**	-	-	**	**	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	**	**	-	-	**	**	-	-	**	**	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	**	**	-	-	**	**	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	**	**	-	-	**	**	-	-	**	**	-	-
All Crops	2.72	100.00	29.39	100.00	1.15	100.00	29.24	100.00	3.87	100.00	58.63	100.00

TABLE 1.8.13 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN S.N.N.P.R, 1995/96 (1989 E.C.)

Konso Special Wereda Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	4.15	89.83	41.68	91.81	2.31	91.67	75.60	92.67	6.46	90.48	117.28	92.36
Teff	.42	9.09	2.05	4.52	**	**	**	**	.62	8.68	3.55	2.80
Wheat	**	**	**	**	**	**	**	**	**	**	**	**
Barley	**	**	**	**	**	**	**	**	**	**	**	**
Maize	1.65	35.71	20.44	45.02	1.09	43.25	42.64	52.27	2.74	38.38	63.08	49.68
Sorghum	1.87	40.48	18.14	39.96	.95	37.70	27.81	34.09	2.82	39.50	45.95	36.19
Milet	**	**	-	-	**	**	**	**	**	**	**	**
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**	**	3.71	8.17	.21	8.33	5.98	7.33	.68	9.52	9.69	7.63
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	**	**	**	**	**	**	-	-	**	**	**	**
Haricot Beans	**	**	3.34	7.36	.19	7.54	5.91	7.24	.59	8.26	9.25	7.28
Chick Peas	**	**	**	**	**	**	**	**	**	**	**	.08
Lentils	**	**	-	-	-	-	-	-	**	**	-	-
Vetch	-	-	**	**	-	-	-	-	**	**	**	**
Others	**	**	**	**	-	-	-	-	**	**	**	**
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	**	**	**	**	-	-	-	-	**	**	**	**
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	4.62	100.00	45.40	100.00	2.52	100.00	81.58	100.00	7.14	100.00	126.98	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.8.14 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN S.N.N.P.R, 1995/96 (1989 E.C.)

Derashe Special Wereda Zone(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	2.62	90.34	55.25	95.01	1.12	86.82	26.98	83.58	3.74	89.26	82.23	90.93
Teff	.28	9.66	2.05	3.53	.10	7.75	**	**	.38	9.07	3.79	4.19
Wheat	.06	2.07	.85	1.46	**	**	**	**	.11	2.63	1.39	1.54
Barley	.18	6.21	2.39	4.11	.04	3.10	**	**	.22	5.25	2.90	3.21
Maize	1.10	37.93	26.53	45.62	.44	34.11	**	**	1.54	36.75	42.93	47.47
Sorghum	1.00	34.48	23.43	40.29	**	**	7.79	24.13	1.49	35.56	31.22	34.52
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**	**	**	**	**	**	**	**	**	**	**	**
Horse Beans	**	**	-	-	**	**	-	-	**	**	-	-
Field Peas	**	**	**	**	**	**	**	**	**	**	**	**
Haricot Beans	**	**	**	**	**	**	**	**	**	**	**	**
Chick Peas	**	**	**	**	**	**	**	**	.07	1.67	**	**
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	2.90	100.00	58.15	100.00	1.29	100.00	32.28	100.00	4.19	100.00	90.43	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.9 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN GAMBELA REGION, 1995/96 (1989 E.C.)

Gambela(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	7.36	93.88	287.22	98.65	**	**	**	**	7.88	94.26	292.68	98.68
Teff	**	**	**	**	-	-	-	-	**	**	**	**
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-	-	-	-
Maize	4.36	55.61	178.11	61.17	**	**	3.19	58.42	4.71	56.34	181.30	61.12
Sorghum	2.97	37.88	108.95	37.42	**	**	**	**	3.14	37.56	111.11	37.46
Milet	**	**	**	**	-	-	**	**	**	**	**	**
Oats	-	-	-	-	-	-	-	-	**	**	-	-
Pulses	**	**	-	-	-	-	-	-	**	**	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	**	**	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	**	**	**	**	-	-	-	-	**	**	**	**
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	**	**	**	**	-	-	-	-	**	**	**	**
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	**	**	**	**	-	-	-	-	**	**	**	**
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	7.84	100.00	291.15	100.00	.52	100.00	5.46	100.00	8.36	100.00	296.61	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

TABLE 1.10 ESTIMATED AREA AND PRODUCTION OF MAJOR CROPS FOR PRIVATE HOLDINGS IN HARARI REGION, 1995/96 (1989 E.C.)

Harari(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	2.23	88.49	22.53	88.88	-	-	**	**	2.23	88.49	22.56	88.13
Teff	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	.05	1.98	**	**	-	-	-	-	.05	1.98	**	**
Barley	**	**	**	**	-	-	-	-	**	**	**	**
Maize	.82	32.54	10.69	42.17	-	-	**	**	.82	32.54	10.72	41.88
Sorghum	1.34	53.17	11.31	44.62	-	-	-	-	1.34	53.17	11.31	44.18
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	**	**	**	**
Pulses	-	-	**	**	-	-	**	**	**	**	**	**
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	**	**	**	**	**	**
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	.29	11.51	2.82	11.12	-	-	-	-	.29	11.51	2.82	11.02
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	.29	11.51	2.82	11.12	-	-	-	-	.29	11.51	2.82	11.02
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	2.52	100.00	25.35	100.00	-	-	.25	100.00	2.52	100.00	25.60	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

Addis Ababa(Both Seasons)

Crop Type	Meher Season				Belg Season				T O T A L			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	5.89	72.54	69.23	74.73	**	**	**	**	5.90	72.57	69.37	74.77
Teff	3.53	43.47	36.22	39.10	-	-	-	-	3.53	43.42	36.22	39.04
Wheat	2.15	26.48	31.01	33.47	-	-	**	**	2.15	26.45	31.09	33.51
Barley	**	**	**	**	.01	100.00	**	**	**	**	**	**
Maize	-	-	-	-	-	-	-	-	-	-	-	-
Sorghum	**	**	**	**	-	-	-	-	**	**	**	**
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	**	**	-	-	-	-	**	**	**	**
Pulses	2.18	26.85	23.19	25.03	-	-	-	-	2.18	26.81	23.19	24.99
Horse Beans	.02	.25	.46	.50	-	-	-	-	**	**	**	**
Field Peas	-	-	-	-	-	-	-	-	**	**	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	.43	5.30	4.13	4.46	-	-	-	-	.43	5.29	4.13	4.45
Lentils	.42	5.17	5.98	6.46	-	-	-	-	.42	5.17	5.98	6.45
Vetch	1.31	16.13	12.62	13.62	-	-	-	-	1.31	16.11	12.62	13.60
Others	.05	.62	.22	.24	-	-	-	-	.05	.62	.22	.24
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	**	**	**	**	-	-	-	-	**	**	**	**
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	.04	.49	**	**	-	-	-	-	.04	.49	**	**
All Crops	8.12	100.00	92.64	100.00	.01	100.00	.14	100.00	8.13	100.00	92.78	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

Dire Dawa(Both Seasons)

Crop Type	Meher Season				Belg Season				TOTAL			
	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%	Area ('000HA)	%	Prod. ('000Qt)	%
Cereals	.68	100.00	4.30	100.00	**	**	**	**	.68	100.00	4.34	100.00
Teff	-	-	**	**	-	-	-	-	-	-	**	**
Wheat	-	-	-	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-	-	-	-
Maize	.23	33.82	.87	20.23	-	-	**	**	.23	33.82	.91	20.97
Sorghum	.45	66.18	3.42	79.53	-	-	-	-	.45	66.18	3.42	78.80
Milet	-	-	-	-	-	-	-	-	-	-	-	-
Oats	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
Haricot Beans	-	-	-	-	-	-	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-
Neug	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-
All Crops	.68	100.00	4.30	100.00	-	-	.04	100.00	.68	100.00	4.34	100.00

** These estimates could not be reported in this table because of high coefficient of variation (i.e less reliable). However they are consolidated in the total estimates.

Section 2. Total Commercial Fertilizer Applied Area and Quantity of Commercial Fertilizer Used

According to the results of the survey, in 1996/97 (1989 E.C.) the total fertilizer applied area under major crops in both seasons was estimated to be 2,083.03 thousand hectares, and the total quantity of fertilizer used on this area was about 2,726.06 thousand quintals with an average rate of fertilizer application 1.31 quintals per hectare. Of these totals about 1,997.28 thousand hectares, (95.88 %) and 2,615.41 thousand quintals of fertilizer (95.94 %) applied was the share of Meher Season, which is the highest, while 85.75 thousand hectares (4.12 %) and 110.65 thousand quintals of fertilizer (4.06 %) applied with an average rate of fertilizer application 1.29 quintals per hectare was the contribution of Belg Season (for the details see Summary Tables C1 - C3).

Summary Table C.1 Total Commercial Fertilizer Applied Area and Quantity Applied by Crop type

Both Seasons

Crop Type	Fertilizer applied area '000 Ha.	%	Quantity applied in '000 Qts	%	Rate of application Qts/Ha.
Cereals	2,008.00	96.40	2,642.85	96.95	1.32
Pulses	60.85	2.92	72.28	2.65	1.19
Others	14.20	0.68	10.92	0.40	0.77
All Crops	2,083.05	100	2,726.05	100	1.31

Summary Table C.2 Total Commercial Fertilizer Applied Area and Quantity Applied by Crop Type

Meher Season

Crop Type	Fertilizer applied area '000 Ha.	%	Quantity applied in '000 on Qts	%	Rate of application Qts/Ha.
Cereals	1,924.09	96.33	2,534.89	96.92	1.32
Pulses	59.03	2.96	69.58	2.66	1.18
Others	14.16	0.71	10.91	0.42	0.77
All Crops	1,997.28	100.0	2,615.41	100.0	1.31

Summary Table C.3 Total Commercial Fertilizer Applied Area and Quantity Applied by Crop Type

Belg Season

Crop Type	Fertilizer applied area '000 Ha.	%	Quantity applied in '000 on Qts	%	Rate of application Qts/Ha.
Cereals	83.91	97.83	107.96	97.58	1.29
Pulses	1.82	2.12	2.67	2.41	1.47
Others	0.04	0.05	0.01	0.01	0.25
All Crops	85.77	100.0	110.64	100.0	1.29

TABLE 2.1 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

National (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	651.69	1,173.72	14.43	13.72	666.12	1,187.44
Wheat	699.69	635.57	6.70	6.25	706.39	641.82
Barley	256.89	289.58	49.23	45.65	306.12	335.23
Maize	194.33	300.14	10.34	40.04	204.67	340.18
Sorghum	29.65	50.52	.52	.86	30.17	51.38
Milet	81.44	76.77	-	-	81.44	76.77
Oats	10.40	8.59	2.69	1.44	13.09	10.03
Horse Beans	29.03	30.98	.03	.05	29.06	31.03
Field Peas	14.46	19.08	.06	.03	14.52	19.11
Haricot Bean	9.38	10.65	1.61	2.52	10.99	13.17
Chick Peas	1.61	3.68	.12	.07	1.73	3.75
Lentils	3.94	4.46	-	-	3.94	4.46
Vetch	.61	.76	-	-	.61	.76
Neug	4.57	2.73	-	-	4.57	2.73
Linseed	4.09	4.78	-	-	4.09	4.78
Rapeseed	4.79	2.94	-	-	4.79	2.94
Ground Nuts	.28	.30	-	-	.28	.30
Sunflower	-	-	-	-	-	-
Sesame	.09	.13	-	-	.09	.13
Fenugreek	.34	.03	.04	.01	.38	.04
All Crops	1,997.28	2,615.41	85.75	110.65	2,083.03	2,726.06

TABLE 2.1.1 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Tigray (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	14.14	49.82	.11	.17	14.25	49.99
Wheat	5.53	13.01	.01	.15	5.54	13.16
Barley	4.44	11.84	1.91	.38	6.35	12.22
Maize	4.65	13.56	.22	.33	4.87	13.89
Sorghum	4.48	6.78	-	-	4.48	6.78
Milet	4.96	4.15	-	-	4.96	4.15
Oats	-	-	-	-	-	-
Horse Beans	.08	.04	-	-	.08	.04
Field Peas	.07	.06	-	-	.07	.06
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	38.35	99.26	2.25	1.03	40.60	100.29

TABLE 2.1.1.1 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

West Tigray Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	6.99	19.53	.04	.13	7.03	19.66
Wheat	.10	.94	-	-	.10	.94
Barley	.01	.10	-	-	.01	.10
Maize	2.56	9.46	-	-	2.56	9.46
Sorghum	2.46	3.58	-	-	2.46	3.58
Milet	4.70	3.80	-	-	4.70	3.80
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	16.83	37.41	.04	.13	16.87	37.54

TABLE 2.1.1.2 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Central Tigray Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	3.95	17.79	.07	.04	4.02	17.83
Wheat	1.18	1.98	-	-	1.18	1.98
Barley	1.27	1.99	.04	.04	1.31	2.03
Maize	.97	1.58	.05	.18	1.02	1.76
Sorghum	1.14	1.49	-	-	1.14	1.49
Milet	.24	.32	-	-	.24	.32
Oats	-	-	-	-	-	-
Horse Beans	.02	.01	-	-	.02	.01
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	8.78	25.16	.16	.26	8.94	25.42

TABLE 2.1.1.3 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

East Tigray Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	.11	.06	-	-	.11	.06
Wheat	1.39	2.26	.01	.02	1.40	2.28
Barley	1.59	5.84	1.87	.34	3.46	6.18
Maize	.19	.11	.04	.03	.23	.14
Sorghum	-	-	-	-	-	-
Milet	.02	.02	-	-	.02	.02
Oats	-	-	-	-	-	-
Horse Beans	.07	.04	-	-	.07	.04
Field Peas	.07	.06	-	-	.07	.06
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	3.42	8.39	1.92	.39	5.34	8.78

TABLE 2.1.1.4 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

South Tigray Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	3.09	12.43	-	-	3.09	12.43
Wheat	2.85	7.84	-	.13	2.85	7.97
Barley	1.57	3.91	-	-	1.57	3.91
Maize	.93	2.41	.13	.11	1.06	2.52
Sorghum	.88	1.71	-	-	.88	1.71
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	9.32	28.31	.13	.24	9.45	28.55

TABLE 2.1.2 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Afar

(IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	.01	.08	-	-	.01	.08
Wheat	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Maize	-	.04	.01	.04	.01	.08
Sorghum	-	-	-	-	-	-
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	.01	.12	.01	.04	.02	.16

TABLE 2.1.2.1 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Zone 3 Zone

(IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	.01	.08	-	-	.01	.08
Wheat	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Maize	-	.04	.01	.04	.01	.08
Sorghum	-	-	-	-	-	-
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	.01	.12	.01	.04	.02	.16

TABLE 2.1.3 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Amhara (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	200.29	326.09	.83	.98	201.12	327.07
Wheat	257.65	88.61	.11	.40	257.76	89.01
Barley	36.86	42.18	6.69	8.13	43.55	50.31
Maize	40.05	56.09	.26	.35	40.31	56.44
Sorghum	3.92	4.51	.10	.06	4.02	4.57
Milet	66.91	63.16	-	-	66.91	63.16
Oats	.18	.11	-	-	.18	.11
Horse Beans	1.42	1.83	-	-	1.42	1.83
Field Peas	1.40	1.36	-	-	1.40	1.36
Haricot Bean	-	-	-	-	-	-
Chick Peas	.35	.13	-	-	.35	.13
Lentils	2.20	2.28	-	-	2.20	2.28
Vetch	.28	.31	-	-	.28	.31
Neug	4.08	2.60	-	-	4.08	2.60
Linseed	.43	.32	-	-	.43	.32
Rapeseed	.27	.29	-	-	.27	.29
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	.09	.13	-	-	.09	.13
Fenugreek	-	-	-	-	-	-
All Crops	616.40	589.99	7.98	9.93	624.38	599.92

TABLE 2.1.3.1 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Gonder Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	13.54	23.09	-	-	13.54	23.09
Wheat	.65	5.66	-	-	.65	5.66
Barley	2.73	2.08	3.82	3.26	6.55	5.34
Maize	1.00	1.33	-	-	1.00	1.33
Sorghum	1.19	1.94	.10	.06	1.29	2.00
Milet	7.28	5.22	-	-	7.28	5.22
Oats	-	-	-	-	-	-
Horse Beans	.13	.03	-	-	.13	.03
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	.14	.01	-	-	.14	.01
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	26.65	39.36	3.92	3.32	30.57	42.68

TABLE 2.1.3.2 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

South Gonder Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	15.95	27.85	-	-	15.95	27.85
Wheat	1.77	5.98	-	-	1.77	5.98
Barley	3.06	2.02	-	-	3.06	2.02
Maize	3.17	1.96	-	-	3.17	1.96
Sorghum	1.06	.28	-	-	1.06	.28
Milet	8.84	6.24	-	-	8.84	6.24
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	.05	.03	-	-	.05	.03
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	33.90	44.35	-	-	33.90	44.35

TABLE 2.1.3.3 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Wolo Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	3.81	3.49	.12	.21	3.93	3.70
Wheat	1.56	7.81	.11	.40	1.67	8.21
Barley	.23	.36	.19	.96	.42	1.32
Maize	.12	.12	.23	.19	.35	.31
Sorghum	.02	.10	-	-	.02	.10
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	5.74	11.87	.64	1.77	6.38	13.64

TABLE 2.1.3.4 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

South Wolo Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	.89	3.90	.08	.07	.97	3.97
Wheat	.41	3.55	-	-	.41	3.55
Barley	-	.02	.22	1.03	.22	1.05
Maize	.11	.16	-	-	.11	.16
Sorghum	.15	.52	-	-	.15	.52
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	1.56	8.16	.30	1.10	1.86	9.26

TABLE 2.1.3.5 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Shewa Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	27.16	42.89	.62	.52	27.78	43.41
Wheat	19.39	30.77	-	-	19.39	30.77
Barley	2.56	5.45	.42	.52	2.98	5.97
Maize	.18	.48	.03	.16	.21	.64
Sorghum	.08	.16	-	-	.08	.16
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	.21	.11	-	-	.21	.11
Lentils	1.74	2.06	-	-	1.74	2.06
Vetch	.12	.21	-	-	.12	.21
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	51.44	82.12	1.06	1.21	52.50	83.33

TABLE 2.1.3.6 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

East Gojam Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	54.61	132.47	-	-	54.61	132.47
Wheat	229.31	28.58	-	-	229.31	28.58
Barley	10.29	12.11	1.95	2.05	12.24	14.16
Maize	3.64	3.15	-	-	3.64	3.15
Sorghum	.06	.04	-	-	.06	.04
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	.05	.05	-	-	.05	.05
Field Peas	.43	.26	-	-	.43	.26
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	.16	.10	-	-	.16	.10
Neug	.39	.23	-	-	.39	.23
Linseed	-	-	-	-	-	-
Rapeseed	.23	.16	-	-	.23	.16
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	299.16	177.14	1.95	2.05	301.11	179.19

TABLE 2.1.3.7 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

West Gojam Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	66.84	73.38	.01	.13	66.85	73.51
Wheat	3.78	5.04	-	-	3.78	5.04
Barley	13.94	15.55	.10	.30	14.04	15.85
Maize	29.40	46.52	-	-	29.40	46.52
Sorghum	1.04	1.16	-	-	1.04	1.16
Milet	41.39	43.56	-	-	41.39	43.56
Oats	.18	.11	-	-	.18	.11
Horse Beans	1.18	1.73	-	-	1.18	1.73
Field Peas	.83	.97	-	-	.83	.97
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	.45	.23	-	-	.45	.23
Vetch	-	-	-	-	-	-
Neug	3.41	2.29	-	-	3.41	2.29
Linseed	.39	.29	-	-	.39	.29
Rapeseed	.04	.12	-	-	.04	.12
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	162.88	190.96	.11	.43	162.99	191.39

TABLE 2.1.3.8 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Waghamera Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	.14	.26	-	-	.14	.26
Wheat	.04	.09	-	-	.04	.09
Barley	-	-	-	-	-	-
Maize	-	-	-	-	-	-
Sorghum	-	-	-	-	-	-
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	.18	.35	-	-	.18	.35

TABLE 2.1.3.9 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Agewawia Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	16.97	18.24	-	-	16.97	18.24
Wheat	.73	1.14	-	-	.73	1.14
Barley	4.05	4.59	-	-	4.05	4.59
Maize	2.26	2.30	-	-	2.26	2.30
Sorghum	-	-	-	-	-	-
Milet	9.39	8.15	-	-	9.39	8.15
Oats	-	-	-	-	-	-
Horse Beans	.06	.02	-	-	.06	.02
Field Peas	.15	.14	-	-	.15	.14
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	.28	.07	-	-	.28	.07
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	33.90	34.64	-	-	33.90	34.64

TABLE 2.1.3.10 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Oromia Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	.39	.54	-	.06	.39	.60
Wheat	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Maize	.17	.07	-	-	.17	.07
Sorghum	.34	.31	-	-	.34	.31
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	.09	.13	-	-	.09	.13
Fenugreek	-	-	-	-	-	-
All Crops	.99	1.05	-	.06	.99	1.11

TABLE 2.1.4 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Oromia (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	356.31	662.41	1.40	4.16	357.71	666.57
Wheat	375.02	410.62	6.50	5.47	381.52	416.09
Barley	193.39	194.71	39.00	33.96	232.39	228.67
Maize	87.22	139.06	4.30	7.74	91.52	146.80
Sorghum	13.13	31.36	.36	.69	13.49	32.05
Milet	7.69	7.00	-	-	7.69	7.00
Oats	10.01	8.05	2.69	1.44	12.70	9.49
Horse Beans	21.80	20.44	.03	.03	21.83	20.47
Field Peas	8.69	10.83	-	-	8.69	10.83
Haricot Bean	5.24	7.49	.14	.18	5.38	7.67
Chick Peas	.68	2.68	.12	.07	.80	2.75
Lentils	1.55	1.69	-	-	1.55	1.69
Vetch	-	-	-	-	-	-
Neug	.49	.13	-	-	.49	.13
Linseed	3.62	4.35	-	-	3.62	4.35
Rapeseed	4.52	2.66	-	-	4.52	2.66
Ground Nuts	.20	.17	-	-	.20	.17
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	.33	.02	.04	.01	.37	.03
All Crops	1,089.90	1,503.67	54.57	53.76	1,144.47	1,557.43

TABLE 2.1.4.1 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

West Welega Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	15.66	29.82	-	-	15.66	29.82
Wheat	.61	.92	-	-	.61	.92
Barley	.16	.20	-	-	.16	.20
Maize	4.62	7.97	.66	.37	5.28	8.34
Sorghum	1.67	2.76	-	-	1.67	2.76
Milet	4.24	3.26	-	-	4.24	3.26
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	.04	.02	-	-	.04	.02
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	27.00	44.95	.66	.37	27.66	45.32

TABLE 2.1.4.2 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

East Welega Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	44.24	75.61	-	-	44.24	75.61
Wheat	7.20	9.16	-	-	7.20	9.16
Barley	2.94	2.82	.04	.03	2.98	2.85
Maize	24.80	33.59	-	-	24.80	33.59
Sorghum	.15	.07	-	-	.15	.07
Milet	3.42	3.71	-	-	3.42	3.71
Oats	.23	.63	-	-	.23	.63
Horse Beans	.27	.21	-	-	.27	.21
Field Peas	.11	.09	-	-	.11	.09
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	.32	.06	-	-	.32	.06
Linseed	.14	.10	-	-	.14	.10
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	83.82	126.06	.04	.03	83.86	126.09

TABLE 2.1.4.3 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Illibabor Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	3.59	14.48	.50	3.23	4.09	17.71
Wheat	-	.61	-	-	-	.61
Barley	.23	.31	-	-	.23	.31
Maize	2.17	10.88	.29	.45	2.46	11.33
Sorghum	-	.63	-	-	-	.63
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	5.99	26.92	.79	3.69	6.78	30.61

TABLE 2.1.4.4 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Jimma Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	27.77	71.41	-	-	27.77	71.41
Wheat	5.49	6.77	-	-	5.49	6.77
Barley	5.83	4.95	.08	.58	5.91	5.53
Maize	18.55	23.51	2.26	4.77	20.81	28.28
Sorghum	.85	1.33	.04	.02	.89	1.35
Milet	.02	.03	-	-	.02	.03
Oats	-	-	-	-	-	-
Horse Beans	.30	1.09	-	-	.30	1.09
Field Peas	.11	.31	-	-	.11	.31
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	.02	.14	-	-	.02	.14
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	58.92	109.53	2.38	5.37	61.30	114.90

TABLE 2.1.4.5 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

West Shewa Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	80.62	220.61	-	-	80.62	220.61
Wheat	53.81	80.64	-	-	53.81	80.64
Barley	32.91	42.26	-	-	32.91	42.26
Maize	1.99	8.64	.17	.14	2.16	8.78
Sorghum	.06	.06	-	-	.06	.06
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	2.28	2.30	-	-	2.28	2.30
Field Peas	1.94	2.22	-	-	1.94	2.22
Haricot Bean	-	-	-	-	-	-
Chick Peas	.07	1.79	-	-	.07	1.79
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	.24	.45	-	-	.24	.45
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	173.92	358.96	.17	.14	174.09	359.10

TABLE 2.1.4.6 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Shewa Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	12.89	58.12	-	-	12.89	58.12
Wheat	16.65	34.17	-	-	16.65	34.17
Barley	2.86	3.08	-	-	2.86	3.08
Maize	-	.23	-	-	-	.23
Sorghum	-	.09	-	-	-	.09
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	.03	.16	-	-	.03	.16
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	.26	.22	-	-	.26	.22
Lentils	.02	.01	-	-	.02	.01
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	32.71	96.10	-	-	32.71	96.10

TABLE 2.1.4.7 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

East Shewa Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	136.83	153.54	.54	.78	137.37	154.32
Wheat	112.82	100.51	-	-	112.82	100.51
Barley	39.01	15.62	.40	.57	39.41	16.19
Maize	14.17	22.56	-	-	14.17	22.56
Sorghum	1.22	1.49	-	-	1.22	1.49
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	1.03	1.18	.03	.03	1.06	1.21
Field Peas	2.93	5.19	-	-	2.93	5.19
Haricot Bean	4.44	6.88	.14	.18	4.58	7.06
Chick Peas	.31	.64	-	-	.31	.64
Lentils	1.14	1.34	-	-	1.14	1.34
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	313.91	308.95	1.10	1.56	315.01	310.51

TABLE 2.1.4.8 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Arsi Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	31.79	34.00	-	-	31.79	34.00
Wheat	147.33	146.43	.25	.39	147.58	146.82
Barley	87.41	109.19	23.99	24.22	111.40	133.41
Maize	11.28	6.30	.10	.04	11.38	6.34
Sorghum	.81	1.12	-	-	.81	1.12
Milet	-	-	-	-	-	-
Oats	4.90	4.96	.46	.22	5.36	5.18
Horse Beans	17.51	15.34	-	-	17.51	15.34
Field Peas	3.57	3.02	-	-	3.57	3.02
Haricot Bean	.43	.21	-	-	.43	.21
Chick Peas	-	-	-	-	-	-
Lentils	.38	.20	-	-	.38	.20
Vetch	-	-	-	-	-	-
Neug	.13	.05	-	-	.13	.05
Linseed	2.77	3.72	-	-	2.77	3.72
Rapeseed	4.52	2.66	-	-	4.52	2.66
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	.29	.02	-	-	.29	.02
All Crops	313.13	327.20	24.80	24.87	337.93	352.07

TABLE 2.1.4.9 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

West Harerge Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	1.29	2.10	-	-	1.29	2.10
Wheat	.03	.08	-	-	.03	.08
Barley	-	.03	-	-	-	.03
Maize	1.62	4.41	.19	.09	1.81	4.50
Sorghum	1.17	3.27	.11	.21	1.28	3.48
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	.04	.07	-	-	.04	.07
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	4.15	9.95	.30	.30	4.45	10.25

TABLE 2.1.4.10 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

East Harerge Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	.31	.39	-	-	.31	.39
Wheat	1.23	4.16	.06	.14	1.29	4.30
Barley	.28	2.66	-	-	.28	2.66
Maize	6.45	19.65	.16	.95	6.61	20.60
Sorghum	6.95	20.22	.20	.46	7.15	20.68
Milet	-	-	-	-	-	-
Oats	.49	.70	-	-	.49	.70
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	.32	.33	-	-	.32	.33
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	.20	.17	-	-	.20	.17
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	16.23	48.27	.42	1.55	16.65	49.82

TABLE 2.1.4.11 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Bale Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	1.23	2.25	.36	.15	1.59	2.40
Wheat	29.42	25.72	6.20	4.94	35.62	30.66
Barley	21.12	12.89	14.49	8.56	35.61	21.45
Maize	.54	.21	.47	.11	1.01	.32
Sorghum	.17	.21	-	-	.17	.21
Milet	-	-	-	-	-	-
Oats	4.39	1.76	2.23	1.22	6.62	2.98
Horse Beans	.38	.16	-	-	.38	.16
Field Peas	.02	.01	-	-	.02	.01
Haricot Bean	-	-	-	-	-	-
Chick Peas	.04	.03	.12	.07	.16	.10
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	.47	.08	-	-	.47	.08
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	.04	.01	.04	.01	.08	.02
All Crops	57.82	43.32	23.90	15.05	81.72	58.37

TABLE 2.1.4.12 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Borena Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	.09	.08	-	-	.09	.08
Wheat	.42	1.44	-	-	.42	1.44
Barley	.66	.71	-	-	.66	.71
Maize	1.03	1.12	-	.82	1.03	1.94
Sorghum	.10	.12	-	-	.10	.12
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	2.30	3.47	-	.82	2.30	4.29

TABLE 2.1.5 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Somale (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	-	-	-	-	-	-
Wheat	-	-	.02	.02	.02	.02
Barley	-	-	-	-	-	-
Maize	-	.61	.03	.25	.03	.86
Sorghum	-	-	-	-	-	-
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	-	.61	.06	.28	.06	.89

TABLE 2.1.6 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Benshangul-Gumuz (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	1.61	1.89	-	-	1.61	1.89
Wheat	.31	.23	-	-	.31	.23
Barley	.93	.49	-	-	.93	.49
Maize	.32	.54	.02	-	.34	.54
Sorghum	.11	.17	-	-	.11	.17
Milet	.10	.06	-	-	.10	.06
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	.01	.01	-	-	.01	.01
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	3.38	3.39	.02	-	3.40	3.39

TABLE 2.1.6.1 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Metekel Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	1.34	1.78	-	-	1.34	1.78
Wheat	.31	.23	-	-	.31	.23
Barley	.93	.49	-	-	.93	.49
Maize	.08	.27	-	-	.08	.27
Sorghum	.05	.02	-	-	.05	.02
Milet	.10	.06	-	-	.10	.06
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	.01	.01	-	-	.01	.01
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	2.83	2.86	-	-	2.83	2.86

TABLE 2.1.6.2 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Asosa Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	.26	11	-	-	.26	.11
Wheat	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Maize	.20	.23	.02	-	.22	.23
Sorghum	.06	.15	-	-	.06	.15
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	.51	.49	.02	-	.53	.49

TABLE 2.1.6.3 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Kemeshi Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	01	-	-	-	.01	-
Wheat	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Maize	.03	.03	-	-	.03	.03
Sorghum	-	-	-	-	-	-
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	.04	.04	-	-	.04	.04

TABLE 2.1.7 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

(S.N.N.P.R) (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	74.36	122.57	12.09	8.41	86.45	130.98
Wheat	58.22	117.77	.05	.21	58.27	117.98
Barley	21.13	40.12	1.63	3.18	22.76	43.30
Maize	61.62	88.37	5.49	31.03	67.11	119.40
Sorghum	7.27	5.07	.06	.08	7.33	5.15
Milet	1.78	2.39	-	-	1.78	2.39
Oats	.22	.43	-	-	.22	.43
Horse Beans	5.73	8.68	-	.01	5.73	8.69
Field Peas	4.31	6.83	.06	.03	4.37	6.86
Haricot Bean	4.14	3.16	1.47	2.33	5.61	5.49
Chick Peas	.43	.58	-	-	.43	.58
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	.02	.10	-	-	.02	.10
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	239.22	396.08	20.85	45.28	260.07	441.36

TABLE 2.1.7.1 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Gurage Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	26.05	41.31	-	.01	26.05	41.32
Wheat	18.50	10.90	-	-	18.50	10.90
Barley	13.35	23.94	-	-	13.35	23.94
Maize	9.60	5.69	-	-	9.60	5.69
Sorghum	3.88	1.08	-	-	3.88	1.08
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	1.25	.97	-	-	1.25	.97
Field Peas	2.47	3.45	-	-	2.47	3.45
Haricot Bean	-	-	-	-	-	-
Chick Peas	.10	.06	-	-	.10	.06
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	75.21	87.41	-	.01	75.21	87.42

TABLE 2.1.7.2 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Hadiya Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	27.20	43.40	.12	.09	27.32	43.49
Wheat	30.02	84.10	-	-	30.02	84.10
Barley	5.04	11.75	1.32	2.56	6.36	14.31
Maize	17.49	20.21	.52	.65	18.01	20.86
Sorghum	2.08	2.37	.04	-	2.12	2.37
Milet	.18	.27	-	-	.18	.27
Oats	.22	.43	-	-	.22	.43
Horse Beans	3.23	5.48	-	-	3.23	5.48
Field Peas	1.73	3.26	-	-	1.73	3.26
Haricot Bean	.20	.19	.25	.22	.45	.41
Chick Peas	.01	.01	-	-	.01	.01
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	87.40	171.48	2.24	3.53	89.64	175.01

TABLE 2.1.7.3 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Kembata Alaba Tembaro Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	11.41	20.84	.04	.20	11.45	21.04
Wheat	6.72	20.21	.04	.15	6.76	20.36
Barley	1.25	2.77	.19	.36	1.44	3.13
Maize	19.27	23.68	.83	2.28	20.10	25.96
Sorghum	.93	.72	.01	.01	.94	.73
Milet	1.59	2.12	-	-	1.59	2.12
Oats	-	-	-	-	-	-
Horse Beans	1.24	2.22	-	.01	1.24	2.23
Field Peas	-	-	-	-	-	-
Haricot Bean	.05	.08	.16	.23	.21	.31
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	.02	.10	-	-	.02	.10
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	42.48	72.75	1.28	3.25	43.76	76.00

TABLE 2.1.7.4 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Sidama Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	.75	1.76	.01	.05	.76	1.81
Wheat	.32	.43	-	-	.32	.43
Barley	.46	.47	-	-	.46	.47
Maize	7.30	24.16	.52	4.10	7.82	28.26
Sorghum	.19	.34	-	-	.19	.34
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	2.18	1.51	.48	.93	2.66	2.44
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	11.21	28.67	1.00	5.08	12.21	33.75

TABLE 2.1.7.5 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Gedio Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	-	-	-	-	-	-
Wheat	.79	.73	-	-	.79	.73
Barley	.23	.49	-	-	.23	.49
Maize	1.34	2.76	-	-	1.34	2.76
Sorghum	-	-	-	-	-	-
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	.03	.04	-	-	.03	.04
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	2.40	4.01	-	-	2.40	4.01

TABLE 2.1.7.6 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Omo Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	7.56	9.46	.39	7.72	7.95	17.18
Wheat	1.26	.55	-	-	1.26	.55
Barley	.63	.44	-	.11	.63	.55
Maize	6.18	9.90	3.21	22.57	9.39	32.47
Sorghum	-	-	-	-	-	-
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	.04	.03	.06	.03	.10	.06
Haricot Bean	1.67	1.33	.58	.95	2.25	2.28
Chick Peas	.31	.51	-	-	.31	.51
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	17.66	22.23	4.25	31.37	21.91	53.60

TABLE 2.1.7.7 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

South Omo Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	.05	.08	-	-	.05	.08
Wheat	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Maize	.03	.37	.11	.08	.14	.45
Sorghum	-	-	-	-	-	-
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	.08	.45	.11	.08	.19	.53

TABLE 2.1.7.8 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Keficho-Shekicho Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	.21	.71	-	-	.21	.71
Wheat	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Maize	.13	.66	-	.64	.13	1.30
Sorghum	-	.25	-	-	-	.25
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	.34	1.63	-	.64	.34	2.27

TABLE 2.1.7.9 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Bench-Maji Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	-	.14	11.51	.08	11.51	.22
Wheat	.18	.09	-	-	.18	.09
Barley	-	-	-	-	-	-
Maize	.03	.46	.24	.56	.27	1.02
Sorghum	.19	.26	-	-	.19	.26
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	.40	.95	11.75	.64	12.15	1.59

TABLE 2.1.7.10 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Yem Special Wereda Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	1.09	4.74	-	.06	1.09	4.80
Wheat	.40	.65	-	-	.40	.65
Barley	.15	.22	.11	.14	.26	.36
Maize	.25	.42	-	-	.25	.42
Sorghum	.01	.01	-	-	.01	.01
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	.01	.01	-	-	.01	.01
Field Peas	.07	.09	-	-	.07	.09
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	1.97	6.13	.12	.20	2.09	6.33

TABLE 2.1.7.11 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Amaro Special Wereda Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	.02	.08	-	-	.02	.08
Wheat	.01	.08	-	-	.01	.08
Barley	.01	.04	-	-	.01	.04
Maize	-	.05	.04	.07	.04	.12
Sorghum	-	-	-	-	-	-
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	.05	.25	.04	.07	.09	.32

TABLE 2.1.7.12 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Burji Special Wereda Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	.01	.06	.02	.16	.03	.22
Wheat	-	.02	.01	.05	.01	.07
Barley	-	.01	-	.01	-	.02
Maize	-	-	.02	.06	.02	.06
Sorghum	-	-	.01	.01	.01	.01
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	.02	.10	.07	.30	.09	.40

TABLE 2.1.7.13 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Konso Special Wereda Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	-	-	-	.03	-	.03
Wheat	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Maize	-	-	-	.02	-	.02
Sorghum	-	-	.01	.06	.01	.06
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	-	-	.01	.10	.01	.10

TABLE 2.1.7.14 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Derashe Special Wereda Zone (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	-	-	-	-	-	-
Wheat	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Maize	-	-	-	-	-	-
Sorghum	-	.03	-	-	-	.03
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	-	.03	-	-	-	.03

TABLE 2.1.8 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Gambela (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	-	-	-	-	-	-
Wheat	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Maize	.04	.12	.01	.30	.05	.42
Sorghum	.05	.08	-	.03	.05	.11
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	.08	.20	.02	.32	.10	.52

TABLE 2.1.9 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Harari (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	-	-	-	-	-	-
Wheat	.05	.36	-	-	.05	.36
Barley	.01	.07	-	-	.01	.07
Maize	.42	1.74	-	-	.42	1.74
Sorghum	.67	2.37	-	-	.67	2.37
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	.08	.12	-	-	.08	.12
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	1.23	4.66	-	-	1.23	4.66

TABLE 2.1.10 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Addis Ababa (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	4.98	10.86	-	-	4.98	10.86
Wheat	2.91	4.97	-	-	2.91	4.97
Barley	.12	.17	-	.01	.12	.18
Maize	-	.01	-	-	-	.01
Sorghum	-	-	-	-	-	-
Milet	-	.01	-	-	-	.01
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	.14	.29	-	-	.14	.29
Lentils	.19	.48	-	-	.19	.48
Vetch	.34	.44	-	-	.34	.44
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	.01	.01	-	-	.01	.01
All Crops	8.70	17.25	-	.01	8.70	17.26

TABLE 2.1.11 ESTIMATED AREA UNDER COMMERCIAL FERTILIZER AND QUANTITY APPLIED BY CROP TYPE AND SEASON FOR PORIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Dire Dawa (IN '000)

	Meher Season		Belg Season		Total	
Crop Type	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)	Fertilizer applied area ('000Ha)	Quantity of Fertilizer applied ('000Qt)
Teff	-	-	-	-	-	-
Wheat	-	-	-	-	-	-
Barley	-	-	-	-	-	-
Maize	-	.01	-	-	-	.01
Sorghum	.02	.18	-	-	.02	.18
Milet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
Horse Beans	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-
Haricot Bean	-	-	-	-	-	-
Chick Peas	-	-	-	-	-	-
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Ground Nuts	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
All Crops	.02	.19	-	-	.02	.19

TABLE 2.2 TOTAL QUANTITY OF COMMERCIAL FERTILIZER APPLIED BY TYPE AND REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

(IN '000)

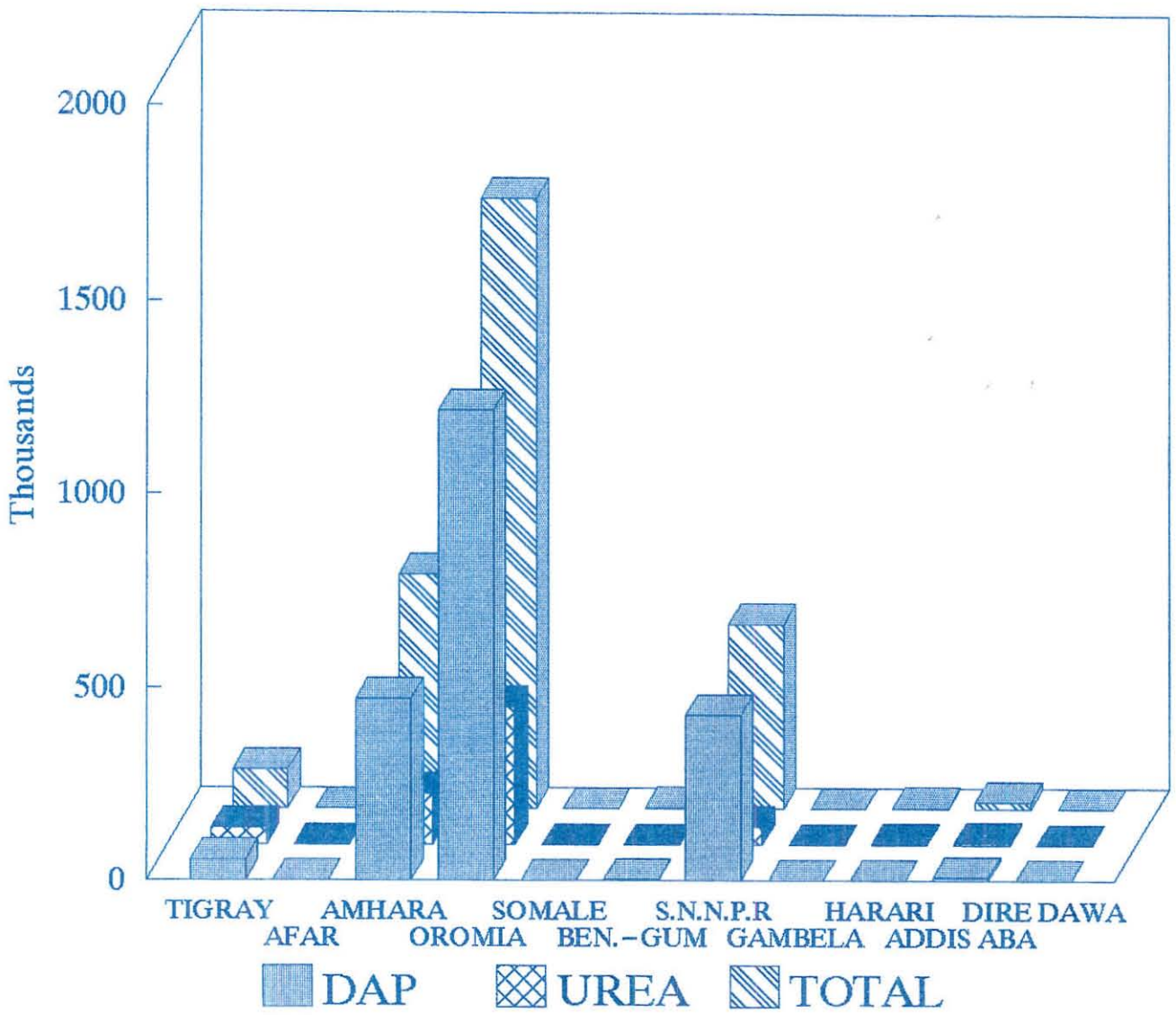
R E G I O N	DAP	%	UREA	%	TOTAL	%
Tigray	55.37	1.98	45.35	1.63	100.72	3.61
Afar	.05	-	.11	-	.16	.01
Amhara	474.18	16.99	132.65	4.75	606.83	21.75
Oromia	1,219.75	43.71	359.06	12.87	1,578.81	56.58
Somale	.82	.03	.06	-	.88	.03
Benshangul-Gumuz	2.34	.08	.78	.03	3.12	.11
SNNPR	430.26	15.42	46.80	1.68	477.06	17.10
Gambela	.39	.01	.13	-	.52	.02
Harari	2.12	.08	2.87	.10	4.99	.18
Addis Ababa	11.15	.40	6.12	.22	17.27	.62
Dire Dawa	.15	.01	.05	-	.20	.01
N A T I O N A L	2,196.58	78.71	593.98	21.29	2,790.56	100.00

TABLE 2.2.1 TOTAL QUANTITY OF COMMERCIAL FERTILIZER APPLIED BY TYPE AND REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

(IN '000)

REGION	DAP	%	UREA	%	TOTAL	%
Tigray	55.37	1.98	45.35	1.63	100.72	3.61
West Tigray	21.63	.78	15.91	.57	37.54	1.35
Central Tigray	13.35	.48	12.06	.43	25.41	.91
East Tigray	4.27	.15	4.51	.16	8.78	.31
South Tigray	16.12	.58	12.87	.46	28.99	1.04
Afar	.05	-	.11	-	.16	.01
Zone 1	-	-	-	-	-	-
Zone 3	.05	-	.11	-	.16	.01
Zone 5	-	-	-	-	-	-
Amhara	474.18	16.99	132.65	4.75	606.83	21.75
North Gondar	30.81	1.10	11.92	.43	42.73	1.53
South Gondar	35.14	1.26	10.21	.37	45.35	1.63
North Wollo	7.28	.26	6.40	.23	13.68	.49
South Wollo	4.83	.17	4.33	.16	9.16	.33
North Shoa	44.07	1.58	39.54	1.42	83.61	3.00
East Gojam	133.80	4.79	45.77	1.64	179.57	6.43
West Gojam	183.52	6.58	11.92	.43	195.44	7.00
Waghamera	.26	.01	.09	-	.35	.01
Agewawi	33.75	1.21	2.08	.07	35.83	1.28
Oromia Zone	.72	.03	.39	.01	1.11	.04
Oromia	1,219.75	43.71	359.06	12.87	1,578.81	56.58
West Wellega	35.30	1.26	10.25	.37	45.55	1.63
East Wellega	99.55	3.57	27.43	.98	126.98	4.55
Illubabor	22.04	.79	8.91	.32	30.95	1.11
Jimma	104.71	3.75	10.73	.38	115.44	4.14
West Shoa	263.53	9.44	98.19	3.52	361.72	12.96
North Shoa	60.62	2.17	35.56	1.27	96.18	3.45
East Shoa	221.08	7.92	97.59	3.50	318.67	11.42
Arsi	333.45	11.95	25.19	.90	358.64	12.85
West Hararghe	6.57	.24	4.15	.15	10.72	.38
East Hararghe	25.00	.90	25.80	.92	50.80	1.82
Bale	44.87	1.61	13.97	.50	58.84	2.11
Borena	3.03	.11	1.29	.05	4.32	.15
Somale	.82	.03	.06	-	.88	.03
Shinele	.04	-	.01	-	.05	-
Jijiga	.78	.03	.05	-	.83	.03
Moyale	-	-	-	-	-	-
Benshangul-Gumuz	2.34	.08	.78	.03	3.12	.11
Metekel	1.98	.07	.59	.02	2.57	.09
Assosa	.34	.01	.17	.01	.51	.02
Kemeshi	.02	-	.02	-	.04	-
SNNPR	430.26	15.42	46.80	1.68	477.06	17.10
Gurage	88.21	3.16	10.99	.39	99.20	3.55
Hadiya	170.38	6.11	6.68	.24	177.06	6.34
Kembata Alaba T	90.25	3.23	3.27	.12	93.52	3.35
Sidama	30.52	1.09	5.21	.19	35.73	1.28
Gedio	2.51	.09	1.89	.07	4.40	.16
North Omo	39.84	1.43	15.51	.56	55.35	1.98
South Omo	.36	.01	.31	.01	.67	.02
Keficho-Shekich	1.36	.05	.98	.04	2.34	.08
Bench-Maji	1.11	.04	.48	.02	1.59	.06
Yem Special	4.99	.18	1.34	.05	6.33	.23
Amaro Special	.25	.01	.08	-	.33	.01
Burji Special	.38	.01	.03	-	.41	.01
Konso Special	.07	-	.03	-	.10	-
Derashe Special	.03	-	-	-	.03	-
Gambela	.39	.01	.13	-	.52	.02
Harari	2.12	.08	2.87	.10	4.99	.18
Addis Ababa	11.15	.40	6.12	.22	17.27	.62
Dire Dawa	.15	.01	.05	-	.20	.01
NATIONAL	2,196.58	78.71	593.98	21.29	2,790.56	100.00

FIG 1. TOTAL QUANTITY OF COMMERCIAL FERTILIZER APPLIED BY TYPE AND REGION FOR PRIVATE HOLDINGS, 1996/97 (1989 E.C.)



Section 3. Total Quantity of Commercial Fertilizer Purchased in Cash and on Credit

Estimates of total quantity of fertilizer purchased in cash and on credit basis for the 1996/97 (1989 E.C) crop year as obtained from the results of the survey is discussed briefly in this section.

According to the results of the survey, the total quantity of fertilizer purchased in 1996/97 (1989 E.C) crop year both in cash and on credit basis was estimated to be 3,315.62 thousand quintals with a total amount of 723,957.97 thousand Birr, at country level.

Out of this total, about 762.64 thousand quintals of fertilizer (23.00 %) with a total amount of 154,224.56 thousand Birr was purchased in cash, while 2,552.98 thousand quintals of fertilizer (77 %) with a total amount of 569,733.41 thousand Birr was purchased on credit basis with an advance payment of 67,477.78 thousand Birr. For details see survey results at country, regional and zonal levels.

FIG 2. QUANTITY AND PURCHASE COST OF COMMERCIAL FERTILIZERS BY CASH, CREDIT AND REGION FOR PRIVATE HOLDINGS 1996/97 (1989 E.C.)

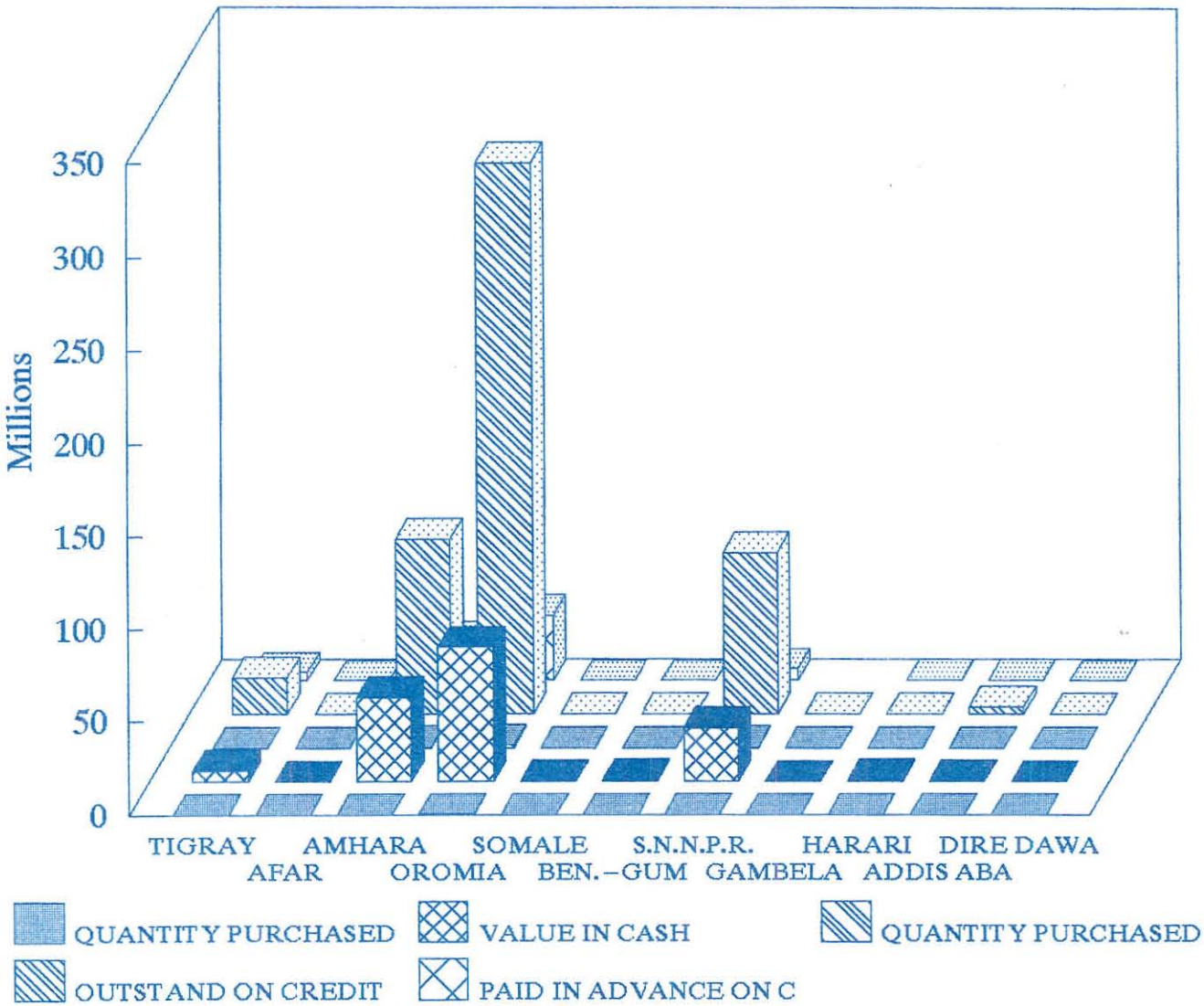


TABLE 3.1 QUANTITY AND PURCHASE COST OF COMMERCIAL FERTILIZERS BY CASH , CREDIT AND REGION FOR PRIVATE HOLDINGS 1996/97 (1989 E.C)

REGION	IN CASH		ON CREDIT			
	QUANTITY IN '000 QUINTALS	VALUE IN '000 BIRR	QUANTITY IN '000 QUINTALS	OUT STAND IN '000 BIRR	PAID IN ADVANCE '000 BIRR	TOTAL '000 BIRR
Tigray	28.41	6,198.23	104.81	19,357.56	4,439.58	23,797.14
Afar	0.09	13.97	0.08	19.45	4.58	24.03
Amhara	232.73	44,867.63	501.65	94,603.14	21,201.55	115,804.69
Oromia	365.38	72,214.38	1,497.14	297,082.15	35,345.48	332,427.63
Somale	1.17	387.59	0.36	52.41	9.46	61.87
Benshangul-Gumuz	4.03	852.99	0.60	94.00	50.54	144.54
SNNPR	124.5	28,370.48	429.71	87,119.55	6,150.73	93,270.28
Gambela	0.23	55.41	0.28	22.92	-	22.92
Harari	5.02	1,043.50	1.11	211.39	98.57	309.96
Addis Ababa	0.99	193.49	17.21	3,681.02	176.12	3,857.14
Dire Dawa	0.09	26.89	0.03	12.04	1.17	13.21
N A T I O N A L	762.64	154,224.56	2,552.98	502,255.63	67,477.78	569,733.41

TABLE3.2 QUANTITY AND PURCHASE COST OF COMMERCIAL FERTILIZERS BY CASH, CREDIT AND REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Reginal and Zonal

REGION / ZONE	IN CASH		ON CREDIT			
	QUANTITY IN '000 QUINTALS	VALUE IN'000 BIRR	QUANTITY IN '000 QUINTALS	OUTSTAND. IN '000 BIRR	PAID IN ADVANCE IN '000 BIRR	TOTAL '000 BIRR
Tigray	28.41	6,198.23	104.81	19,357.56	4,439.57	23,797.13
West Tigray	16.09	2,785.22	32.36	6,138.14	1,588.53	7,726.67
Central Tigray	8.25	1,684.17	27.66	5,703.02	1,149.78	6,852.80
East Tigray	1.06	490.79	7.71	1,761.05	335.65	2,096.70
South Tigray	3.01	1,238.05	37.08	5,755.35	1,365.61	7,120.96
Afar	.09	13.97	.08	19.45	4.58	24.03
Zone 1	-	-	-	-	-	-
Zone 3	.09	13.97	.08	19.45	4.58	24.03
Zone 5	-	-	-	-	-	-
Amhara	232.03	44,831.69	502.47	94,785.78	21,368.38	116,154.16
North Gondar	5.87	1,465.97	41.61	9,459.46	1,977.56	11,437.02
South Gondar	16.42	3,042.22	40.00	7,236.75	1,540.63	8,777.38
North Wollo	1.47	437.20	11.20	2,675.50	415.53	3,091.03
South Wollo	2.41	856.02	4.29	1,304.62	263.69	1,568.31
North Shoa	31.50	7,066.13	60.24	11,804.49	2,030.05	13,834.54
East Gojam	83.35	14,912.58	146.27	25,359.77	6,444.22	31,803.99
West Gojam	76.03	14,470.98	170.69	31,245.55	7,417.73	38,663.28
Waghamera	-	-	.48	86.33	20.35	106.68
Agewawi	14.67	2,448.22	26.73	5,448.07	1,250.81	6,698.88
Oromia Zone	.31	132.37	.96	165.24	7.81	173.05
Oromia	365.38	72,214.38	1,495.73	296,816.47	35,304.63	332,121.10
West Wellega	4.65	1,273.63	36.40	6,509.60	790.53	7,300.13
East Wellega	20.30	3,980.34	136.59	25,440.00	5,438.71	30,878.71
Illubabor	5.68	1,405.47	30.76	6,747.77	1,079.79	7,827.56
Jimma	14.88	3,057.63	116.87	24,527.57	1,322.10	25,849.67
West Shoa	57.48	11,750.70	384.90	78,280.09	2,939.38	81,219.47
North Shoa	24.78	6,216.25	86.86	17,535.21	2,604.64	20,139.85
East Shoa	53.07	9,710.53	304.80	65,294.40	3,154.99	68,449.39
Arsi	87.92	16,142.27	335.75	60,305.11	14,646.85	74,951.96
West Hararghe	5.03	1,202.11	11.82	1,392.23	417.68	1,809.91
East Hararghe	47.22	8,197.14	21.71	4,822.55	1,286.22	6,108.77
Bale	40.14	8,481.00	28.45	5,808.16	1,584.27	7,392.43
Borena	4.23	797.31	.82	153.78	39.47	193.25

TABLE3.2 QUANTITY AND PURCHASE COST OF COMMERCIAL FERTILIZERS BY CASH, CREDIT AND REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Regional and Zonal (cont.)

REGION / ZONE	IN CASH		ON CREDIT			
	QUANTITY IN '000 QUINTALS	VALUE IN'000 BIRR	QUANTITY IN '000 QUINTALS	OUTSTAND. IN '000 BIRR	PAID IN ADVANCE IN '000 BIRR	TOTAL '000 BIRR
Somale	1.17	387.60	.37	52.41	9.46	61.87
Shinele	-	.39	.06	8.04	.28	8.32
Jijiga	1.17	387.21	.31	44.37	9.18	53.55
Moyale	-	-	-	-	-	-
Benshangul-Gumuz	4.50	950.63	.60	94.00	50.53	144.53
Metekel	3.96	892.11	.24	47.14	32.77	79.91
Assosa	.47	45.20	.33	43.68	17.76	61.44
Kemeshi	.07	13.32	.03	3.18	-	3.18
SNNPR	124.50	28,370.49	429.72	87,119.55	6,150.71	93,270.26
Gurage	9.84	2,351.49	112.71	20,276.44	804.61	21,081.05
Hadiya	35.07	6,319.32	174.30	37,925.15	2,358.68	40,283.83
Kembata Alaba T	35.21	8,038.17	78.09	14,426.04	505.65	14,931.69
Sidama	29.70	7,331.80	6.30	1,264.33	357.61	1,621.94
Gedio	.31	179.83	3.48	876.30	242.69	1,118.99
North Omo	12.08	3,436.59	42.49	9,995.62	1,514.06	11,509.68
South Omo	.11	52.89	.33	120.03	44.00	164.03
Keficho-Shekich	.66	260.90	1.60	345.49	70.75	416.24
Bench-Maji	-	45.05	2.57	384.38	138.39	522.77
Yem Special	1.26	305.04	7.09	1,341.61	63.96	1,405.57
Amaro Special	.04	16.25	.28	58.08	23.98	82.06
Burji Special	.15	25.01	.46	83.12	20.84	103.96
Konso Special	.07	8.15	-	20.25	5.49	25.74
Derashe Special	-	-	.02	2.71	-	2.71
Gambela	.23	55.41	.28	22.92	-	22.92
Harari	5.02	1,043.50	1.11	211.39	98.57	309.96
Addis Ababa	.99	193.49	17.21	3,681.02	176.12	3,857.14
Dire Dawa	.09	26.89	.03	12.04	1.17	13.21
NATIONAL	762.41	154,286.28	2,552.41	502,172.59	67,603.72	569,776.31

Section 4. Distribution of Commercial Fertilizer User Household by Sex and Educational Status in 1996/97 (1989 E.C.)

During the survey, investigation were made to get information on how far the educational status of the head of a household influence the household member on the use of fertilizer in 1996/97 (1989 E.C) crop production year.

The data presented in Summary Table D showed that in 1996/97 (1989 E.C.) a total of 9,100.57 thousand household heads were engaged in crop production activities. Out of these household, heads 4,748.82 thousand household heads (52.18%) were illiterate males and 1019.98 thousand household heads (11.21%) were illiterate females. While about 3,062.27 thousand household heads (33.65 %) were literate males and 269 .40 (2.96 %) were literate females.

The survey result also showed that of the total household heads, 1,306.09 thousand (14.35 %) literate household heads and 1,812.13 thousand (19.91 %) illiterate household heads reported of applying commercial fertilizer on their farm, whereas 2,025.68 thousand (22.26 %) of literate and 3,956.67 thousand (43.48 %) of illiterate household heads reported that they did not apply commercial fertilizer on their farm during the 1996/97 (1989 E.C.) crop year. (For details see Summary Table D and survey results at country, regional and zonal levels).

Summary Table D. Distribution of Households Heads' Reporting Use of Commercial Fertilizer by Educational Status and Sex

Educational Status	Sex	Number of Households in '000					
		Who app. Comm.Fer	% ⇩	Who didn't app.Com.Fer	% ⇩	Total	% ⇩
Litrate	Male	1,226.59	39.34	1,835.78	38.69	3,062.37	33.65
	%⇨	40.05		59.95		100	
	Female	79.50	2.55	189.90	3.17	269.40	2.96
	%⇨	29.51		79.49		100	
	Total	1,306.09	41.89	2,025.68	33.86	3,331.77	36.61
	%⇨	39.20		60.80		100	
Illitrate	Male	1,549.96	49.71	3,198.86	53.47	4,748.82	52.18
	%⇨	32.64		67..36		100	
	Female	262.17	8.41	757.81	12.67	1,019.98	11.21
	%⇨	25.70		79.30		100	
	Total	1,812.13	58.11	3,956.67	66.14	5,768.80	63.39
	%⇨	31.41		68.59		100	
Grand Total	Male	2,776.55	89.04	5,034.64	84.16	7,811.19	85.83
	%⇨	35.55		64.45		100	
	Female	341.67	10.96	947.71	15.84	1,289.38	14.17
	%⇨	26.50		73.50		100	
	Total	3,118.22	100	5,982.35	100	9,100.57	100
	%⇨	34.26		65.74		100	

TABLE 4.1 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

National

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	1212.93	76.77	1289.70	1533.16	255.55	1788.71	2746.09	332.32	3078.41
Didn't apply Fertilizer	1815.83	187.18	2003.01	3173.32	748.18	3921.50	4989.15	935.36	5924.51
T O T A L	3028.76	263.95	3292.71	4706.48	1003.73	5710.21	7735.24	1267.68	9002.92

TABLE 4.2 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Tigray

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	71.15	3.34	74.49	96.36	20.23	116.59	167.51	23.57	191.08
Didn't apply Fertilizer	109.87	23.43	133.30	174.86	66.67	241.53	284.73	90.10	374.83
T O T A L	181.02	26.77	207.79	271.22	86.90	358.12	452.24	113.67	565.91

TABLE 4.2.1 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

West Tigray Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	20.55	1.00	21.55	25.38	6.32	31.70	45.93	7.32	53.25
Didn't apply Fertilizer	26.08	4.82	30.90	41.32	14.98	56.30	67.40	19.80	87.20
T O T A L	46.63	5.82	52.45	66.70	21.30	88.00	113.33	27.12	140.45

TABLE 4.2.2 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Central Tigray Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	22.18	.94	23.12	34.62	6.84	41.46	56.80	7.78	64.58
Didn't apply Fertilizer	31.33	6.65	37.98	63.04	24.82	87.86	94.37	31.47	125.84
T O T A L	53.51	7.59	61.10	97.66	31.66	129.32	151.17	39.25	190.42

TABLE 4.2.3 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

East Tigray Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	11.41	.87	12.28	11.04	3.06	14.10	22.45	3.93	26.38
Didn't apply Fertilizer	28.91	6.33	35.24	32.76	11.31	44.07	61.67	17.64	79.31
T O T A L	40.32	7.20	47.52	43.80	14.37	58.17	84.12	21.57	105.69

TABLE 4.2.4 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

South Tigray Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	17.02	.53	17.55	25.32	4.01	29.33	42.34	4.54	46.88
Didn't apply Fertilizer	23.54	5.63	29.17	37.52	15.56	53.08	61.06	21.19	82.25
T O T A L	40.56	6.16	46.72	62.84	19.57	82.41	103.40	25.73	129.13

TABLE 4.3 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Afar (IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	.18	-	.18	.28	-	.28	.46	-	.46
Didn't apply Fertilizer	5.40	.31	5.71	26.06	3.08	29.14	31.46	3.39	34.85
T O T A L	5.58	.31	5.89	26.34	3.08	29.42	31.92	3.39	35.31

TABLE 4.3.1 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Zone 1 (IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	-	-	-	-	-	-	-	-	-
Didn't apply Fertilizer	.57	.06	.63	6.23	.55	6.78	6.80	.61	7.41
T O T A L	.57	.06	.63	6.23	.55	6.78	6.80	.61	7.41

TABLE 4.3.2 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Zone 3 Zone (IN '000)

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Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	.18	-	.18	.28	-	.28	.46	-	.46
Didn't apply Fertilizer	4.20	.17	4.37	19.64	2.42	22.06	23.84	2.59	26.43
T O T A L	4.38	.17	4.55	19.92	2.42	22.34	24.30	2.59	26.89

TABLE 4.3.3 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Zone 5

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	-	-	-	-	-	-	-	-	-
Didn't apply Fertilizer	.63	.09	.72	.18	.12	.30	.81	.21	1.02
T O T A L	.63	.09	.72	.18	.12	.30	.81	.21	1.02

TABLE 4.4 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Amhara

(IN '000)

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	289.46	13.22	302.68	362.75	36.53	399.28	652.21	49.75	701.96
Didn't apply Fertilizer	555.41	71.22	626.63	1053.92	283.79	1337.71	1609.33	355.01	1964.34
T O T A L	844.87	84.44	929.31	1416.67	320.32	1736.99	2261.54	404.76	2666.30

TABLE 4.4.1 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Gonder Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	20.13	-	20.13	42.85	6.70	49.55	62.98	6.70	69.68
Didn't apply Fertilizer	65.85	4.11	69.96	178.87	48.40	227.27	244.72	52.51	297.23
T O T A L	85.98	4.11	90.09	221.72	55.10	276.82	307.70	59.21	366.91

TABLE 4.4.2 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

South Gonder Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	25.97	-	25.97	49.66	4.39	54.05	75.63	4.39	80.02
Didn't apply Fertilizer	72.60	13.83	86.43	151.13	36.60	187.73	223.73	50.43	274.16
T O T A L	98.57	13.83	112.40	200.79	40.99	241.78	299.36	54.82	354.18

TABLE 4.4.3 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Wolo Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	9.21	.76	9.97	15.76	1.65	17.41	24.97	2.41	27.38
Didn't apply Fertilizer	64.33	12.07	76.40	115.88	32.41	148.29	180.21	44.48	224.69
T O T A L	73.54	12.83	86.37	131.64	34.06	165.70	205.18	46.89	252.07

TABLE 4.4.4 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

South Wolo Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	13.33	.63	13.96	12.69	3.64	16.33	26.02	4.27	30.29
Didn't apply Fertilizer	121.93	10.67	132.60	211.33	71.29	282.62	333.26	81.96	415.22
T O T A L	135.26	11.30	146.56	224.02	74.93	298.95	359.28	86.23	445.51

TABLE 4.4.5 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Shewa Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	29.38	1.66	31.04	34.02	2.03	36.05	63.40	3.69	67.09
Didn't apply Fertilizer	80.58	10.72	91.30	96.87	32.37	129.24	177.45	43.09	220.54
T O T A L	109.96	12.38	122.34	130.89	34.40	165.29	240.85	46.78	287.63

TABLE 4.4.6 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

East Gojam Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	90.73	5.26	95.99	80.74	6.39	87.13	171.47	11.65	183.12
Didn't apply Fertilizer	52.27	7.06	59.33	91.98	18.81	110.79	144.25	25.87	170.12
T O T A L	143.00	12.32	155.32	172.72	25.20	197.92	315.72	37.52	353.24

TABLE 4.4.7 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

West Gojam Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	80.20	4.22	84.42	96.14	8.36	104.50	176.34	12.58	188.92
Didn't apply Fertilizer	41.68	7.78	49.46	74.50	20.28	94.78	116.18	28.06	144.24
T O T A L	121.88	12.00	133.88	170.64	28.64	199.28	292.52	40.64	333.16

TABLE 4.4.8 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Waghamera Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	.36	-	.36	.47	-	.47	.83	-	.83
Didn't apply Fertilizer	14.52	1.39	15.91	41.85	8.30	50.15	56.37	9.69	66.06
T O T A L	14.88	1.39	16.27	42.32	8.30	50.62	57.20	9.69	66.89

TABLE 4.4.9 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Agewawia Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	19.59	.70	20.29	29.01	3.39	32.40	48.60	4.09	52.69
Didn't apply Fertilizer	21.02	1.11	22.13	42.41	8.40	50.81	63.43	9.51	72.94
T O T A L	40.61	1.81	42.42	71.42	11.79	83.21	112.03	13.60	125.63

TABLE 4.4.10 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Oromia Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	.55	-	.55	1.43	-	1.43	1.98	-	1.98
Didn't apply Fertilizer	20.62	2.47	23.09	49.11	6.93	56.04	69.73	9.40	79.13
T O T A L	21.17	2.47	23.64	50.54	6.93	57.47	71.71	9.40	81.11

TABLE 4.5 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Oromia

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	550.95	40.88	591.83	720.46	122.47	842.93	1271.41	163.35	1434.76
Didn't apply Fertilizer	671.77	54.74	726.51	1064.06	209.94	1274.00	1735.83	264.68	2000.51
T O T A L	1222.72	95.62	1318.34	1784.52	332.41	2116.93	3007.24	428.03	3435.27

TABLE 4.5.1 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

West Welega Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	34.50	1.58	36.08	28.75	4.85	33.60	63.25	6.43	69.68
Didn't apply Fertilizer	106.87	6.07	112.94	98.03	12.28	110.31	204.90	18.35	223.25
T O T A L	141.37	7.65	149.02	126.78	17.13	143.91	268.15	24.78	292.93

TABLE 4.5.2 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

East Welega Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	47.50	2.44	49.94	58.01	9.78	67.79	105.51	12.22	117.73
Didn't apply Fertilizer	44.45	3.80	48.25	52.49	14.85	67.34	96.94	18.65	115.59
T O T A L	91.95	6.24	98.19	110.50	24.63	135.13	202.45	30.87	233.32

TABLE 4.5.3 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Illibabor Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	23.63	.58	24.21	36.62	1.80	38.42	60.25	2.38	62.63
Didn't apply Fertilizer	31.26	2.08	33.34	80.64	11.26	91.90	111.90	13.34	125.24
T O T A L	54.89	2.66	57.55	117.26	13.06	130.32	172.15	15.72	187.87

TABLE 4.5.4 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Jimma Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	42.15	1.60	43.75	114.77	5.49	120.26	156.92	7.09	164.01
Didn't apply Fertilizer	86.68	5.76	92.44	122.97	14.00	136.97	209.65	19.76	229.41
T O T A L	128.83	7.36	136.19	237.74	19.49	257.23	366.57	26.85	393.42

TABLE 4.5.5 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

West Shewa Zone

(IN '000)

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	112.64	8.53	121.17	157.25	23.75	181.00	269.89	32.28	302.17
Didn't apply Fertilizer	43.79	6.67	50.46	56.71	17.17	73.88	100.50	23.84	124.34
T O T A L	156.43	15.20	171.63	213.96	40.92	254.88	370.39	56.12	426.51

TABLE 4.5.6 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Shewa Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	25.77	3.13	28.90	32.76	6.35	39.11	58.53	9.48	68.01
Didn't apply Fertilizer	41.70	4.62	46.32	79.04	20.00	99.04	120.74	24.62	145.36
T O T A L	67.47	7.75	75.22	111.80	26.35	138.15	179.27	34.10	213.37

TABLE 4.5.7 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

East Shewa Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	43.77	6.78	50.55	85.22	22.12	107.34	128.99	28.90	157.89
Didn't apply Fertilizer	20.31	3.19	23.50	35.47	15.55	51.02	55.78	18.74	74.52
T O T A L	64.08	9.97	74.05	120.69	37.67	158.36	184.77	47.64	232.41

TABLE 4.5.8 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Arsi Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	138.80	10.39	149.19	125.21	36.26	161.47	264.01	46.65	310.66
Didn't apply Fertilizer	26.82	3.45	30.27	42.16	16.92	59.08	68.98	20.37	89.35
T O T A L	165.62	13.84	179.46	167.37	53.18	220.55	332.99	67.02	400.01

TABLE 4.5.9 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

West Harerge Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	9.72	-	9.72	8.64	1.04	9.68	18.36	1.04	19.40
Didn't apply Fertilizer	58.13	3.58	61.71	151.30	20.92	172.22	209.43	24.50	233.93
T O T A L	67.85	3.58	71.43	159.94	21.96	181.90	227.79	25.54	253.33

TABLE 4.5.10 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

East Harerge Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	36.26	.41	36.67	37.14	3.35	40.49	73.40	3.76	77.16
Didn't apply Fertilizer	75.87	3.28	79.15	166.68	20.15	186.83	242.55	23.43	265.98
T O T A L	112.13	3.69	115.82	203.82	23.50	227.32	315.95	27.19	343.14

TABLE 4.5.11 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Bale Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	32.25	5.03	37.28	32.20	6.79	38.99	64.45	11.82	76.27
Didn't apply Fertilizer	52.51	4.72	57.23	53.16	16.80	69.96	105.67	21.52	127.19
T O T A L	84.76	9.75	94.51	85.36	23.59	108.95	170.12	33.34	203.46

TABLE 4.5.12 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Borena Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	3.96	.41	4.37	3.88	.91	4.79	7.84	1.32	9.16
Didn't apply Fertilizer	83.38	7.52	90.90	125.40	30.04	155.44	208.78	37.56	246.34
T O T A L	87.34	7.93	95.27	129.28	30.95	160.23	216.62	38.88	255.50

TABLE 4.6 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Somale

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	2.27	.12	2.39	.06	.03	.09	2.33	.15	2.48
Didn't apply Fertilizer	21.56	3.28	24.84	51.63	6.22	57.85	73.19	9.50	82.69
T O T A L	23.83	3.40	27.23	51.69	6.25	57.94	75.52	9.65	85.17

TABLE 4.6.1 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Shinele Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	.08	-	.08	.06	.03	.09	.14	.03	.17
Didn't apply Fertilizer	.55	.07	.62	1.84	.31	2.15	2.39	.38	2.77
T O T A L	.63	.07	.70	1.90	.34	2.24	2.53	.41	2.94

TABLE 4.6.2 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Jijiga Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	2.19	.12	2.31	-	-	-	2.19	.12	2.31
Didn't apply Fertilizer	12.30	1.85	14.15	37.81	4.00	41.81	50.11	5.85	55.96
T O T A L	14.49	1.97	16.46	37.81	4.00	41.81	52.30	5.97	58.27

TABLE 4.6.3 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Moyale Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	-	-	-	-	-	-	-	-	-
Didn't apply Fertilizer	8.71	1.35	10.06	11.98	1.92	13.90	20.69	3.27	23.96
T O T A L	8.71	1.35	10.06	11.98	1.92	13.90	20.69	3.27	23.96

TABLE 4.7 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Benshangul-Gumuz

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	2.32	.07	2.39	2.46	.12	2.58	4.78	.19	4.97
Didn't apply Fertilizer	33.77	2.63	36.40	57.77	11.60	69.37	91.54	14.23	105.77
T O T A L	36.09	2.70	38.79	60.23	11.72	71.95	96.32	14.42	110.74

TABLE 4.7.1 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Metekel Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	1.78	.07	1.85	1.91	.12	2.03	3.69	.19	3.88
Didn't apply Fertilizer	13.27	.57	13.84	21.44	3.44	24.88	34.71	4.01	38.72
T O T A L	15.05	.64	15.69	23.35	3.56	26.91	38.40	4.20	42.60

TABLE 4.7.2 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Asosa Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	.51	-	.51	.54	-	.54	1.05	-	1.05
Didn't apply Fertilizer	13.16	1.91	15.07	24.96	4.71	29.67	38.12	6.62	44.74
T O T A L	13.67	1.91	15.58	25.50	4.71	30.21	39.17	6.62	45.79

TABLE 4.7.3 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Kemeshi Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	.03	-	.03	.01	-	.01	.04	-	.04
Didn't apply Fertilizer	7.35	.15	7.50	11.37	3.44	14.81	18.72	3.59	22.31
T O T A L	7.38	.15	7.53	11.38	3.44	14.82	18.76	3.59	22.35

TABLE 4.8 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

(S.N.N.P.R)

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	292.81	19.02	311.83	344.30	75.08	419.38	637.11	94.10	731.21
Didn't apply Fertilizer	401.81	30.25	432.06	722.93	162.65	885.58	1124.74	192.90	1317.64
T O T A L	694.62	49.27	743.89	1067.23	237.73	1304.96	1761.85	287.00	2048.85

TABLE 4.8.1 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Gurage Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	61.88	6.36	68.24	78.47	12.82	91.29	140.35	19.18	159.53
Didn't apply Fertilizer	20.57	8.43	29.00	98.01	35.31	133.32	118.58	43.74	162.32
T O T A L	82.45	14.79	97.24	176.48	48.13	224.61	258.93	62.92	321.85

TABLE 4.8.2 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Hadiya Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	60.46	4.69	65.15	80.02	16.76	96.78	140.48	21.45	161.93
Didn't apply Fertilizer	6.83	2.05	8.88	5.30	3.21	8.51	12.13	5.26	17.39
T O T A L	67.29	6.74	74.03	85.32	19.97	105.29	152.61	26.71	179.32

TABLE 4.8.3 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Kembata Alaba Tembaro Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	43.34	3.94	47.28	49.76	17.33	67.09	93.10	21.27	114.37
Didn't apply Fertilizer	4.62	.91	5.53	7.75	2.33	10.08	12.37	3.24	15.61
T O T A L	47.96	4.85	52.81	57.51	19.66	77.17	105.47	24.51	129.98

TABLE 4.8.4 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Sidama Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	64.06	3.63	67.69	52.86	9.27	62.13	116.92	12.90	129.82
Didn't apply Fertilizer	109.53	6.20	115.73	124.73	33.22	157.95	234.26	39.42	273.68
T O T A L	173.59	9.83	183.42	177.59	42.49	220.08	351.18	52.32	403.50

TABLE 4.8.5 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Gedio Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	2.83	.15	2.98	2.97	.15	3.12	5.80	.30	6.10
Didn't apply Fertilizer	43.38	4.74	48.12	45.46	12.71	58.17	88.84	17.45	106.29
T O T A L	46.21	4.89	51.10	48.43	12.86	61.29	94.64	17.75	112.39

TABLE 4.8.6 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Omo Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	53.48	-	53.48	69.25	18.01	87.26	122.73	18.01	140.74
Didn't apply Fertilizer	115.92	.70	116.62	236.05	43.47	279.52	351.97	44.17	396.14
T O T A L	169.40	.70	170.10	305.30	61.48	366.78	474.70	62.18	536.88

TABLE 4.8.7 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

South Omo Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	.26	-	.26	.24	.11	.35	.50	.11	.61
Didn't apply Fertilizer	10.53	.13	10.66	56.20	8.85	65.05	66.73	8.98	75.71
T O T A L	10.79	.13	10.92	56.44	8.96	65.40	67.23	9.09	76.32

TABLE 4.8.8 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Keficho-Shekicho Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	1.98	-	1.98	1.94	.14	2.08	3.92	.14	4.06
Didn't apply Fertilizer	52.39	4.78	57.17	74.11	9.74	83.85	126.50	14.52	141.02
T O T A L	54.37	4.78	59.15	76.05	9.88	85.93	130.42	14.66	145.08

TABLE 4.8.9 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Bench-Maji Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	1.06	-	1.06	1.16	-	1.16	2.22	-	2.22
Didn't apply Fertilizer	19.97	1.80	21.77	37.20	9.13	46.33	57.17	10.93	68.10
T O T A L	21.03	1.80	22.83	38.36	9.13	47.49	59.39	10.93	70.32

TABLE 4.8.10 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Yem Special Wereda Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	2.63	.25	2.88	6.62	.38	7.00	9.25	.63	9.88
Didn't apply Fertilizer	1.19	.16	1.35	2.06	.48	2.54	3.25	.64	3.89
T O T A L	3.82	.41	4.23	8.68	.86	9.54	12.50	1.27	13.77

TABLE 4.8.11 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Amaro Special Wereda Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	.31	-	.31	.34	.05	.39	.65	.05	.70
Didn't apply Fertilizer	6.68	.15	6.83	6.04	.75	6.79	12.72	.90	13.62
T O T A L	6.99	.15	7.14	6.38	.80	7.18	13.37	.95	14.32

TABLE 4.8.12 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Burji Special Wereda Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	.27	-	.27	.50	.06	.56	.77	.06	.83
Didn't apply Fertilizer	2.26	.09	2.35	3.12	.45	3.57	5.38	.54	5.92
T O T A L	2.53	.09	2.62	3.62	.51	4.13	6.15	.60	6.75

TABLE 4.8.13 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Konso Special Wereda Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	.22	-	.22	.19	-	.19	.41	-	.41
Didn't apply Fertilizer	4.22	.07	4.29	17.96	2.09	20.05	22.18	2.16	24.34
T O T A L	4.44	.07	4.51	18.15	2.09	20.24	22.59	2.16	24.75

TABLE 4.8.14 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Derashe Special Wereda Zone

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	.04	-	.04	-	-	-	.04	-	.04
Didn't apply Fertilizer	3.73	.05	3.78	8.95	.91	9.86	12.68	.96	13.64
T O T A L	3.77	.05	3.82	8.95	.91	9.86	12.72	.96	13.68

TABLE 4.9 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Gambela

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	.80	-	.80	.59	.13	.72	1.39	.13	1.52
Didn't apply Fertilizer	11.32	.84	12.16	10.28	2.37	12.65	21.60	3.21	24.81
T O T A L	12.12	.84	12.96	10.87	2.50	13.37	22.99	3.34	26.33

TABLE 4.10 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Harari

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	1.58	.05	1.63	3.59	.46	4.05	5.17	.51	5.68
Didn't apply Fertilizer	1.99	.22	2.21	3.90	.88	4.78	5.89	1.10	6.99
T O T A L	3.57	.27	3.84	7.49	1.34	8.83	11.06	1.61	12.67

TABLE 4.11 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Addis Ababa

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	1.02	.08	1.10	2.08	.48	2.56	3.10	.56	3.66
Didn't apply Fertilizer	.07	-	.07	.14	.03	.17	.21	.03	.24
T O T A L	1.09	.08	1.17	2.22	.51	2.73	3.31	.59	3.90

TABLE 4.12 DISTRIBUTION OF HOUSEHOLDS BY EDUCATIONAL STATUS AND TOTAL COMMERCIAL FERTILIZER USE FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Dire Dawa

(IN '000)

Number of households	Educational Status						Total household heads		
	Nº of literate household heads			Nº of Illiterate household heads					
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Applied Fertilizer	.40	-	.40	.23	.03	.26	.63	.03	.66
Didn't apply Fertilizer	2.86	.26	3.12	7.78	.96	8.74	10.64	1.22	11.86
T O T A L	3.26	.26	3.52	8.01	.99	9.00	11.27	1.25	12.52

Section 5. Distribution of Households Who Applied Commercial Fertilizer by Source of Fertilizer Suppliers 1996/97 (1989 E.C.)

According to the survey results, in 1996/97 (1989 E.C), it was estimated that a total of 3,101.07 thousand households have reported for obtaining fertilizer from different sources. Of these households, about 1,617.86 thousand (52.17%) reported "AISCO" as their sole source of fertilizer. Whereas about 980.84 (31.62%) and 494.60 (15.95%) thousand households reported "private traders" and "others" as their main source of fertilizer suppliers, respectively. Nevertheless, only 7.62 thousand households (0.25 %) didn't report the source of fertilizer they used in 1996/97 (1989 E.C.) crop year (Summary Table E).

Generally, by considering all agents that supply fertilizer for households in the 1996/97 (1989 E.C) crop production year, one can easily identity "AISCO" as the major supplier of fertilizer all over the country, while private trader and others, were the second and third suppliers of fertilizer, respectively.

Summary Table E. Distribution of Households Who Used Commercial Fertilizer by Source of Major Fertilizer Dealers

Name of fertilizer Dealers	Households who obtained fertilizer	
	Number in '000	%
AISCO	1,617.86	52.17
Private traders	980.84	31.62
Others	494.75	15.95
Not Stated	7.62	0.25
Total	3,101.07	100.00

FIG 3. DISTRIBUTION OF HOUSEHOLDS WHO USED COMMERCIAL FERTILIZER BY SOURCE OF MAJOR FERTILIZER TRADERS AND REGION FOR PRIVATE HOLDINGS,1996/97 (1989 E.C.)

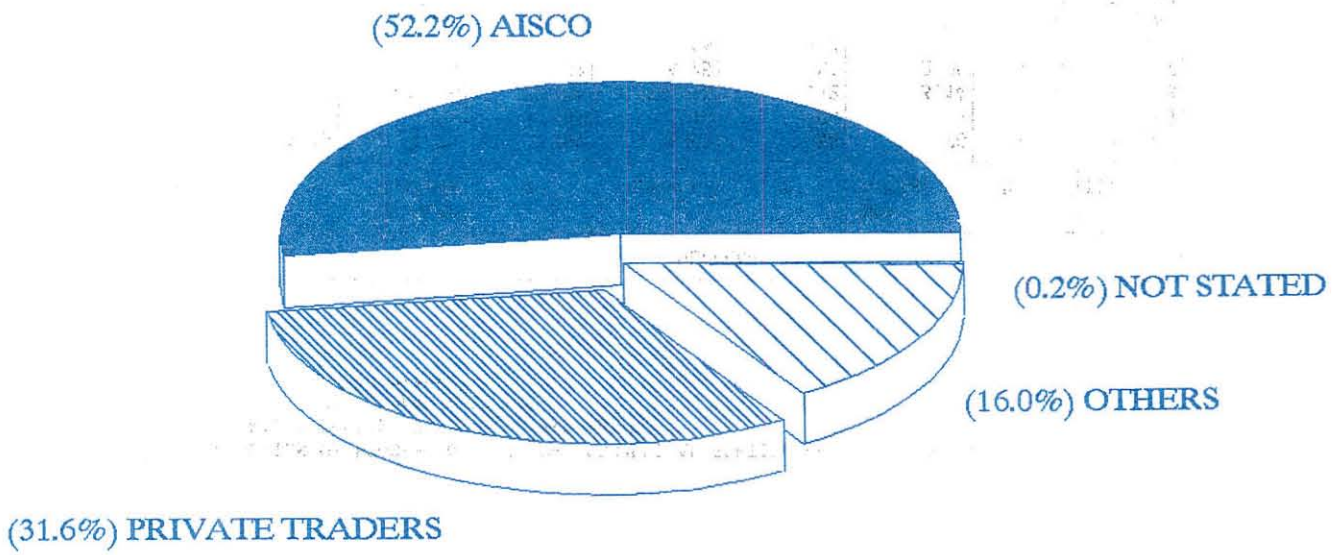


TABLE 5.1 DISTRIBUTION OF HOUSEHOLDS WHO USED COMMERCIAL FERTILIZER BY SOURCE OF MAJOR FERTILIZER DEALERS AND REGION
FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

National

(IN '000)

REGION	DEALEARS								
	AISCO	%	PRIVATE TRADERS	%	OTHERS	%	NOT STATED	%	TOTAL
Tigray	180.37	11.15	5.75	.59	6.83	1.38	.78	10.24	193.73
Afar	.08	-	.19	.02	.18	.04	-	-	.45
Amhara	297.10	18.36	284.26	28.98	124.28	25.12	3.14	41.21	708.78
Oromia	824.33	50.95	397.89	40.57	216.75	43.81	2.90	38.06	1,441.87
Somale	.17	.01	2.16	.22	.16	.03	-	-	2.49
Benshangul-Gumuz	.21	.01	4.49	.46	.36	.07	.35	4.59	5.41
SNNPR	310.83	19.21	281.24	28.67	144.03	29.11	.40	5.25	736.50
Gambela	1.36	.08	-	-	.16	.03	-	-	1.52
Harari	.61	.04	4.30	.44	.75	.15	.04	.52	5.70
Addis Ababa	2.62	.16	.34	.03	.93	.19	.01	.13	3.90
Dire Dawa	.18	.01	.22	.02	.32	.06	-	-	.72
NATIONAL	1,617.86	100.00	980.84	100.00	494.75	100.00	7.62	100.00	3,101.07

TABLE 5.1.1 DISTRIBUTION OF HHS WHO USED COMMERCIAL FERTILIZER BY SOURCE OF MAJOR FERTILIZER DEALERS AND REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

National (IN '000)

REGION/ ZONE	DEALEARS								
	AISCO	%	PRIVATE TRADERS	%	OTHERS	%	NOT STATED	%	TOTAL
Tigray	180.37	5.82	5.75	.19	6.83	.22	.78	.03	193.73
West Tigray	50.95	1.64	.46	.01	2.26	.07	-	-	53.67
Central Tigray	63.34	2.04	.87	.03	.68	.02	-	-	64.89
East Tigray	22.99	.74	3.14	.10	-	-	.78	.03	26.91
South Tigray	43.09	1.39	1.28	.04	3.89	.13	-	-	48.26
Afar	.08	-	.19	.01	.18	.01	-	-	.45
Zone 1	-	-	-	-	-	-	-	-	-
Zone 3	.08	-	.19	.01	.18	.01	-	-	.45
Zone 5	-	-	-	-	-	-	-	-	-
Amhara	297.10	9.58	284.27	9.17	124.27	4.01	3.14	.10	708.78
North Gondar	30.94	1.00	9.75	.31	29.47	.95	-	-	70.16
South Gondar	58.31	1.88	18.93	.61	2.77	.09	-	-	80.01
North Wollo	20.13	.65	.36	.01	7.67	.25	.33	.01	28.49
South Wollo	29.59	.95	-	-	1.27	.04	-	-	30.86
North Shoa	25.50	.82	31.40	1.01	9.72	.31	.39	.01	67.01
East Gojam	74.75	2.41	71.93	2.32	36.44	1.18	-	-	183.12
West Gojam	37.61	1.21	130.87	4.22	22.70	.73	2.22	.07	193.40
Waghamera	.60	.02	-	-	-	-	-	-	.60
Agewawi	17.94	.58	20.89	.67	14.12	.46	.20	.01	53.15
Oromia Zone	1.73	.06	.14	-	.11	-	-	-	1.98
Oromia	824.33	26.58	397.89	12.83	216.75	6.99	2.89	.09	1,441.86
West Wellega	58.96	1.90	6.84	.22	5.09	.16	-	-	70.89
East Wellega	85.40	2.75	11.25	.36	21.06	.68	.31	.01	118.02
Illubabor	51.48	1.66	5.70	.18	6.37	.21	-	-	63.55
Jimma	113.67	3.67	34.32	1.11	16.02	.52	-	-	164.01
West Shoa	103.90	3.35	138.68	4.47	59.94	1.93	.54	.02	303.06
North Shoa	40.72	1.31	14.14	.46	13.68	.44	-	-	68.54
East Shoa	75.83	2.45	53.05	1.71	30.10	.97	.98	.03	159.96
Arsi	213.97	6.90	53.06	1.71	43.79	1.41	-	-	310.82
West Hararghe	10.32	.33	7.72	.25	1.26	.04	-	-	19.30
East Hararghe	14.84	.48	50.04	1.61	11.92	.38	1.06	.03	77.86
Bale	52.24	1.68	17.34	.56	6.70	.22	-	-	76.28
Borena	3.00	.10	5.75	.19	.82	.03	-	-	9.57

TABLE 5.1.1 DISTRIBUTION OF HHS WHO USED COMMERCIAL FERTILIZER BY SOURCE OF MAJOR FERTILIZER DEALERS AND REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

(Cont.)
National

(IN '000)

REGION/ ZONE	DEALEARS								
	AISCO	%	PRIVATE TRADERS	%	OTHERS	%	NOT STATED	%	TOTAL
Somale	.17	.01	2.16	.07	.16	.01	-	-	2.49
Shinele	.02	-	-	-	.16	.01	-	-	.18
Jijiga	.15	-	2.16	.07	-	-	-	-	2.31
Moyale	-	-	-	-	-	-	-	-	-
Benshangul-Gumuz	.20	.01	4.49	.14	.36	.01	.35	.01	5.40
Metekel	-	-	3.76	.12	.12	-	.35	.01	4.23
Assosa	.17	.01	.72	.02	.24	.01	-	-	1.13
Kemeshi	.03	-	.01	-	-	-	-	-	.04
SNNPR	310.83	10.02	281.26	9.07	144.02	4.64	.40	.01	736.51
Gurage	64.76	2.09	35.39	1.14	61.10	1.97	-	-	161.25
Hadiya	97.11	3.13	51.32	1.65	14.47	.47	.23	.01	163.13
Kembata Alaba T	49.05	1.58	52.27	1.69	12.23	.39	-	-	113.55
Sidama	3.54	.11	95.23	3.07	32.63	1.05	-	-	131.40
Gedio	2.22	.07	.21	.01	3.68	.12	-	-	6.11
North Omo	79.39	2.56	45.52	1.47	17.05	.55	-	-	141.96
South Omo	.50	.02	-	-	.11	-	-	-	.61
Keficho-Shekich	3.30	.11	-	-	.79	.03	.15	-	4.24
Bench-Maji	2.00	.06	-	-	.42	.01	-	-	2.42
Yem Special	7.20	.23	1.29	.04	1.36	.04	-	-	9.85
Amaro Special	.65	.02	-	-	.08	-	-	-	.73
Burji Special	.78	.03	.03	-	.01	-	-	-	.82
Konso Special	.33	.01	-	-	.07	-	-	-	.40
Derashe Special	-	-	-	-	.02	-	.02	-	.04
Gambella	1.36	.04	-	-	.16	.01	-	-	1.52
Harari	.61	.02	4.30	.14	.75	.02	.04	-	5.70
Addis Ababa	2.62	.08	.34	.01	.93	.03	.01	-	3.90
Dire Dawa	.18	.01	.22	.01	.32	.01	-	-	.72
NATIONAL	1,617.85	52.17	980.87	31.63	494.73	15.95	7.61	.25	3,101.06

Section 6. Distribution of Households Who Use Commercial Fertilizer by Time of Application

Fertilizer application practices used by farmers can generally be classified into three categories. These are: "Fertilizer application at or before sowing", "during the growth of crop", and "the combination of both".

Based on these classifications, a total of 3104.10 thousand households reported for exercising fertilizer application in 1996/97 (1989 E.C) crop production year. Out of this total, about 2,447.62 thousand (78.85 %), 179.48 thousand (5.78 %) and 477 thousand (15.37 %) households reported using, at or before sowing, during the crop growth and the combination of both fertilizer application exercise, respectively, in the 1996/97 (1989 E.C.) crop production year, (For details see Summary Table F and survey results at country, regional and zonal levels).

Summary Table F. Distribution of Households Who Use Commercial Fertilizer by Time of Fertilizer

	Households reporting	
Time of fertilize application	Number in '000	%
At or before sowing	2,447.62	78.85
During the growth of crops	179.48	5.78
Both times	477.00	15.37
Total	3,104.10	100.00

TABLE 6.1 DISTRIBUTION OF HOUSEHOLDS WHO USE COMMERCIAL FERTILIZER BY TIME OF APPLICATION FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

National (IN '000)

REGION	TIME OF FERTILIZER APPLICATION						
	AT OR BEFORE SOWING	%	DURING THE CROP GROWTH	%	BOTH	%	TOTAL
Tigray	164.97	6.74	3.06	1.70	24.92	5.22	192.95
Afar	.18	.01	.19	.11	.08	.02	.45
Amhara	518.14	21.17	31.41	17.50	157.40	33.00	706.95
Oromia	1,188.00	48.54	61.69	34.37	196.50	41.19	1,446.19
Somale	1.17	.05	.06	.03	1.26	.26	2.49
Benshangul-Gumuz	4.20	.17	.15	.08	.71	.15	5.06
SNNPR	569.13	23.25	78.53	43.75	90.51	18.97	738.17
Gambela	1.16	.05	.19	.11	.24	.05	1.59
Harari	.20	.01	3.71	2.07	1.74	.36	5.65
Addis Ababa	.34	.01	.03	.02	3.52	.74	3.89
Dire Dawa	.13	.01	.46	.26	.12	.03	.71
N A T I O N A L	2,447.62	100.00	179.48	100.00	477.00	100.00	3,104.10

TABLE 6.2 DISTRIBUTION OF HHS WHO USE COMMERCIAL FERTILIZER BY TIME OF APPLICATION FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Regional and Zonal (IN '000)

REGION/ ZONE	TIME OF FERTILIZER APPLICATION						
	AT OR BEFORE SOWING	%	DURING THE CROP GROWTH	%	BOTH	%	TOTAL
Tigray	164.98	5.31	3.06	.10	24.92	.80	192.96
West Tigray	36.52	1.18	1.06	.03	16.09	.52	53.67
Central Tigray	59.78	1.93	.89	.03	4.23	.14	64.90
East Tigray	25.11	.81	.67	.02	.35	.01	26.13
South Tigray	43.57	1.40	.44	.01	4.25	.14	48.26
Afar	.18	.01	.19	.01	.08	-	.45
Zone 1	-	-	-	-	-	-	-
Zone 3	.18	.01	.19	.01	.08	-	.45
Zone 5	-	-	-	-	-	-	-
Amhara	518.13	16.69	31.43	1.01	157.40	5.07	706.96
North Gondar	50.63	1.63	3.65	.12	15.88	.51	70.16
South Gondar	64.79	2.09	8.83	.28	6.87	.22	80.49
North Wollo	9.79	.32	.24	.01	18.13	.58	28.16
South Wollo	8.91	.29	3.17	.10	18.79	.61	30.87
North Shoa	38.14	1.23	3.98	.13	25.66	.83	67.78
East Gojam	118.73	3.82	7.90	.25	56.04	1.81	182.67
West Gojam	175.52	5.65	2.84	.09	12.82	.41	191.18
Waghamera	.36	.01	.12	-	.24	.01	.72
Agewawi	49.39	1.59	.70	.02	2.86	.09	52.95
Oromia Zone	1.87	.06	-	-	.11	-	1.98
Oromia	1,187.99	38.27	61.69	1.99	196.50	6.33	1,446.18
West Wellega	57.68	1.86	1.60	.05	12.47	.40	71.75
East Wellega	108.82	3.51	1.18	.04	8.28	.27	118.28
Illubabor	45.38	1.46	.22	.01	17.96	.58	63.56
Jimma	139.61	4.50	6.80	.22	18.84	.61	165.25
West Shoa	262.84	8.47	2.35	.08	37.93	1.22	303.12
North Shoa	48.85	1.57	6.65	.21	13.34	.43	68.84
East Shoa	107.85	3.47	1.47	.05	50.36	1.62	159.68
Arsi	302.25	9.74	.91	.03	7.66	.25	310.82
West Hararghe	6.57	.21	4.05	.13	8.68	.28	19.30
East Hararghe	27.04	.87	34.89	1.12	17.81	.57	79.74
Bale	73.58	2.37	1.57	.05	1.12	.04	76.27
Borena	7.52	.24	-	-	2.05	.07	9.57

TABLE 6.2 DISTRIBUTION OF HHS WHO USE COMMERCIAL FERTILIZER BY TIME OF APPLICATION FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Regional and Zonal(cont.) (IN '000)

REGION/ ZONE	TIME OF FERTILIZER APPLICATION						
	AT OR BEFORE SOWING	%	DURING THE CROP GROWTH	%	BOTH	%	TOTAL
Somale	1.18	.04	.06	-	1.26	.04	2.50
Shinele	.09	-	.06	-	.04	-	.19
Jijiga	1.09	.04	-	-	1.22	.04	2.31
Moyale	-	-	-	-	-	-	-
Benshangul-Gumuz	4.20	.14	.15	-	.71	.02	5.06
Metekel	3.64	.12	.06	-	.18	.01	3.88
Assosa	.55	.02	.09	-	.50	.02	1.14
Kemeshi	.01	-	-	-	.03	-	.04
SNNPR	569.13	18.33	78.53	2.53	90.50	2.92	738.16
Gurage	142.67	4.60	13.57	.44	5.01	.16	161.25
Hadiya	152.72	4.92	.24	.01	10.85	.35	163.81
Kembata Alaba T	103.46	3.33	1.08	.03	9.02	.29	113.56
Sidama	25.66	.83	60.09	1.94	45.64	1.47	131.39
Gedio	2.91	.09	.35	.01	2.84	.09	6.10
North Omo	124.92	4.02	2.10	.07	14.95	.48	141.97
South Omo	-	-	-	-	.61	.02	.61
Keficho-Shekich	3.53	.11	.67	.02	.71	.02	4.91
Bench-Maji	1.77	.06	-	-	.65	.02	2.42
Yem Special	9.73	.31	.05	-	.07	-	9.85
Amaro Special	.60	.02	.12	-	-	-	.72
Burji Special	.68	.02	.01	-	.15	-	.84
Konso Special	.48	.02	.23	.01	-	-	.71
Derashe Special	-	-	.02	-	-	-	.02
Gambela	1.16	.04	.19	.01	.24	.01	1.59
Harari	.20	.01	3.71	.12	1.74	.06	5.65
Addis Ababa	.34	.01	.03	-	3.52	.11	3.89
Dire Dawa	.13	-	.46	.01	.12	-	.71
NATIONAL	2,447.62	78.85	179.50	5.78	476.99	15.37	3,104.11

Section 7. Distribution of Household on the Timeliness of Fertilizer and Credit Availability in 1996/97 (1989 E.C.)

As it has been mentioned earlier in this report, among a number of measures that has to be taken to increase land productivity in Ethiopia, the effective promotion of a more wide spread and more efficient use of mineral fertilizer in the country has a paramount importance. In order to meet this goal, the availability of credit facilities and agents that supply the required fertilizer in places near to the farmers, are the major factors that play important role. With regard to these facilities, during the survey an attempt has been made to assess the availability of credit facilities and agents that supply fertilizers in quantity demanded on time for private peasants in the 1996/97 (1989 E.C) crop production year.

Based on the assessment made, the survey results revealed that from a total of 3,100.69 thousand households that demanded for fertilizer, only a total of 2,214.28 thousand households (71.41 %) reported for obtaining fertilizer required on time. While the rest i.e. 869.53 thousand households (28.04 %) reported for not getting the required fertilizer on time. Only 16.88 thousand households (0.54 %) failed to report the availability of fertilizer demanded on time.

Similarly, a total 2,700.07 thousand households reported for demanding credit in 1996/97 (1989 E.C.) crop year. Of this total only 1,277.68 thousand households (43.32 %) reported for obtaining the credit demanded on time. Whereas the remaining 1,422.39 thousand households (52.65 %) reported for not getting the required credit on time.

Summary Table G. Distribution of Households Who Reported the Timeliness and Availability of Fertilizer and Credit Facility E.C.)

Timeliness and Availability of Fertilizer	Household Numbers in '000 Reported Availability of			
	Fertilizer	%	Credit	%
Got on time	2,214.28	71.41	1,277.68	47.32
Didn't get on time	869.53	28.04	1,422.39	52.68
Not Stated	16.88	0.54	-	-
Total	3,100.69	100	2,700.07	100

TABLE 7.1 DISTRIBUTION OF HOUSEHOLDS WHO REPORTED THE TIMELINESS AND AVAILABILITY OF FERTILIZER AND CREDIT FACILITY BY REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

National

(IN '000)

REGION	AVAILABILITY OF													
	FERTILIZER								CREDIT FACILITY					
	TIMELY		NOT ON TIME		NOT STATED		TOTAL		TIMELY		NOT ON TIME		TOTAL	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
Tigray	177.13	91.43	15.50	8.00	1.10	.57	193.73	100.00	119.39	70.15	50.80	29.85	170.19	100.00
Afar	.27	58.70	.19	41.30	-	-	.46	100.00	.18	3.70	4.68	96.30	4.86	100.00
Amhara	623.34	87.95	78.77	11.11	6.61	.93	708.72	100.00	379.17	62.91	223.51	37.09	602.68	100.00
Oromia	842.45	58.42	593.81	41.18	5.70	.40	1,441.96	100.00	514.14	38.90	807.42	61.10	1,321.56	100.00
Somale	.76	30.52	1.71	68.67	.02	.80	2.49	100.00	.34	4.88	6.63	95.12	6.97	100.00
Benshangul-Gumuz	2.92	53.97	2.05	37.89	.44	8.13	5.41	100.00	.27	6.89	3.65	93.11	3.92	100.00
SNNPR	558.45	75.87	174.74	23.74	2.85	.39	736.04	100.00	260.86	44.95	319.44	55.05	580.30	100.00
Gambela	1.39	91.45	.13	8.55	-	-	1.52	100.00	.04	6.45	.58	93.55	.62	100.00
Harari	3.71	64.63	1.97	34.32	.06	1.05	5.74	100.00	.43	9.73	3.99	90.27	4.42	100.00
Addis Ababa	3.41	87.44	.45	11.54	.04	1.03	3.90	100.00	2.75	71.24	1.11	28.76	3.86	100.00
Dire Dawa	.45	62.50	.21	29.17	.06	8.33	.72	100.00	.11	15.94	.58	84.06	.69	100.00
NATIONAL	2,214.28	71.41	869.53	28.04	16.88	.54	3,100.69	100.00	1,277.68	47.32	1,422.39	52.68	2,700.07	100.00

TABLE 7.1.1 DISTRIBUTION OF HHS WHO REPORTED THE TIMELINESS AND AVAILABILITY OF FERTILIZER AND CREDIT FACILITY BY REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

National

(IN '000)

REGION/ ZONE	AVAILABILITY OF													
	FERTILIZER								CREDIT FACILITY					
	TIMELY		NOT ON TIME		NOT STATED		TOTAL		TIMELY		NOT ON TIME		TOTAL	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
Tigray	177.13	48.67	15.50	4.26	1.10	.30	-	-	119.40	32.81	50.81	13.96	363.94	100.00
West Tigray	50.43	51.83	3.23	3.32	-	-	-	-	32.18	33.08	11.45	11.77	97.29	100.00
Central Tigray	58.35	48.28	6.22	5.15	.32	.26	-	-	34.11	28.23	21.85	18.08	120.85	100.00
East Tigray	23.74	46.64	2.39	4.70	.78	1.53	-	-	15.41	30.28	8.58	16.86	50.90	100.00
South Tigray	44.61	47.01	3.66	3.86	-	-	-	-	37.70	39.73	8.93	9.41	94.90	100.00
Afar	.27	5.08	.19	3.57	-	-	-	-	.18	3.38	4.68	87.97	5.32	100.00
Zone 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zone 3	.27	5.08	.19	3.57	-	-	-	-	.18	3.38	4.68	87.97	5.32	100.00
Zone 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amhara	623.34	47.53	78.77	6.01	6.61	.50	-	-	379.18	28.91	223.53	17.04	1,311.43	100.00
North Gondar	50.64	39.40	19.04	14.81	.48	.37	-	-	30.73	23.91	27.63	21.50	128.52	100.00
South Gondar	75.38	52.33	4.63	3.21	-	-	-	-	46.57	32.33	17.46	12.12	144.04	100.00
North Wollo	26.99	48.47	.76	1.36	.74	1.33	-	-	23.35	41.94	3.84	6.90	55.68	100.00
South Wollo	27.18	49.26	3.12	5.65	.56	1.01	-	-	8.12	14.72	16.20	29.36	55.18	100.00
North Shoa	58.71	47.38	7.90	6.38	.78	.63	-	-	28.03	22.62	28.49	22.99	123.91	100.00
East Gojam	168.23	50.59	14.45	4.35	-	-	-	-	102.53	30.83	47.33	14.23	332.54	100.00
West Gojam	168.23	44.75	21.32	5.67	3.85	1.02	-	-	114.57	30.48	67.94	18.07	375.91	100.00
Waghamera	.60	46.51	-	-	-	-	-	-	.36	27.91	.33	25.58	1.29	100.00
Agewawi	45.66	50.26	7.28	8.01	.20	.22	-	-	23.69	26.08	14.01	15.42	90.84	100.00
Oromia Zone	1.72	48.86	.27	7.67	-	-	-	-	1.23	34.94	.30	8.52	3.52	100.00
Oromia	842.45	30.48	593.80	21.49	5.71	.21	-	-	514.15	18.60	807.41	29.22	2,763.52	100.00
West Wellega	48.67	33.02	21.38	14.51	.84	.57	-	-	36.87	25.02	39.62	26.88	147.38	100.00
East Wellega	78.41	34.36	38.83	17.01	.78	.34	-	-	67.53	29.59	42.67	18.70	228.22	100.00
Illubabor	50.25	40.64	12.54	10.14	.50	.40	-	-	28.67	23.18	31.70	25.63	123.66	100.00
Jimma	118.23	37.23	45.78	14.42	-	-	-	-	74.14	23.35	79.43	25.01	317.58	100.00
West Shoa	132.88	22.76	169.63	29.06	.54	.09	-	-	56.83	9.74	223.83	38.35	583.71	100.00
North Shoa	45.45	37.48	23.10	19.05	-	-	-	-	29.10	24.00	23.60	19.46	121.25	100.00
East Shoa	89.33	30.39	69.30	23.57	1.69	.57	-	-	57.24	19.47	76.42	25.99	293.98	100.00
Arsi	151.47	25.12	159.35	26.43	-	-	-	-	128.76	21.35	163.39	27.10	602.97	100.00
West Hararghe	10.67	32.73	8.64	26.50	-	-	-	-	6.38	19.57	6.91	21.20	32.60	100.00
East Hararghe	52.74	33.92	23.76	15.28	1.36	.87	-	-	9.40	6.05	68.23	43.88	155.49	100.00
Bale	56.01	42.06	20.26	15.21	-	-	-	-	19.23	14.44	37.66	28.28	133.16	100.00
Borena	8.34	35.46	1.23	5.23	-	-	-	-	-	-	13.95	59.31	23.52	100.00

TABLE 7.1.1 DISTRIBUTION OF HHS WHO REPORTED THE TIMELINESS AND AVAILABILITY OF FERTILIZER AND CREDIT FACILITY BY REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

(Cont.)
National

(IN '000)

REGION/ ZONE	AVAILABILITY OF													
	FERTILIZER								CREDIT FACILITY					
	TIMELY		NOT ON TIME		NOT STATED		TOTAL		TIMELY		NOT ON TIME		TOTAL	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
Somale	.76	8.02	1.72	18.14	.02	.21	-	-	.35	3.69	6.63	69.94	9.48	100.00
Shinele	.15	31.25	.02	4.17	.02	4.17	-	-	.04	8.33	.25	52.08	.48	100.00
Jijiga	.61	7.41	1.70	20.66	-	-	-	-	.31	3.77	5.61	68.17	8.23	100.00
Moyale	-	-	-	-	-	-	-	-	-	-	.77	100.00	.77	100.00
Benshangul-Gumuz	2.92	31.33	2.04	21.89	.44	4.72	-	-	.26	2.79	3.66	39.27	9.32	100.00
Metekel	2.21	46.23	1.67	34.94	.35	7.32	-	-	.06	1.26	.49	10.25	4.78	100.00
Assosa	.67	17.82	.37	9.84	.09	2.39	-	-	.17	4.52	2.46	65.43	3.76	100.00
Kemeshi	.04	5.13	-	-	-	-	-	-	.03	3.85	.71	91.03	.78	100.00
SNNPR	558.45	42.43	174.73	13.27	2.85	.22	-	-	260.85	19.82	319.42	24.27	1,316.30	100.00
Gurage	135.78	41.88	25.47	7.86	-	-	-	-	83.93	25.89	79.01	24.37	324.19	100.00
Hadiya	109.17	34.64	52.06	16.52	1.43	.45	-	-	69.43	22.03	83.06	26.36	315.15	100.00
Kembata Alaba T	92.16	44.99	21.39	10.44	-	-	-	-	48.53	23.69	42.78	20.88	204.86	100.00
Sidama	79.59	45.63	50.73	29.08	1.07	.61	-	-	5.48	3.14	37.55	21.53	174.42	100.00
Gedio	5.28	42.89	.82	6.66	-	-	-	-	3.38	27.46	2.83	22.99	12.31	100.00
North Omo	122.08	51.37	19.89	8.37	-	-	-	-	40.45	17.02	55.21	23.23	237.63	100.00
South Omo	.50	7.85	.11	1.73	-	-	-	-	.61	9.58	5.15	80.85	6.37	100.00
Keficho-Shekich	3.02	22.93	.89	6.76	.33	2.51	-	-	1.23	9.34	7.70	58.47	13.17	100.00
Bench-Maji	2.31	47.73	.11	2.27	-	-	-	-	1.98	40.91	.44	9.09	4.84	100.00
Yem Special	6.85	35.35	3.00	15.48	-	-	-	-	5.08	26.21	4.45	22.96	19.38	100.00
Amaro Special	.56	38.62	.17	11.72	-	-	-	-	.46	31.72	.26	17.93	1.45	100.00
Burji Special	.75	44.91	.07	4.19	-	-	-	-	.29	17.37	.56	33.53	1.67	100.00
Konso Special	.40	50.00	-	-	-	-	-	-	-	-	.40	50.00	.80	100.00
Derashe Special	-	-	.02	33.33	.02	33.33	-	-	-	-	.02	33.33	.06	100.00
Gambela	1.39	64.95	.13	6.07	-	-	-	-	.04	1.87	.58	27.10	2.14	100.00
Harari	3.71	36.52	1.97	19.39	.06	.59	-	-	.43	4.23	3.99	39.27	10.16	100.00
Addis Ababa	3.41	43.94	.45	5.80	.04	.52	-	-	2.75	35.44	1.11	14.30	7.76	100.00
Dire Dawa	.45	31.91	.21	14.89	.06	4.26	-	-	.11	7.80	.58	41.13	1.41	100.00
NATIONAL	2,214.28	38.17	869.51	14.99	16.89	.29	-	-	1,277.70	22.03	1,422.40	24.52	5,800.78	100.00

Section 8. Distribution of Households' Opinion on the Interest Rate for the Loan Obtained for the Purchase of Fertilizer

In the previous section, it was indicated that about 3.49 thousand households obtained loan from different sources for the purchase of fertilizer. In the survey an attempt has been made to collect information on the opinion of households on the magnitude of the interest paid for the loan obtained so as to evaluate how far the interest rate paid for credit agents is discouraging /encouraging private farmers to take loan for the purchase of farm inputs to improve productivity. The survey result indicates that a total of 2,147.55 thousand households gave their opinion on the magnitude of interest rate paid to credit agents.

From these 1,169.67 (54.56%) thousand households reported, that the interest rate was fair. While about 756.99 thousand households (35.25%), and 220.89 thousand households (10.29 %) reported the interest rate was high and very high, respectively (For details see Summary Table H and survey results at country, regional and zonal levels)..

Summary Table H. Distribution of Households' Opinion on the Interest Rate Paid for the Loan Obtained for the Purchase of Fertilizer

Type of opinions reported	Households	
	Number in '000	%
Fair (Reasonable)	1,169.67	54.46
High	756.99	35.25
Very high	220.89	10.29
Total	2,147.55	100.00

TABLE 8.1 DISTRIBUTION OF HOUSEHOLDS' BY OPINION ON THE INTEREST RATES PAID FOR THE LOAN TAKEN FOR PURCHASE OF COMMERCIAL FERTILIZER AND RATES BY REGION
FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

National

(IN '000)

REGION	HOUSEHOLDS OPINION ON INTEREST RATES PAID									
	FAIR(REASONABLE)		HIGH		VERY HIGH		NO OPINION		TOTAL	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
Tigray	117.70	10.06	18.11	2.39	5.05	2.29	31.73	5.57	172.59	6.35
Afar	.18	.02	-	-	-	-	4.68	.82	4.86	.18
Amhara	288.80	24.69	179.51	23.71	35.61	16.12	101.69	17.86	605.61	22.29
Oromia	502.36	42.95	391.62	51.73	144.63	65.48	290.27	50.97	1,328.88	48.91
Somale	.31	.03	.02	-	-	-	6.65	1.17	6.98	.26
Benshangul-Gumuz	.31	.03	.12	.02	.18	.08	3.31	.58	3.92	.14
SNNPR	258.20	22.07	165.39	21.85	34.72	15.72	126.23	22.17	584.54	21.51
Gambela	.06	.01	-	-	-	-	.57	.10	.63	.02
Harari	.71	.06	.23	.03	.12	.05	3.35	.59	4.41	.16
Addis Ababa	.98	.08	1.94	.26	.58	.26	.38	.07	3.88	.14
Dire Dawa	.06	.01	.05	.01	-	-	.58	.10	.69	.03
N A T I O N A L	1,169.67	100.00	756.99	100.00	220.89	100.00	569.44	100.00	2,716.99	100.00

TABLE 8.2 DISTRIBUTION OF HHS' BY OPINION ON THE INTEREST RATES PAID FOR THE LOAN TAKEN FOR PURCHASE OF COMMERCIAL FERTILIZER AND RATES BY REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Regional and Zonal

(IN '000)

REGION/ ZONE	HHS OPINION ON INTEREST RATES PAID									
	FAIR(REASONABLE)		HIGH		VERY HIGH		NO OPINION		TOTAL	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
Tigray	117.71	4.33	18.10	.67	5.06	.19	31.72	1.17	172.59	6.35
West Tigray	32.22	1.19	2.95	.11	1.06	.04	8.55	.31	44.78	1.65
Central Tigray	31.09	1.14	8.35	.31	2.69	.10	13.83	.51	55.96	2.06
East Tigray	14.18	.52	3.21	.12	.51	.02	6.64	.24	24.54	.90
South Tigray	40.22	1.48	3.59	.13	.80	.03	2.70	.10	47.31	1.74
Afar	.18	.01	-	-	-	-	4.68	.17	4.86	.18
Zone 1	-	-	-	-	-	-	-	-	-	-
Zone 3	.18	.01	-	-	-	-	4.68	.17	4.86	.18
Zone 5	-	-	-	-	-	-	-	-	-	-
Amhara	288.80	10.63	179.51	6.61	35.61	1.31	101.68	3.74	605.60	22.29
North Gondar	25.88	.95	22.74	.84	3.49	.13	6.81	.25	58.92	2.17
South Gondar	20.96	.77	27.00	.99	6.12	.23	9.95	.37	64.03	2.36
North Wollo	16.04	.59	8.95	.33	-	-	2.20	.08	27.19	1.00
South Wollo	10.05	.37	3.95	.15	-	-	10.96	.40	24.96	.92
North Shoa	32.03	1.18	8.44	.31	1.62	.06	14.43	.53	56.52	2.08
East Gojam	85.65	3.15	36.46	1.34	8.05	.30	20.56	.76	150.72	5.55
West Gojam	78.99	2.91	61.60	2.27	14.11	.52	28.26	1.04	182.96	6.73
Waghamera	.24	.01	.36	.01	-	-	.09	-	.69	.03
Agewawi	17.57	.65	9.88	.36	2.22	.08	8.42	.31	38.09	1.40
Oromia Zone	1.39	.05	.13	-	-	-	-	-	1.52	.06
Oromia	502.37	18.49	391.62	14.41	144.65	5.32	290.28	10.68	1,328.92	48.91
West Wellega	25.99	.96	26.32	.97	2.39	.09	22.61	.83	77.31	2.85
East Wellega	66.38	2.44	19.72	.73	18.29	.67	6.82	.25	111.21	4.09
Illubabor	21.81	.80	19.25	.71	5.95	.22	13.60	.50	60.61	2.23
Jimma	62.66	2.31	56.88	2.09	10.60	.39	23.94	.88	154.08	5.67
West Shoa	87.83	3.23	112.48	4.14	50.00	1.84	33.90	1.25	284.21	10.46
North Shoa	12.45	.46	21.39	.79	4.25	.16	14.90	.55	52.99	1.95
East Shoa	46.17	1.70	41.65	1.53	24.23	.89	21.61	.80	133.66	4.92
Arsi	144.24	5.31	75.07	2.76	21.37	.79	52.12	1.92	292.80	10.78
West Hararghe	5.58	.21	2.24	.08	1.28	.05	4.48	.16	13.58	.50
East Hararghe	18.41	.68	2.97	.11	2.23	.08	54.01	1.99	77.62	2.86
Bale	10.44	.38	13.24	.49	4.06	.15	29.16	1.07	56.90	2.09
Borena	.41	.02	.41	.02	-	-	13.13	.48	13.95	.51

TABLE 8.2 DISTRIBUTION OF HHS' BY OPINION ON THE INTEREST RATES PAID FOR THE LOAN TAKEN FOR PURCHASE OF COMMERCIAL FERTILIZER AND RATES BY REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Regional and Zonal (cont.)

(IN '000)

REGION/ ZONE	HHS OPINION ON INTEREST RATES PAID									
	FAIR(REASONABLE)		HIGH		VERY HIGH		NO OPINION		TOTAL	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
Somale	.31	.01	.02	-	-	-	6.65	.24	6.98	.26
Shinele	-	-	.02	-	-	-	.27	.01	.29	.01
Jijiga	.31	.01	-	-	-	-	5.61	.21	5.92	.22
Moyale	-	-	-	-	-	-	.77	.03	.77	.03
Benshangul-Gumuz	.31	.01	.12	-	.18	.01	3.31	.12	3.92	.14
Metekel	.06	-	-	-	.18	.01	.31	.01	.55	.02
Assosa	.25	.01	.09	-	-	-	2.29	.08	2.63	.10
Kemeshi	-	-	.03	-	-	-	.71	.03	.74	.03
SNNPR	258.20	9.50	165.40	6.09	34.71	1.28	126.23	4.65	584.54	21.51
Gurage	80.51	2.96	57.53	2.12	1.79	.07	26.05	.96	165.88	6.11
Hadiya	51.77	1.91	60.89	2.24	18.07	.67	22.24	.82	152.97	5.63
Kembata Alaba T	40.62	1.50	27.46	1.01	10.25	.38	13.65	.50	91.98	3.39
Sidama	6.96	.26	1.54	.06	1.41	.05	33.13	1.22	43.04	1.58
Gedio	3.29	.12	1.72	.06	-	-	1.20	.04	6.21	.23
North Omo	67.25	2.48	10.63	.39	1.30	.05	16.47	.61	95.65	3.52
South Omo	.11	-	.26	.01	.11	-	5.28	.19	5.76	.21
Keficho-Shekich	1.74	.06	.85	.03	.51	.02	5.83	.21	8.93	.33
Bench-Maji	2.14	.08	-	-	.15	.01	.12	-	2.41	.09
Yem Special	2.55	.09	4.09	.15	1.12	.04	1.79	.07	9.55	.35
Amaro Special	.46	.02	.08	-	-	-	.18	.01	.72	.03
Burji Special	.37	.01	.27	.01	-	-	.22	.01	.86	.03
Konso Special	.41	.02	.08	-	-	-	.07	-	.56	.02
Derashe Special	.02	-	-	-	-	-	-	-	.02	-
Gambela	.06	-	-	-	-	-	.57	.02	.63	.02
Harari	.71	.03	.23	.01	.12	-	3.35	.12	4.41	.16
Addis Ababa	.98	.04	1.94	.07	.58	.02	.38	.01	3.88	.14
Dire Dawa	.06	-	.05	-	-	-	.58	.02	.69	.03
NATIONAL	1,169.69	43.05	756.99	27.86	220.91	8.13	569.43	20.96	2,717.02	100.00

Section 9. Distribution of Households on Their Reason for not Paying Loans 1996/97 (1989 E.C.)

An attempt has also been made to collect information on the number of households who obtained credit for the purchase of fertilizer for 1996/97 (1989 E.C) crop year, but due to various reasons households failed to repay the loans taken on time. The survey result showed that 1,655.63 thousand households who took loan for the purchase of fertilizer failed to repay the loan taken on time due to various reasons. Out of these, 538.53 thousand households (32.53%) which is relatively high, failed to repay the loan due to crop failure, about 140.54 thousand households (8.49 %) failed to repay the loan taken because the applied fertilizer didn't give yield as expected, and 267.48 thousand households (16.16 %) failed to repay the loan mainly because they spent the money for basic household expenditures such as clothing, tax ... etc. While about 461.70 thousand (27.89 %) didn't pay back their loan because they consumed all produced crops and the remaining 247.38 thousand households (14.94 %) used the money for other purposes, for details see Table 9.1 and survey results at country, regional and zonal levels.

TABLE 9.1 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

National

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	538.53	32.53
The applied fertilizer didn't give production as expected	140.54	8.49
Spend the money for basic expenditure	267.48	16.16
All production consumed	461.70	27.89
Others	247.38	14.94
T O T A L	1,655.63	100.00

TABLE 9.2 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Tigray

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	39.48	41.80
The applied fertilizer didn't give production as expected	10.66	11.29
Spend the money for basic expenditure	18.71	19.81
All production consumed	21.00	22.23
Others	4.60	4.87
T O T A L	94.45	100.00

TABLE 9.2.1 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

West Tigray Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	5.57	24.82
The applied fertilizer didn't give production as expected	2.60	11.59
Spend the money for basic expenditure	4.06	18.09
All production consumed	7.36	32.80
Others	2.85	12.70
T O T A L	22.44	100.00

TABLE 9.2.2 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Central Tigray Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	16.91	61.45
The applied fertilizer didn't give production as expected	2.40	8.72
Spend the money for basic expenditure	4.98	18.10
All production consumed	2.60	9.45
Others	.63	2.29
T O T A L	27.52	100.00

TABLE 9.2.3 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

East Tigray Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	3.80	26.48
The applied fertilizer didn't give production as expected	2.38	16.59
Spend the money for basic expenditure	3.48	24.25
All production consumed	3.75	26.13
Others	.94	6.55
T O T A L	14.35	100.00

TABLE 9.2.4 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

South Tigray Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	13.20	43.81
The applied fertilizer didn't give production as expected	3.27	10.85
Spend the money for basic expenditure	6.19	20.54
All production consumed	7.29	24.20
Others	.18	.60
T O T A L	30.13	100.00

TABLE 9.3 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Afar

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	.08	44.44
The applied fertilizer didn't give production as expected	-	-
Spend the money for basic expenditure	-	-
All production consumed	.10	55.56
Others	-	-
T O T A L	.18	100.00

TABLE 9.3.1 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Zone 3

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	.08	44.44
The applied fertilizer didn't give production as expected	-	-
Spend the money for basic expenditure	-	-
All production consumed	.10	55.56
Others	-	-
T O T A L	.18	100.00

TABLE 9.4 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Amhara

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	111.94	29.69
The applied fertilizer didn't give production as expected	39.29	10.42
Spend the money for basic expenditure	46.63	12.37
All production consumed	109.37	29.01
Others	69.75	18.50
T O T A L	376.98	100.00

TABLE 9.4.1 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

North Gonder Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	12.31	26.97
The applied fertilizer didn't give production as expected	6.68	14.63
Spend the money for basic expenditure	5.37	11.76
All production consumed	14.53	31.83
Others	6.76	14.81
T O T A L	45.65	100.00

TABLE 9.4.2 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

South Gonder Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	28.81	65.46
The applied fertilizer didn't give production as expected	2.32	5.27
Spend the money for basic expenditure	3.49	7.93
All production consumed	5.10	11.59
Others	4.29	9.75
T O T A L	44.01	100.00

TABLE 9.4.3 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

North Wolo Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	9.74	45.75
The applied fertilizer didn't give production as expected	2.61	12.26
Spend the money for basic expenditure	3.00	14.09
All production consumed	3.80	17.85
Others	2.14	10.05
T O T A L	21.29	100.00

TABLE 9.4.4 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

South Wolo Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	4.24	53.27
The applied fertilizer didn't give production as expected	.66	8.29
Spend the money for basic expenditure	1.23	15.45
All production consumed	1.83	22.99
Others	-	-
T O T A L	7.96	100.00

TABLE 9.4.5 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

North Shewa Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	7.05	31.35
The applied fertilizer didn't give production as expected	2.43	10.80
Spend the money for basic expenditure	1.36	6.05
All production consumed	10.00	44.46
Others	1.65	7.34
T O T A L	22.49	100.00

TABLE 9.4.6 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

East Gojam Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	18.69	19.64
The applied fertilizer didn't give production as expected	7.49	7.87
Spend the money for basic expenditure	8.63	9.07
All production consumed	29.99	31.52
Others	30.34	31.89
T O T A L	95.14	100.00

TABLE 9.4.7 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

West Gojam Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	27.75	23.70
The applied fertilizer didn't give production as expected	16.03	13.69
Spend the money for basic expenditure	21.77	18.59
All production consumed	34.21	29.22
Others	17.33	14.80
T O T A L	117.09	100.00

TABLE 9.4.8 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Waghamera Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	.48	68.57
The applied fertilizer didn't give production as expected	-	-
Spend the money for basic expenditure	-	-
All production consumed	.22	31.43
Others	-	-
T O T A L	.70	100.00

TABLE 9.4.9 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Agewawia Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	2.73	12.40
The applied fertilizer didn't give production as expected	1.07	4.86
Spend the money for basic expenditure	1.76	8.00
All production consumed	9.34	42.44
Others	7.11	32.30
T O T A L	22.01	100.00

TABLE 9.4.10 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Oromia Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	.13	22.81
The applied fertilizer didn't give production as expected	-	-
Spend the money for basic expenditure	-	-
All production consumed	.33	57.89
Others	.11	19.30
T O T A L	.57	100.00

TABLE 9.5 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Oromia

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	252.46	30.86
The applied fertilizer didn't give production as expected	59.29	7.25
Spend the money for basic expenditure	131.65	16.09
All production consumed	235.19	28.75
Others	139.44	17.05
T O T A L	818.03	100.00

TABLE 9.5.1 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

West Welega Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	6.52	16.39
The applied fertilizer didn't give production as expected	1.85	4.65
Spend the money for basic expenditure	8.16	20.52
All production consumed	18.95	47.65
Others	4.29	10.79
T O T A L	39.77	100.00

TABLE 9.5.2 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

East Welega Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	12.52	14.64
The applied fertilizer didn't give production as expected	5.91	6.91
Spend the money for basic expenditure	23.30	27.25
All production consumed	29.38	34.36
Others	14.40	16.84
T O T A L	85.51	100.00

TABLE 9.5.3 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Illibabor Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	11.40	29.12
The applied fertilizer didn't give production as expected	5.98	15.27
Spend the money for basic expenditure	3.04	7.77
All production consumed	14.49	37.01
Others	4.24	10.83
T O T A L	39.15	100.00

TABLE 9.5.4 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Jimma Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	16.65	15.74
The applied fertilizer didn't give production as expected	7.13	6.74
Spend the money for basic expenditure	11.85	11.20
All production consumed	22.52	21.29
Others	47.64	45.03
T O T A L	105.79	100.00

TABLE 9.5.5 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

West Shewa Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	77.45	37.39
The applied fertilizer didn't give production as expected	13.47	6.50
Spend the money for basic expenditure	33.55	16.20
All production consumed	40.27	19.44
Others	42.40	20.47
T O T A L	207.14	100.00

TABLE 9.5.6 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

North Shewa Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	17.73	49.89
The applied fertilizer didn't give production as expected	1.35	3.80
Spend the money for basic expenditure	2.61	7.34
All production consumed	11.08	31.18
Others	2.77	7.79
T O T A L	35.54	100.00

TABLE 9.5.7 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

East Shewa Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	48.53	52.21
The applied fertilizer didn't give production as expected	6.91	7.43
Spend the money for basic expenditure	12.36	13.30
All production consumed	18.85	20.28
Others	6.31	6.79
T O T A L	92.96	100.00

TABLE 9.5.8 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Arsi Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	41.00	25.21
The applied fertilizer didn't give production as expected	11.84	7.28
Spend the money for basic expenditure	28.62	17.60
All production consumed	69.74	42.88
Others	11.45	7.04
T O T A L	162.65	100.00

TABLE 9.5.9 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

West Harerge Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	1.76	25.77
The applied fertilizer didn't give production as expected	.70	10.25
Spend the money for basic expenditure	2.53	37.04
All production consumed	1.51	22.11
Others	.33	4.83
T O T A L	6.83	100.00

TABLE 9.5.10 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

East Harerge Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	8.35	40.34
The applied fertilizer didn't give production as expected	3.20	15.46
Spend the money for basic expenditure	2.00	9.66
All production consumed	3.88	18.74
Others	3.27	15.80
T O T A L	20.70	100.00

TABLE 9.5.11 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Bale Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	10.55	49.86
The applied fertilizer didn't give production as expected	.54	2.55
Spend the money for basic expenditure	3.62	17.11
All production consumed	4.10	19.38
Others	2.35	11.11
T O T A L	21.16	100.00

TABLE 9.5.12 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Borena Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	-	-
The applied fertilizer didn't give production as expected	.41	50.00
Spend the money for basic expenditure	-	-
All production consumed	.41	50.00
Others	-	-
T O T A L	.82	100.00

TABLE 9.6 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Somale

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	.04	80.00
The applied fertilizer didn't give production as expected	-	-
Spend the money for basic expenditure	-	-
All production consumed	.01	20.00
Others	-	-
T O T A L	.05	100.00

TABLE 9.6.1 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Shinele Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	.04	80.00
The applied fertilizer didn't give production as expected	-	-
Spend the money for basic expenditure	-	-
All production consumed	.01	20.00
Others	-	-
T O T A L	.05	100.00

TABLE 9.7 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Benshangul-Gumuz

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	.34	64.15
The applied fertilizer didn't give production as expected	.03	5.66
Spend the money for basic expenditure	.09	16.98
All production consumed	-	-
Others	.07	13.21
T O T A L	.53	100.00

TABLE 9.7.1 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Metekel Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	.18	100.00
The applied fertilizer didn't give production as expected	-	-
Spend the money for basic expenditure	-	-
All production consumed	-	-
Others	-	-
T O T A L	.18	100.00

TABLE 9.7.2 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Asosa Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	.17	51.52
The applied fertilizer didn't give production as expected	-	-
Spend the money for basic expenditure	.09	27.27
All production consumed	-	-
Others	.07	21.21
T O T A L	.33	100.00

TABLE 9.7.3 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

.Kemeshi Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	-	-
The applied fertilizer didn't give production as expected	.03	100.00
Spend the money for basic expenditure	-	-
All production consumed	-	-
Others	-	-
T O T A L	.03	100.00

TABLE 9.8 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

(S.N.N.P.R)

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	132.31	36.62
The applied fertilizer didn't give production as expected	30.90	8.55
Spend the money for basic expenditure	69.97	19.37
All production consumed	94.78	26.23
Others	33.35	9.23
T O T A L	361.31	100.00

TABLE 9.8.1 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Gurage Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	58.59	50.08
The applied fertilizer didn't give production as expected	6.64	5.68
Spend the money for basic expenditure	15.59	13.33
All production consumed	29.75	25.43
Others	6.42	5.49
T O T A L	116.99	100.00

TABLE 9.8.2 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Hadiya Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	33.60	30.13
The applied fertilizer didn't give production as expected	12.38	11.10
Spend the money for basic expenditure	31.09	27.88
All production consumed	27.77	24.90
Others	6.67	5.98
T O T A L	111.51	100.00

TABLE 9.8.3 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Kembata Alaba Tembaro Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	24.95	45.36
The applied fertilizer didn't give production as expected	4.74	8.62
Spend the money for basic expenditure	11.94	21.71
All production consumed	11.95	21.72
Others	1.43	2.60
T O T A L	55.01	100.00

TABLE 9.8.4 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Sidama Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	1.17	11.94
The applied fertilizer didn't give production as expected	.53	5.41
Spend the money for basic expenditure	2.26	23.06
All production consumed	5.21	53.16
Others	.63	6.43
T O T A L	9.80	100.00

TABLE 9.8.5 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Gedio Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	.49	17.38
The applied fertilizer didn't give production as expected	.46	16.31
Spend the money for basic expenditure	1.58	56.03
All production consumed	.15	5.32
Others	.14	4.96
T O T A L	2.82	100.00

TABLE 9.8.6 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

North Omo Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	10.18	19.43
The applied fertilizer didn't give production as expected	3.91	7.46
Spend the money for basic expenditure	6.00	11.45
All production consumed	16.68	31.83
Others	15.63	29.83
T O T A L	52.40	100.00

TABLE 9.8.7 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

South Omo Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	.37	60.66
The applied fertilizer didn't give production as expected	-	-
Spend the money for basic expenditure	.13	21.31
All production consumed	.11	18.03
Others	-	-
T O T A L	.61	100.00

TABLE 9.8.8 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Keficho-Shekicho Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	1.25	48.08
The applied fertilizer didn't give production as expected	.15	5.77
Spend the money for basic expenditure	.57	21.92
All production consumed	.63	24.23
Others	-	-
T O T A L	2.60	100.00

TABLE 9.8.9 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Bench-Maji Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	.20	16.81
The applied fertilizer didn't give production as expected	.25	21.01
Spend the money for basic expenditure	.10	8.40
All production consumed	.36	30.25
Others	.28	23.53
T O T A L	1.19	100.00

TABLE 9.8.10 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Yem Special Wereda Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	1.04	14.59
The applied fertilizer didn't give production as expected	1.42	19.92
Spend the money for basic expenditure	.58	8.13
All production consumed	2.12	29.73
Others	1.97	27.63
T O T A L	7.13	100.00

TABLE 9.8.11 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Amaro Special Wereda Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	.18	35.29
The applied fertilizer didn't give production as expected	.23	45.10
Spend the money for basic expenditure	-	-
All production consumed	-	-
Others	.10	19.61
T O T A L	.51	100.00

TABLE 9.8.12 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Burji Special Wereda Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	.20	39.22
The applied fertilizer didn't give production as expected	.19	37.25
Spend the money for basic expenditure	.06	11.76
All production consumed	.04	7.84
Others	.02	3.92
T O T A L	.51	100.00

TABLE 9.8.13 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Konso Special Wereda Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	.07	33.33
The applied fertilizer didn't give production as expected	-	-
Spend the money for basic expenditure	.07	33.33
All production consumed	-	-
Others	.07	33.33
T O T A L	.21	100.00

TABLE 9.8.14 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Derashe Special Wereda Zone

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	.02	100.00
The applied fertilizer didn't give production as expected	-	-
Spend the money for basic expenditure	-	-
All production consumed	-	-
Others	-	-
T O T A L	.02	100.00

TABLE 9.9 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Gambela

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	-	-
The applied fertilizer didn't give production as expected	-	-
Spend the money for basic expenditure	-	-
All production consumed	.26	100.00
Others	-	-
T O T A L	.26	100.00

TABLE 9.10 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Harari

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	.31	42.47
The applied fertilizer didn't give production as expected	.09	12.33
Spend the money for basic expenditure	.08	10.96
All production consumed	.21	28.77
Others	.04	5.48
T O T A L	.73	100.00

TABLE 9.11 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Addis Ababa

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	1.56	51.15
The applied fertilizer didn't give production as expected	.29	9.51
Spend the money for basic expenditure	.35	11.48
All production consumed	.72	23.61
Others	.13	4.26
T O T A L	3.05	100.00

TABLE 9.12 DISTRIBUTION OF HHS' WITH PROBLEM FOR NOT PAYING LOANS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Dire Dawa

REASON FOR NOT PAYING LOANS	NUMBER OF HHS IN '000	%
Due to crop failure	-	-
The applied fertilizer didn't give production as expected	-	-
Spend the money for basic expenditure	.02	22.22
All production consumed	.07	77.78
Others	-	-
T O T A L	.09	100.00

Section 10. Distribution of Households Who Took Loan from Grain Traders for the Purchase of Fertilizer by Type of Repayment Arrangements

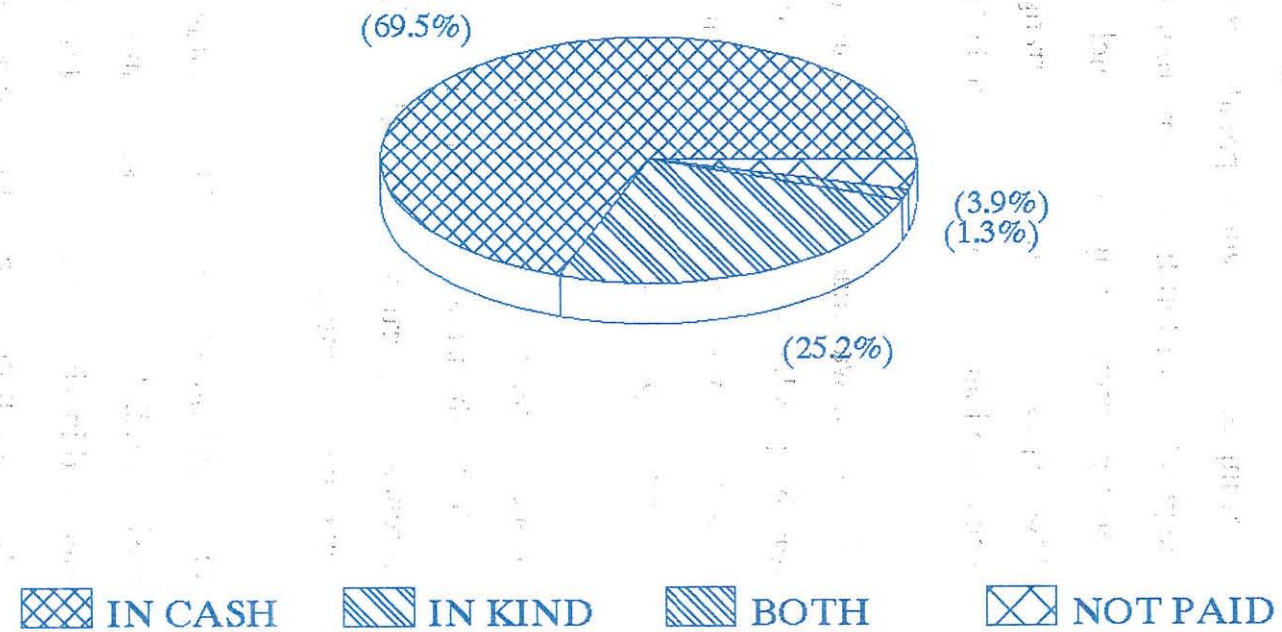
Like any other developing countries, where credit facilities for the purchase of farm inputs are not wide spread, it is common for the farmers to get credit for the purchase of fertilizers from grain traders by making agreements on different loan repayment arrangements, which holds true in Ethiopia too. Thus, there are three types of loan repayment arrangements which are common in Ethiopia. These are loan repayment in cash, in kind, and in combination of both.

An attempt was made to investigate the number of households who took loan for the purchase of fertilizer in 1996/97 (1989 E.C) crop year from grain traders by types of loan repayment arrangements, so as to know the most preferred types of loan repayment arrangement, in Ethiopia.

Based on the above investigation, the results of the survey indicated that a total of 60.03 thousand households have obtained credit from grain traders for the purchase of fertilizer by making agreements on the three types of loan repayment arrangements.

Out of the 60.03 thousand households, 69.53 % of them have repaid the loan "in cash", 25.22 % repaid "in kind" and about 1.35 % paid back the loans both "in cash and in kind". However, 2.34 thousand households (3.90 %) failed to repay their loan in any one of the above mentioned loan repayment arrangements.

FIG 4. DISTRIBUTION OF HOUSEHOLDS WHO OBTAINED FERTILIZER LOAN FROM GRAIN TRADERS BY TYPE OF REPAYMENT ARRANGEMENTS FOR PRIVATE HOLDINGS, NATIONAL, 1996/97 (1989 E.C)



(For details see Summary Table I and survey results at country, regional and zonal levels).

Summary Table I. Distribution of Households Obtained Fertilizer Loans from Grain Traders by Type of Repayment Arrangements,

Type of Repayment Arrangements	Households reporting	
	Number in '000	%
In cash	41.74	69.53
In kind	15.14	25.22
In Mix (In cash & In kind)	0.81	1.35
Not paid	2.34	3.90
Total	60.03	100.00

TABLE 10.1 DISTRIBUTION HOUSEHOLDS WHO OBTAINED FERTILIZER LOAN FROM GRAIN TRADERS
BY TYPE OF REPAYMENT ARRANGEMENTS AND REGION
FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

National (IN '000)

REGION	REPAYMENT ARRANGEMENTS									
	IN CASH		IN KIND		BOTH		NOT PAID		TOTAL	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
Tigray	2.69	6.44	.16	1.06	.24	29.63	.26	11.11	3.35	5.58
Afar	.10	.24	-	-	-	-	-	-	.10	.17
Amhara	15.78	37.81	3.81	25.17	-	-	-	-	19.59	32.63
Oromia	13.14	31.48	9.07	59.91	.57	70.37	1.84	78.63	24.62	41.01
Somale	-	-	-	-	-	-	-	-	-	-
Benshangul-Gumuz	.12	.29	-	-	-	-	-	-	.12	.20
SNNPR	9.84	23.57	2.09	13.80	-	-	.24	10.26	12.17	20.27
Gambela	-	-	-	-	-	-	-	-	-	-
Harari	.02	.05	-	-	-	-	-	-	.02	.03
Addis Ababa	.02	.05	.01	.07	-	-	-	-	.03	.05
Dire Dawa	.03	.07	-	-	-	-	-	-	.03	.05
NATIONAL	41.74	100.00	15.14	100.00	.81	100.00	2.34	100.00	60.03	100.00

TABLE 10.2 DISTRIBUTION HOUSEHOLDS WHO OBTAINED FERTILIZER LOAN FROM GRAIN TRADERS
BY TYPE OF REPAYMENT ARRANGEMENTS AND REGION
FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Regional and Zonal (IN '000)

REGION/ ZONE	REPAYMENT ARRANGEMENTS									
	IN CASH		IN KIND		BOTH		NOT PAID		TOTAL	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
Tigray	2.68	4.46	.16	.27	.24	.40	.26	.43	3.34	5.56
West Tigray	.77	1.28	-	-	-	-	-	-	.77	1.28
Central Tigray	.31	.52	-	-	-	-	.26	.43	.57	.95
East Tigray	1.08	1.80	.16	.27	-	-	-	-	1.24	2.07
South Tigray	.52	.87	-	-	.24	.40	-	-	.76	1.27
Afar	.10	.17	-	-	-	-	-	-	.10	.17
Zone 1	-	-	-	-	-	-	-	-	-	-
Zone 3	.10	.17	-	-	-	-	-	-	.10	.17
Zone 5	-	-	-	-	-	-	-	-	-	-
Amhara	15.78	26.29	3.81	6.35	-	-	-	-	19.59	32.63
North Gondar	1.95	3.25	-	-	-	-	-	-	1.95	3.25
South Gondar	.97	1.62	.50	.83	-	-	-	-	1.47	2.45
North Wollo	-	-	-	-	-	-	-	-	-	-
South Wollo	.69	1.15	-	-	-	-	-	-	.69	1.15
North Shoa	5.86	9.76	.39	.65	-	-	-	-	6.25	10.41
East Gojam	2.50	4.16	-	-	-	-	-	-	2.50	4.16
West Gojam	3.39	5.65	2.39	3.98	-	-	-	-	5.78	9.63
Waghamera	-	-	-	-	-	-	-	-	-	-
Agewawi	.42	.70	.53	.88	-	-	-	-	.95	1.58
Oromia Zone	-	-	-	-	-	-	-	-	-	-
Oromia	13.15	21.91	9.07	15.11	.57	.95	1.84	3.07	24.63	41.03
West Wellega	.43	.72	.35	.58	-	-	-	-	.78	1.30
East Wellega	1.18	1.97	1.54	2.57	-	-	-	-	2.72	4.53
Illubabor	.49	.82	.64	1.07	-	-	-	-	1.13	1.88
Jimma	3.82	6.36	1.07	1.78	-	-	1.84	3.07	6.73	11.21
West Shoa	.69	1.15	2.73	4.55	.57	.95	-	-	3.99	6.65
North Shoa	.31	.52	-	-	-	-	-	-	.31	.52
East Shoa	1.70	2.83	-	-	-	-	-	-	1.70	2.83
Arsi	2.65	4.41	2.74	4.56	-	-	-	-	5.39	8.98
West Hararghe	.37	.62	-	-	-	-	-	-	.37	.62
East Hararghe	1.22	2.03	-	-	-	-	-	-	1.22	2.03
Bale	.29	.48	-	-	-	-	-	-	.29	.48
Borena	-	-	-	-	-	-	-	-	-	-

TABLE 10.2 DISTRIBUTION HOUSEHOLDS WHO OBTAINED FERTILIZER LOAN FROM GRAIN TRADERS BY TYPE OF REPAYMENT ARRANGEMENTS AND REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Regional and Zonal (cont.)

(IN '000)

REGION/ ZONE	REPAYMENT ARRANGEMENTS									
	IN CASH		IN KIND		BOTH		NOT PAID		TOTAL	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
Somàle	-	-	-	-	-	-	-	-	-	-
Shinele	-	-	-	-	-	-	-	-	-	-
Jijiga	-	-	-	-	-	-	-	-	-	-
Moyale	-	-	-	-	-	-	-	-	-	-
Benshangul-Gumuz	.12	.20	-	-	-	-	-	-	.12	.20
Metekel	.12	.20	-	-	-	-	-	-	.12	.20
Assosa	-	-	-	-	-	-	-	-	-	-
Kemeshi	-	-	-	-	-	-	-	-	-	-
SNNPR	9.84	16.39	2.09	3.48	-	-	.24	.40	12.17	20.27
Gurage	1.33	2.22	-	-	-	-	-	-	1.33	2.22
Hadiya	2.91	4.85	1.69	2.82	-	-	.24	.40	4.84	8.06
Kembata Alaba T	1.10	1.83	.40	.67	-	-	-	-	1.50	2.50
Sidama	.61	1.02	-	-	-	-	-	-	.61	1.02
Gedio	-	-	-	-	-	-	-	-	-	-
North Omo	3.81	6.35	-	-	-	-	-	-	3.81	6.35
South Omo	-	-	-	-	-	-	-	-	-	-
Keficho-Shekich	-	-	-	-	-	-	-	-	-	-
Bench-Maji	-	-	-	-	-	-	-	-	-	-
Yem Special	.08	.13	-	-	-	-	-	-	.08	.13
Amaro Special	-	-	-	-	-	-	-	-	-	-
Burji Special	-	-	-	-	-	-	-	-	-	-
Konso Special	-	-	-	-	-	-	-	-	-	-
Derashe Special	-	-	-	-	-	-	-	-	-	-
Gambela	-	-	-	-	-	-	-	-	-	-
Harari	.02	.03	-	-	-	-	-	-	.02	.03
Addis Ababa	.02	.03	.01	.02	-	-	-	-	.03	.05
Dire Dawa	.03	.05	-	-	-	-	-	-	.03	.05
NATIONAL	41.74	69.53	15.14	25.22	.81	1.35	2.34	3.90	60.03	100.00

Section 11. Distribution of Households Opinions on the Comparison of the Magnitude of Interest Rates Paid to Grain Traders and Banks in 1996/97 (1989 E.C.)

As it has been mentioned in Section 10 of this report, farmers used to obtain loan from grain traders for the purchase of fertilizer with fixed interest rate. However, since the interest rate is fixed by grain traders, it usually varied from one individual to another. This section is, therefore, examines the findings of the survey, on opinion of households on the magnitude of interest rate they paid for the loan taken from different individual grain traders in comparison with Bank rate.

Thus, according to the survey results, it was estimated that a total of 41.74 thousand household at country level took credit from individual grain traders for the purchase of fertilizer for the 1996/97 (1989 E.C) crop year, and repaid the loan including the interest rate the same year.

Out of the above mentioned total households, about 17.74 thousand households (42.50 %) have reported that the interest rates paid to grain traders were higher than that of the Bank rates. On the other hand, 5.44 thousand households (13.03 %) reported the interest rates were lower than the Bank rate. However, a total of 12.02 thousand (28.08 %) households reorted the loan was obtained free of interest rate and the remaing 6.54 thousand households (15.67 %) reported the interest rates were not different from the Bank rates (see Summary Table J).

Summary Table J. Distribution of Households' Opinion on the Interest Rate Made on Cash Payments to Grain Traders Compared with Bank rate,

Households' opinions	Households reporting	
	Number in '000	%
Lower than Bank rate	5.44	13.03
The same as Bank rate	6.54	15.67
Higher than Bank rate	17.74	42.50
Interest Free	12.02	28.80
Total	41.74	100.00

TABLE 11.1 DISTRIBUTION OF HOUSEHOLDS OPINION ON THE INTEREST RATE ON CASH PAYMENT TO GRAIN TRADERS COMPARED TO BANKS' RATE BY REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

National (IN'000)

REGION	REPORTED HOUSEHOLD OPINION									
	SAME		HIGHER		LOWER		INTEREST FREE		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%
Tigray	-	-	.24	1.35	.15	2.76	2.30	19.13	2.69	6.44
Afar	-	-	-	-	-	-	.10	.83	.10	.24
Amhara	4.54	69.42	4.12	23.22	3.12	57.35	4.00	33.28	15.78	37.81
Oromia	1.56	23.85	7.26	40.92	1.19	21.88	3.13	26.04	13.14	31.48
Somale	-	-	-	-	-	-	-	-	-	-
Benshangul-Gumuz	-	-	.12	.68	-	-	-	-	.12	.29
SNNPR	.42	6.42	6.00	33.82	.96	17.65	2.46	20.47	9.84	23.57
Gambela	-	-	-	-	-	-	-	-	-	-
Harari	-	-	-	-	.02	.37	-	-	.02	.05
Addis Ababa	.02	.31	-	-	-	-	-	-	.02	.05
Dire Dawa	-	-	-	-	-	-	.03	.25	.03	.07
NATIONAL	6.54	100.00	17.74	100.00	5.44	100.00	12.02	100.00	41.74	100.00

TABLE 11.2 DISTRIBUTION OF HHS OPINION ON THE INTEREST RATE ON CASH PAYMENT TO GRAIN TRADERS COMPARED TO BANKS' RATE BY REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Regional and Zonal

(IN'000)

REGION/ ZONE	REPORTED HOUSEHOLD OPINION									
	SAME		HIGHER		LOWER		INTEREST FREE		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%
Tigray	-	-	.24	.58	.15	.36	2.29	5.49	2.68	6.42
West Tigray	-	-	-	-	-	-	.77	1.85	.77	1.85
Central Tigray	-	-	-	-	-	-	.31	.74	.31	.74
East Tigray	-	-	-	-	.15	.36	.93	2.23	1.08	2.59
South Tigray	-	-	.24	.58	-	-	.28	.67	.52	1.25
Afar	-	-	-	-	-	-	.10	.24	.10	.24
Zone 1	-	-	-	-	-	-	-	-	-	-
Zone 3	-	-	-	-	-	-	.10	.24	.10	.24
Zone 5	-	-	-	-	-	-	-	-	-	-
Amhara	4.53	10.86	4.12	9.87	3.11	7.45	4.00	9.59	15.76	37.77
North Gondar	.93	2.23	-	-	.45	1.08	.57	1.37	1.95	4.67
South Gondar	.52	1.25	.45	1.08	-	-	-	-	.97	2.32
North Wollo	-	-	-	-	-	-	-	-	-	-
South Wollo	-	-	-	-	-	-	.69	1.65	.69	1.65
North Shoa	1.55	3.71	2.33	5.58	1.55	3.71	.42	1.01	5.85	14.02
East Gojam	1.08	2.59	-	-	-	-	1.42	3.40	2.50	5.99
West Gojam	.45	1.08	1.34	3.21	.69	1.65	.90	2.16	3.38	8.10
Waghamera	-	-	-	-	-	-	-	-	-	-
Agewawi	-	-	-	-	.42	1.01	-	-	.42	1.01
Oromia Zone	-	-	-	-	-	-	-	-	-	-
Oromia	1.56	3.74	7.26	17.40	1.20	2.88	3.14	7.52	13.16	31.54
West Wellega	-	-	-	-	-	-	.43	1.03	.43	1.03
East Wellega	-	-	.27	.65	.30	.72	.61	1.46	1.18	2.83
Illubabor	-	-	-	-	.49	1.17	-	-	.49	1.17
Jimma	.55	1.32	3.27	7.84	-	-	-	-	3.82	9.15
West Shoa	-	-	.69	1.65	-	-	-	-	.69	1.65
North Shoa	-	-	.31	.74	-	-	-	-	.31	.74
East Shoa	1.01	2.42	.34	.81	-	-	.35	.84	1.70	4.07
Arsi	-	-	2.09	5.01	-	-	.56	1.34	2.65	6.35
West Hararghe	-	-	-	-	-	-	.37	.89	.37	.89
East Hararghe	-	-	-	-	.41	.98	.82	1.97	1.23	2.95
Bale	-	-	.29	.69	-	-	-	-	.29	.69
Borena	-	-	-	-	-	-	-	-	-	-

TABLE 11.2 DISTRIBUTION OF HHS OPINION ON THE INTEREST RATE ON CASH PAYMENT TO GRAIN TRADERS COMPARED TO BANKS' RATE BY REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Regional and Zonal (cont.) (IN'000)

REGION/ ZONE	REPORTED HOUSEHOLD OPINION									
	SAME		HIGHER		LOWER		INTEREST FREE		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%
Somale	-	-	-	-	-	-	-	-	-	-
Shinele	-	-	-	-	-	-	-	-	-	-
Jijiga	-	-	-	-	-	-	-	-	-	-
Moyale	-	-	-	-	-	-	-	-	-	-
Benshangul-Gumuz	-	-	.12	.29	-	-	-	-	.12	.29
Metekel	-	-	.12	.29	-	-	-	-	.12	.29
Assosa	-	-	-	-	-	-	-	-	-	-
Kemeshi	-	-	-	-	-	-	-	-	-	-
SNNPR	.42	1.01	6.01	14.40	.95	2.28	2.46	5.90	9.84	23.58
Gurage	-	-	1.33	3.19	-	-	-	-	1.33	3.19
Hadiya	.21	.50	1.55	3.71	.73	1.75	.42	1.01	2.91	6.97
Kembata Alaba T	.21	.50	.46	1.10	.22	.53	.21	.50	1.10	2.64
Sidama	-	-	-	-	-	-	.61	1.46	.61	1.46
Gedio	-	-	-	-	-	-	-	-	-	-
North Omo	-	-	2.59	6.21	-	-	1.22	2.92	3.81	9.13
South Omo	-	-	-	-	-	-	-	-	-	-
Keficho-Shekich	-	-	-	-	-	-	-	-	-	-
Bench-Maji	-	-	-	-	-	-	-	-	-	-
Yem Special	-	-	.08	.19	-	-	-	-	.08	.19
Amaro Special	-	-	-	-	-	-	-	-	-	-
Burji Special	-	-	-	-	-	-	-	-	-	-
Konso Special	-	-	-	-	-	-	-	-	-	-
Derashe Special	-	-	-	-	-	-	-	-	-	-
Gambela	-	-	-	-	-	-	-	-	-	-
Harari	-	-	-	-	.02	.05	-	-	.02	.05
Addis Ababa	.02	.05	-	-	-	-	-	-	.02	.05
Dire Dawa	-	-	-	-	-	-	.03	.07	.03	.07
NATIONAL	6.53	15.65	17.75	42.54	5.43	13.01	12.02	28.80	41.73	100.00

Section 12. Distribution of Households Opinion on the Magnitude of Grain Prices Fixed in Advance by the Grain Trader and the Farmer for the Repayment of Fertilizer Loan Agreed to be in Kind in 1996/97 (1989 E.C.)

Loans taken from grain traders are usually repaid by fixing different loan repayment arrangements. Among a number of loan repayment arrangements, loan repayment "in kind" is one of the common arrangements used by households in Ethiopia. In arranging repayment of loan "in kind" the borrower and the lender often make agreement by fixing the prices of the grain produce in advance, may be before harvest. During the survey, information were collected from households on the magnitude of the prices fixed in advance for the re-payment of loan taken, "in kind" in comparison with free market prices of their grain produces. Based on the collected information, the survey result revealed that a total of 7.56 thousand households have obtained loans from grain traders for the purchase of fertilizer by making agreement to repay their loan "in kind" in prices fixed in advance /at the time of loan taking. Out of the total households mentioned above about, 2.29 thousand households (30.29%) reported that the prices of the grains fixed in advance are less than the free market, and about 3.52 thousand (43.92%) households reported the prices fixed were the same as the free market. While 1.95 thousand households (25.79%) households reported that the fixed prices are higher than the free market (for details see Summary Table K).

Summary Table K. Distribution of Households' Opinion on Prices Fixed in Advance on Agreement for Re-payment of Loan "in Kind"

Reported Opinions	Households reporting	
	Number in '000	%
Less than free market prices	2.29	30.29
The same as free market prices	3.32	43.92
Higher than free market prices	1.95	25.79
Total	7.56	100.00

TABLE 12.1 DISTRIBUTION OF HOUSEHOLDS' OPINION ON PRICES FIXED IN ADVANCE BY GRAIN TRADERS FOR RE-PAYMENT IN KIND AND REGION FOR PRIVATE PEASANT HOLDINGS 1996/97 (1989 E.C.)

National (IN '000)

REGION	REPORTED HOUSEHOLD OPINION							
	LESS		SAME		HIGHER		TOTAL	
	IN '000	%	No.	%	No.	%	No.	%
Tigray	.16	1.69	.16	4.82	-	-	.32	2.17
Afar	-	-	-	-	-	-	-	-
Amhara	1.18	12.45	.79	23.80	-	-	1.97	13.36
Oromia	5.85	61.71	2.16	65.06	.47	24.10	8.48	57.49
Somale	-	-	-	-	-	-	-	-
Benshangul-Gumuz	-	-	-	-	-	-	-	-
SNNPR	2.29	24.16	.21	6.33	1.48	75.90	3.98	26.98
Gambela	-	-	-	-	-	-	-	-
Harari	-	-	-	-	-	-	-	-
Addis Ababa	-	-	-	-	-	-	-	-
Dire Dawa	-	-	-	-	-	-	-	-
N A T I O N A L	9.48	100.00	3.32	100.00	1.95	100.00	14.75	100.00

TABLE 12.2 DISTRIBUTION OF HOUSEHOLDS' OPINION ON PRICES FIXED IN ADVANCE BY GRAIN TRADERS FOR RE-PAYMENT IN KIND AND REGION FOR PRIVATE PEASANT HOLDINGS 1996/97 (1989 E.C.)

Regional and Zonal

(IN '000)

REGION/ ZONE	REPORTED HOUSEHOLD OPINION							
	LESS		SAME		HIGHER		TOTAL	
	No.	%	No.	%	No.	%	No.	%
Tigray	.16	1.08	.16	1.08	-	-	.32	2.17
West Tigray	-	-	-	-	-	-	-	-
Central Tigray	-	-	-	-	-	-	-	-
East Tigray	.16	1.08	.16	1.08	-	-	.32	2.17
South Tigray	-	-	-	-	-	-	-	-
Afar	-	-	-	-	-	-	-	-
Zone 1	-	-	-	-	-	-	-	-
Zone 3	-	-	-	-	-	-	-	-
Zone 5	-	-	-	-	-	-	-	-
Amhara	1.18	8.00	.79	5.36	-	-	1.97	13.36
North Gondar	-	-	-	-	-	-	-	-
South Gondar	-	-	-	-	-	-	-	-
North Wollo	-	-	-	-	-	-	-	-
South Wollo	-	-	-	-	-	-	-	-
North Shoa	.39	2.64	-	-	-	-	.39	2.64
East Gojam	-	-	-	-	-	-	-	-
West Gojam	.46	3.12	.46	3.12	-	-	.92	6.24
Waghamera	-	-	-	-	-	-	-	-
Agewawi	.33	2.24	.33	2.24	-	-	.66	4.47
Oromia Zone	-	-	-	-	-	-	-	-
Oromia	5.85	39.66	2.16	14.64	.47	3.19	8.48	57.49
West Wellega	.35	2.37	.35	2.37	-	-	.70	4.75
East Wellega	.94	6.37	.47	3.19	.47	3.19	1.88	12.75
Illubabor	.63	4.27	.21	1.42	-	-	.84	5.69
Jimma	-	-	-	-	-	-	-	-
West Shoa	1.18	8.00	-	-	-	-	1.18	8.00
North Shoa	-	-	-	-	-	-	-	-
East Shoa	-	-	-	-	-	-	-	-
Arsi	2.75	18.64	1.13	7.66	-	-	3.88	26.31
West Hararghe	-	-	-	-	-	-	-	-
East Hararghe	-	-	-	-	-	-	-	-
Bale	-	-	-	-	-	-	-	-
Borena	-	-	-	-	-	-	-	-

TABLE 12.2 DISTRIBUTION OF HOUSEHOLDS' OPINION ON PRICES FIXED IN ADVANCE BY GRAIN TRADERS FOR RE-PAYMENT IN KIND AND REGION FOR PRIVATE PEASANT HOLDINGS 1996/97 (1989 E.C.)

Regional and Zonal (cont.) (IN '000)

REGION/ ZONE	REPORTED HOUSEHOLD OPINION							
	LESS		SAME		HIGHER		TOTAL	
	No.	%	No.	%	No.	%	No.	%
Somale	-	-	-	-	-	-	-	-
Shinele	-	-	-	-	-	-	-	-
Jijiga	-	-	-	-	-	-	-	-
Moyale	-	-	-	-	-	-	-	-
Benshangul-Gumuz	-	-	-	-	-	-	-	-
Metekel	-	-	-	-	-	-	-	-
Assosa	-	-	-	-	-	-	-	-
Kemeshi	-	-	-	-	-	-	-	-
SNNPR	2.29	15.53	.21	1.42	1.48	10.03	3.98	26.98
Gurage	-	-	-	-	-	-	-	-
Hadiya	1.69	11.46	.21	1.42	1.48	10.03	3.38	22.92
Kembata Alaba T	.60	4.07	-	-	-	-	.60	4.07
Sidama	-	-	-	-	-	-	-	-
Gedio	-	-	-	-	-	-	-	-
North Omo	-	-	-	-	-	-	-	-
South Omo	-	-	-	-	-	-	-	-
Keficho-Shekich	-	-	-	-	-	-	-	-
Bench-Maji	-	-	-	-	-	-	-	-
Yem Special	-	-	-	-	-	-	-	-
Amaro Special	-	-	-	-	-	-	-	-
Burji Special	-	-	-	-	-	-	-	-
Konso Special	-	-	-	-	-	-	-	-
Derashe Special	-	-	-	-	-	-	-	-
Gambela	-	-	-	-	-	-	-	-
Harari	-	-	-	-	-	-	-	-
Addis Ababa	-	-	-	-	-	-	-	-
Dire Dawa	-	-	-	-	-	-	-	-
NATIONAL	9.48	64.27	3.32	22.51	1.95	13.22	14.75	100.00

Section 13. Distribution of Households Using Animal Dung by Type of Uses in 1996/97 (1989 E.C.)

The survey result indicates that from the total of 9,100.57 thousand households who were interviewed in 1996/97 (1989 E.C.) crop year agricultural activities, about 5,844.66 thousand households (64.22 %) reported that they use animal dung as organic fertilizer on their farms and 4,390.59 thousand households (48.25 %) as fuel i.e., for cooking food for household consumption, for heating on their living rooms and other activities. It should also be noted that quite a significant number of households use animal dung for wall plastering and for other activities (see Summary Table L).

Summary Table L. Distribution of Households Who Use Animal Dung by Purpose

Type /purpose used	Households reporting	
	Number in thousand	% from total agri. households i.e. 9,100.57 thousand
As organic fertilizer	5,844.66	64.22
For fuel	4,390.59	48.25
For wall plastering	6,338.59	69.65
For other activities	2,099.23	23.07

Note:- It should be noted that the household number estimates by purpose are not 6 exclusive, i.e. a household could be counted more than one-time.

FIG 5. DISTRIBUTION OF HOUSEHOLDS WHO USE ANIMAL MANURE BY PURPOSE AND REGION FOR PRIVATE HOLDINGS
1996/97 (1989 E.C.)

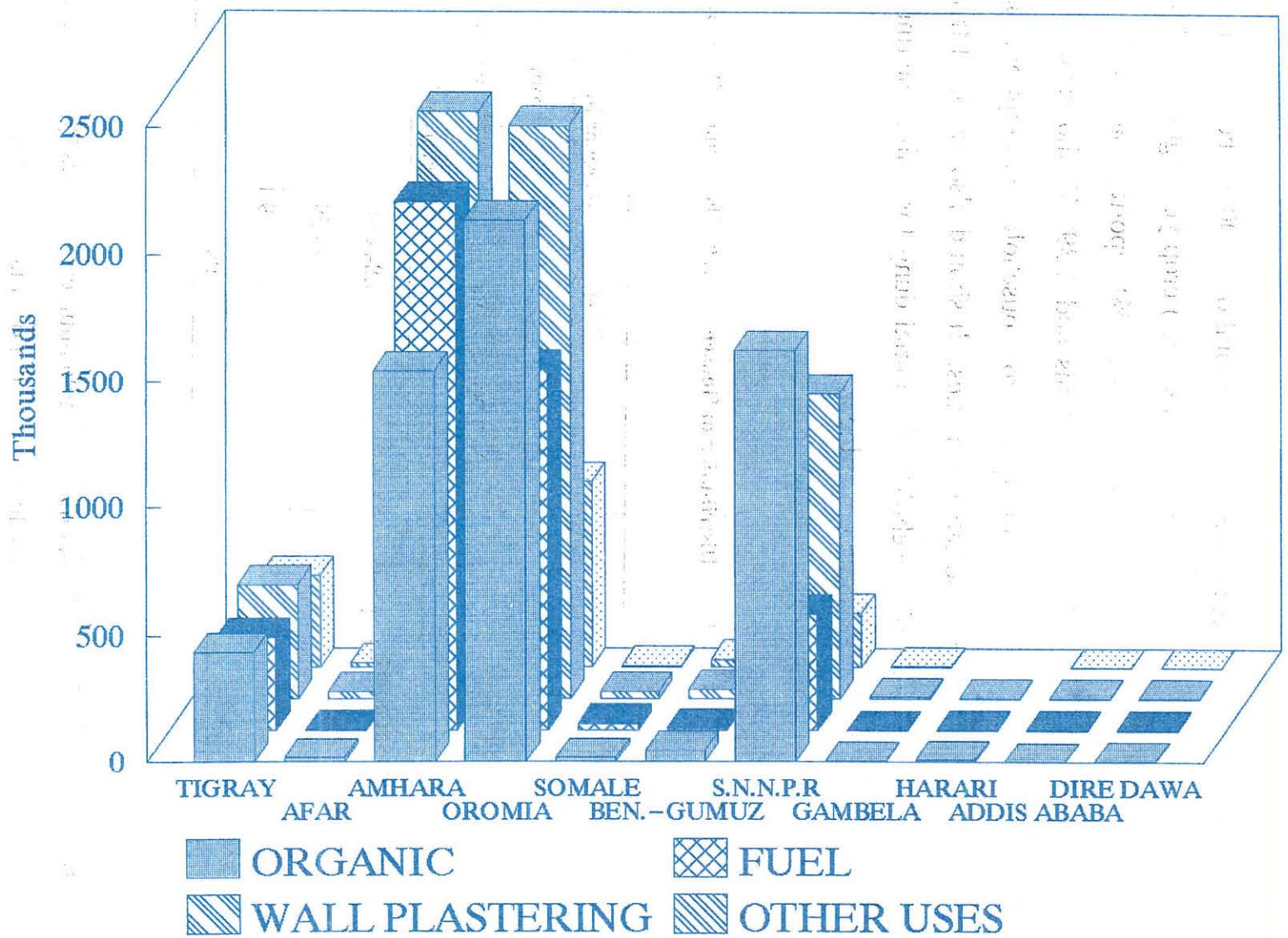


TABLE 13.1 DISTRIBUTION OF HOUSEHOLDS WHO USE ANIMAL MANURE BY PURPOSE AND REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

National (IN '000)

REGION	USE OF ANIMAL DUNG							
	ORGANIC	%	FUEL	%	WALL PLASTERING	%	OTHER USES	%
Tigray	435.44	68.52	370.15	58.25	448.93	70.65	359.52	56.58
Afar	17.39	45.29	1.78	4.64	27.61	71.90	15.62	40.68
Amhara	1,545.25	51.56	2,085.21	69.58	2,313.20	77.19	743.34	24.81
Oromia	2,138.82	58.33	1,427.56	38.93	2,260.09	61.63	729.11	19.88
Somale	16.47	17.84	26.64	28.86	26.98	29.23	4.56	4.94
Benshangul-Gumuz	44.59	36.24	8.91	7.24	36.28	29.49	30.05	24.42
SNNPR	1,630.10	72.88	460.49	20.59	1,208.07	54.01	211.72	9.47
Gambela	1.90	6.54	.91	3.13	6.91	23.79	4.23	14.57
Harari	8.36	61.74	2.01	14.84	1.59	11.74	-	-
Addis Ababa	.50	12.35	4.63	114.32	4.48	110.62	.67	16.54
Dire Dawa	5.84	42.50	2.30	16.74	4.45	32.39	.41	2.98
N A T I O N A L	5,844.66	59.34	4,390.59	44.57	6,338.59	64.35	2,099.23	21.31

Note:-It should be noted that the household number estimates by purpose are not exclusive, i.e a household could be counted more than one time.

TABLE 13.2 DISTRIBUTION OF HHS WHO USE ANIMAL MANURE BY PURPOSE AND REGION FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Regional and Zonal

(IN '000)

REGION/ ZONE	USE OF ANIMAL DUNG							
	ORGANIC	%	FUEL	%	WALL PLASTERING	%	OTHER USES	%
Tigray	435.45	26.98	370.14	22.93	448.92	27.81	359.52	22.27
West Tigray	112.45	28.96	74.39	19.16	133.63	34.42	67.77	17.46
Central Tigray	167.48	32.72	91.97	17.97	125.14	24.45	127.24	24.86
East Tigray	93.43	27.83	90.14	26.85	79.28	23.62	72.81	21.69
South Tigray	62.09	16.41	113.64	30.04	110.87	29.31	91.70	24.24
Afar	17.40	27.88	1.78	2.85	27.62	44.25	15.62	25.02
Zone 1	.74	31.36	.72	30.51	.90	38.14	-	-
Zone 3	16.60	28.07	1.01	1.71	25.90	43.80	15.62	26.42
Zone 5	.06	6.45	.05	5.38	.82	88.17	-	-
Amhara	1,545.25	23.11	2,085.21	31.18	2,313.21	34.59	743.35	11.12
North Gondar	243.22	28.21	273.96	31.78	302.54	35.10	42.32	4.91
South Gondar	240.19	25.33	316.01	33.33	328.47	34.64	63.50	6.70
North Wollo	95.75	14.92	230.31	35.88	224.45	34.97	91.38	14.24
South Wollo	253.71	21.71	394.96	33.80	396.02	33.89	123.96	10.61
North Shoa	155.30	24.04	175.02	27.09	254.06	39.32	61.74	9.56
East Gojam	137.89	15.59	297.49	33.64	314.94	35.61	134.14	15.17
West Gojam	259.34	27.52	242.85	25.77	298.09	31.63	142.26	15.09
Waghamera	15.19	11.28	51.67	38.36	48.86	36.28	18.97	14.08
Agewawi	110.35	35.11	69.74	22.19	77.23	24.57	56.97	18.13
Oromia Zone	34.31	23.80	33.20	23.03	68.55	47.55	8.11	5.63
Oromia	2,138.82	32.63	1,427.57	21.78	2,260.11	34.48	729.12	11.12
West Wellega	194.74	50.83	11.85	3.09	73.09	19.08	103.44	27.00
East Wellega	139.92	43.59	20.90	6.51	108.86	33.91	51.33	15.99
Illubabor	87.30	48.21	6.71	3.71	57.12	31.54	29.96	16.54
Jimma	275.73	42.64	23.23	3.59	307.91	47.61	39.85	6.16
West Shoa	321.32	29.53	313.34	28.79	386.46	35.51	67.06	6.16
North Shoa	100.01	18.79	206.85	38.86	207.62	39.01	17.81	3.35
East Shoa	151.24	27.36	156.12	28.25	186.38	33.72	58.99	10.67
Arsi	285.47	24.96	308.53	26.98	377.96	33.05	171.56	15.00
West Hararghe	169.19	32.39	110.18	21.09	179.68	34.40	63.28	12.11
East Hararghe	247.16	39.58	136.96	21.93	165.58	26.52	74.77	11.97
Bale	80.08	19.79	110.00	27.18	166.38	41.12	48.18	11.91
Borena	86.66	55.72	22.90	14.72	43.07	27.69	2.89	1.86

TABLE 13.2 DISTRIBUTION OF HHS WHO USE ANIMAL MANURE BY PURPOSE AND REGION
FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Regional and Zonal (cont.)

(IN '000)

REGION/ ZONE	USE OF ANIMAL DUNG							
	ORGANIC	%	FUEL	%	WALL PLASTERING	%	OTHER USES	%
Somale	16.47	22.07	26.63	35.68	26.98	36.15	4.56	6.11
Shinele	.85	44.04	.21	10.88	.70	36.27	.17	8.81
Jijiga	14.69	20.51	26.39	36.85	26.14	36.50	4.39	6.13
Moyale	.93	84.55	.03	2.73	.14	12.73	-	-
Benshangul-Gumuz	44.58	37.21	8.91	7.44	36.27	30.27	30.05	25.08
Metekel	18.84	32.30	4.81	8.25	17.24	29.56	17.43	29.89
Assosa	17.69	38.64	4.10	8.96	11.86	25.91	12.13	26.50
Kemeshi	8.05	51.24	-	-	7.17	45.64	.49	3.12
SNNPR	1,630.08	46.44	460.50	13.12	1,208.07	34.41	211.73	6.03
Gurage	291.66	36.56	172.23	21.59	287.42	36.03	46.34	5.81
Hadiya	166.52	41.46	52.36	13.04	157.18	39.14	25.56	6.36
Kembata Alaba T	125.49	36.37	68.46	19.84	104.59	30.31	46.52	13.48
Sidama	317.05	73.32	47.97	11.09	49.24	11.39	18.17	4.20
Gedio	54.04	77.10	3.52	5.02	9.48	13.53	3.05	4.35
North Omo	489.62	53.36	90.75	9.89	306.46	33.40	30.69	3.34
South Omo	13.38	15.82	.59	.70	64.53	76.30	6.07	7.18
Keficho-Shekich	75.29	34.03	13.88	6.27	109.47	49.48	22.58	10.21
Bench-Maji	52.70	40.77	2.01	1.56	69.20	53.54	5.35	4.14
Yem Special	12.89	40.18	5.10	15.90	12.08	37.66	2.01	6.27
Amaro Special	11.01	46.63	1.74	7.37	9.53	40.36	1.33	5.63
Burji Special	1.93	20.73	.15	1.61	5.63	60.47	1.60	17.19
Konso Special	16.81	47.93	1.13	3.22	14.81	42.23	2.32	6.62
Derashe Special	1.69	15.52	.61	5.60	8.45	77.59	.14	1.29
Gambela	1.90	13.62	.91	6.52	6.91	49.53	4.23	30.32
Harari	8.36	69.90	2.01	16.81	1.59	13.29	-	-
Addis Ababa	.50	4.86	4.63	45.04	4.48	43.58	.67	6.52
Dire Dawa	5.84	44.92	2.30	17.69	4.45	34.23	.41	3.15
NATIONAL	5,844.65	31.30	4,390.59	23.51	6,338.61	33.95	2,099.26	11.24

Section 14. Distribution of Households Using Different Types of Organic Matter Other than Animal Dung in 1996/97 (1989 E.C.)

The survey result indicates that, an estimate of 2,571.40 thousand households reported of using other organic matter such as green manure and other compost as fertilizer to increase the soil fertility of their farm in 1996/97 (1989 E.C.) crop year.

Out of this total 74.25 % reported of using green manure, while 25.75 % have reported using other compost to increase the soil fertility of their farms during the 1996/97 (1989 E.C.) crop production year (See Summary Table M).

Summary Table M. Number of HH Reporting Use of Other Organic Matter Fertilizers by Type

Type of organic Matter	Number of HH	
	in '000	%
Green Manure	1,909.31	74.25
Other Compost	662.09	25.75
Total	2,571.40	100.00

TABLE 14.1 DISTRIBUTION OF HOUSEHOLDS USING ORGANIC MATTER OTHER THAN MANURE BY TYPE OF ORGANIC MATTER AND REGIOIN FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

National (IN '000)

REGION	TYPE OF ORGANIC MATTER					
	GREEN ORGANIC MATTER	%	OTHER COMPOST	%	TOTAL	%
Tigray	184.05	9.64	80.57	12.17	264.62	10.29
Afar	10.24	.54	1.25	.19	11.49	.45
Amhara	475.98	24.93	172.40	26.04	648.38	25.22
Oromia	657.26	34.42	267.47	40.40	924.73	35.96
Somale	5.27	.28	1.73	.26	7.00	.27
Benshangul-Gumuz	28.05	1.47	6.43	.97	34.48	1.34
SNNPR	538.91	28.23	130.40	19.70	669.31	26.03
Gambela	4.03	.21	.44	.07	4.47	.17
Harari	3.83	.20	.88	.13	4.71	.18
Addis Ababa	.20	.01	.16	.02	.36	.01
Dire Dawa	1.49	.08	.36	.05	1.85	.07
N A T I O N A L	1,909.31	100.00	662.09	100.00	2,571.40	100.00

TABLE 14.2 DISTRIBUTION OF HHS USING ORGANIC MATTER OTHER THAN MANURE BY TYPE OF ORGANIC MATTER AND REGIOIN FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Regional and Zonal

(IN '000)

REGION/ ZONE	TYPE OF ORGANIC MATTER					
	GREEN ORGANIC MATTER	%	OTHER COMPOST	%	TOTAL	%
Tigray	184.05	7.16	80.57	3.13	264.62	10.29
West Tigray	35.94	1.40	14.11	.55	50.05	1.95
Central Tigray	74.03	2.88	14.71	.57	88.74	3.45
East Tigray	61.02	2.37	33.68	1.31	94.70	3.68
South Tigray	13.06	.51	18.07	.70	31.13	1.21
Afar	10.24	.40	1.25	.05	11.49	.45
Zone 1	-	-	-	-	-	-
Zone 3	10.24	.40	1.10	.04	11.34	.44
Zone 5	-	-	.15	.01	.15	.01
Amhara	475.97	18.51	172.40	6.70	648.37	25.21
North Gondar	47.34	1.84	22.45	.87	69.79	2.71
South Gondar	47.61	1.85	13.03	.51	60.64	2.36
North Wollo	50.27	1.95	2.69	.10	52.96	2.06
South Wollo	125.59	4.88	25.53	.99	151.12	5.88
North Shoa	71.49	2.78	28.14	1.09	99.63	3.87
East Gojam	22.60	.88	20.08	.78	42.68	1.66
West Gojam	56.33	2.19	42.34	1.65	98.67	3.84
Waghamera	3.89	.15	.46	.02	4.35	.17
Agewawi	16.36	.64	6.13	.24	22.49	.87
Oromia Zone	34.49	1.34	11.55	.45	46.04	1.79
Oromia	657.25	25.56	267.47	10.40	924.72	35.96
West Wellega	61.46	2.39	32.52	1.26	93.98	3.65
East Wellega	35.90	1.40	18.82	.73	54.72	2.13
Illubabor	31.74	1.23	17.03	.66	48.77	1.90
Jimma	94.16	3.66	46.95	1.83	141.11	5.49
West Shoa	42.66	1.66	11.12	.43	53.78	2.09
North Shoa	12.77	.50	9.20	.36	21.97	.85
East Shoa	50.10	1.95	12.63	.49	62.73	2.44
Arsi	48.93	1.90	24.56	.96	73.49	2.86
West Hararghe	93.89	3.65	32.60	1.27	126.49	4.92
East Hararghe	124.94	4.86	46.23	1.80	171.17	6.66
Bale	8.77	.34	5.33	.21	14.10	.55
Borena	51.93	2.02	10.48	.41	62.41	2.43

TABLE 14.2 DISTRIBUTION OF HHS USING ORGANIC MATTER OTHER THAN MANURE BY TYPE OF ORGANIC MATTER AND REGIOIN FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Regional and Zonal (cont.) (IN '000)

REGION/ ZONE	TYPE OF ORGANIC MATTER					
	GREEN ORGANIC MATTER	%	OTHER COMPOST	%	TOTAL	%
Somale	5.28	.21	1.74	.07	7.02	.27
Shinele	.75	.03	.11	-	.86	.03
Jijiga	3.92	.15	1.63	.06	5.55	.22
Moyale	.61	.02	-	-	.61	.02
Benshangul-Gumuz	28.06	1.09	6.44	.25	34.50	1.34
Metekel	6.12	.24	4.64	.18	10.76	.42
Assosa	7.82	.30	1.63	.06	9.45	.37
Kemeshi	14.12	.55	.17	.01	14.29	.56
SNNPR	538.90	20.96	130.42	5.07	669.32	26.03
Gurage	64.54	2.51	14.64	.57	79.18	3.08
Hadiya	28.15	1.09	25.98	1.01	54.13	2.11
Kembata Alaba T	31.28	1.22	2.13	.08	33.41	1.30
Sidama	161.22	6.27	4.12	.16	165.34	6.43
Gedio	15.12	.59	.58	.02	15.70	.61
North Omo	136.15	5.29	54.14	2.11	190.29	7.40
South Omo	8.72	.34	2.12	.08	10.84	.42
Keficho-Shekich	45.64	1.77	15.46	.60	61.10	2.38
Bench-Maji	27.78	1.08	6.25	.24	34.03	1.32
Yem Special	4.22	.16	.84	.03	5.06	.20
Amaro Special	2.88	.11	.20	.01	3.08	.12
Burji Special	1.01	.04	1.05	.04	2.06	.08
Konso Special	7.00	.27	.17	.01	7.17	.28
Derashe Special	5.19	.20	2.74	.11	7.93	.31
Gambela	4.03	.16	.44	.02	4.47	.17
Harari	3.83	.15	.88	.03	4.71	.18
Addis Ababa	.20	.01	.16	.01	.36	.01
Dire Dawa	1.49	.06	.36	.01	1.85	.07
NATIONAL	1,909.30	74.25	662.13	25.75	2,571.43	100.00

Section 15. Distribution of Households Reporting Crop Rotation Practices as a Means of Increasing Soil Fertility

In Ethiopia, for centuries, private peasants used to exercise crop rotation practices as a means of increasing soil fertility. Attempts have been made to investigate the extent of crop rotation practice of agricultural households as a means of increasing soil fertility. Thus, based on the survey results, of the total households who were engaged in agricultural activity in 1996/97 (1989 E.C.) crop year, about 2,918.93 thousand households 32.41 % used crop rotation practices as a means to increase their farm fertility, while 67.59 % didn't use (for details see Summary Table N).

Summary Table N. Distribution of Households Reporting Crop Rotation Practices as a Means of Increasing Soil Fertility

Type of Crop Production Practice Reported	Households reporting	
	Number in '000	%
Exercise Crop Rotation Practice	2,918.93	32.41
Didn't Exercise Crop Rotation Practice	6,088.67	67.59
Not stated	-	-
Total	9,007.60	100.00

TABLE 15.1 DISTRIBUTION OF HOUSEHOLDS REPORTING CROP ROTATION PRACTICE BY REGION
FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

National (IN '000)

REGION	NUMBER OF HOUSEHOLDS							
	NOT PRACTICING CROP ROTATION	%	PRACTICING CROP ROTATION	%	NOT STATED	%	TOTAL	%
Tigray	482.30	83.87	90.44	15.73	2.35	.41	575.09	100.00
Afar	21.08	58.54	14.91	41.41	.02	.06	36.01	100.00
Amhara	2,229.37	83.03	423.78	15.78	31.95	1.19	2,685.10	100.00
Oromia	2,341.65	67.39	1,108.03	31.89	25.00	.72	3,474.68	100.00
Somale	8.76	10.13	77.36	89.42	.39	.45	86.51	100.00
Benshangul-Gumuz	81.57	73.05	29.38	26.31	.72	.64	111.67	100.00
SNNPR	914.81	44.24	1,128.14	54.56	24.90	1.20	2,067.85	100.00
Gambela	3.88	14.44	22.50	83.74	.49	1.82	26.87	100.00
Harari	1.38	10.83	11.32	88.85	.04	.31	12.74	100.00
Addis Ababa	3.52	83.61	.62	14.73	.07	1.66	4.21	100.00
Dire Dawa	.35	2.73	12.45	97.11	.02	.16	12.82	100.00
NATIONAL	6,088.67	66.96	2,918.93	32.10	85.95	.95	9,093.55	100.00

FIG 6. DISTRIBUTION OF HOUSEHOLDS REPORTING CROP ROTATION PRACTICE BY REGION FOR PRIVATE HOLDINGS
1996/97 (1989 E.C.)

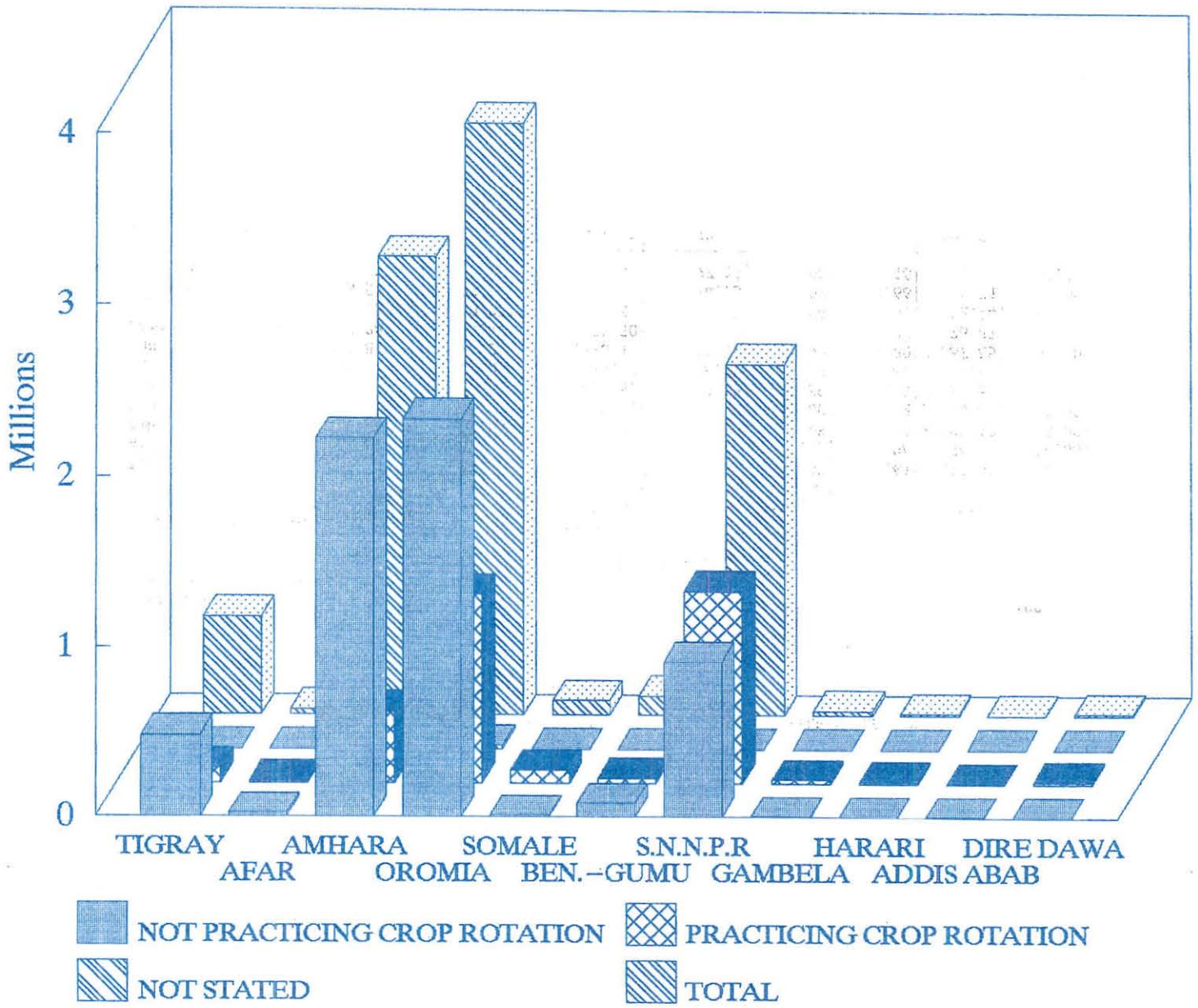


TABLE 15.2 DISTRIBUTION OF HHS REPORTING CROP ROTATION PRACTICE BY REGION FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Regional and Zonal

(IN '000)

REGION/ ZONE	NUMBER OF HOUSEHOLDS							
	NOT PRACTICING CROP ROTATION	%	PRACTICING CROP ROTATION	%	NOT STATED	%	TOTAL	%
Tigray	482.30	83.87	90.43	15.72	2.35	.41	575.08	100.00
West Tigray	119.72	84.48	20.90	14.75	1.10	.78	141.72	100.00
Central Tigray	170.60	89.24	20.56	10.76	-	-	191.16	100.00
East Tigray	92.28	84.89	15.94	14.66	.49	.45	108.71	100.00
South Tigray	99.70	74.69	33.03	24.74	.76	.57	133.49	100.00
Afar	21.08	58.54	14.91	41.41	.02	.06	36.01	100.00
Zone 1	-	-	7.89	99.75	.02	.25	7.91	100.00
Zone 3	20.15	74.38	6.94	25.62	-	-	27.09	100.00
Zone 5	.93	92.08	.08	7.92	-	-	1.01	100.00
Amhara	2,229.36	83.03	423.80	15.78	31.94	1.19	2,685.10	100.00
North Gondar	322.22	86.45	48.60	13.04	1.90	.51	372.72	100.00
South Gondar	298.18	83.40	57.33	16.03	2.04	.57	357.55	100.00
North Wollo	207.77	82.36	43.47	17.23	1.04	.41	252.28	100.00
South Wollo	388.05	86.33	60.88	13.54	.56	.12	449.49	100.00
North Shoa	233.92	80.66	52.96	18.26	3.11	1.07	289.99	100.00
East Gojam	295.79	83.74	51.57	14.60	5.86	1.66	353.22	100.00
West Gojam	269.01	80.60	49.55	14.85	15.21	4.56	333.77	100.00
Waghamera	55.02	81.89	12.06	17.95	.11	.16	67.19	100.00
Agewawi	111.03	86.95	14.77	11.57	1.89	1.48	127.69	100.00
Oromia Zone	48.37	59.57	32.61	40.16	.22	.27	81.20	100.00
Oromia	2,341.65	67.39	1,108.02	31.89	25.02	.72	3,474.69	100.00
West Wellega	236.99	80.78	53.79	18.34	2.59	.88	293.37	100.00
East Wellega	180.90	77.57	51.55	22.10	.77	.33	233.22	100.00
Illubabor	72.26	38.30	114.62	60.75	1.79	.95	188.67	100.00
Jimma	286.72	72.90	104.88	26.67	1.72	.44	393.32	100.00
West Shoa	382.63	89.23	43.41	10.12	2.79	.65	428.83	100.00
North Shoa	183.50	83.05	35.32	15.99	2.12	.96	220.94	100.00
East Shoa	164.21	69.98	69.81	29.75	.62	.26	234.64	100.00
Arsi	325.21	80.64	74.45	18.46	3.65	.91	403.31	100.00
West Hararghe	126.40	49.53	127.70	50.04	1.10	.43	255.20	100.00
East Hararghe	143.29	41.43	200.80	58.06	1.76	.51	345.85	100.00
Bale	133.78	63.18	75.84	35.82	2.12	1.00	211.74	100.00
Borena	105.76	39.82	155.85	58.68	3.99	1.50	265.60	100.00

TABLE 15.2 DISTRIBUTION OF HHS REPORTING CROP ROTATION PRACTICE BY REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Regional and Zonal(cont.)

(IN '000)

REGION/ ZONE	NUMBER OF HOUSEHOLDS							
	NOT PRACTICING CROP ROTATION	%	PRACTICING CROP ROTATION	%	NOT STATED	%	TOTAL	%
Somale	8.76	10.13	77.36	89.43	.38	.44	86.50	100.00
Shinele	.62	20.74	2.34	78.26	.03	1.00	2.99	100.00
Jijiga	8.00	13.70	50.08	85.75	.32	.55	58.40	100.00
Moyale	.14	.56	24.94	99.32	.03	.12	25.11	100.00
Benshangul-Gumuz	81.57	73.05	29.38	26.31	.72	.64	111.67	100.00
Metekel	28.73	66.35	14.34	33.12	.23	.53	43.30	100.00
Assosa	37.92	83.32	7.21	15.84	.38	.83	45.51	100.00
Kemeshi	14.92	65.27	7.83	34.25	.11	.48	22.86	100.00
SNNPR	914.80	44.24	1,128.14	54.56	24.91	1.20	2,067.85	100.00
Gurage	152.24	47.09	167.55	51.82	3.54	1.09	323.33	100.00
Hadiya	135.43	75.34	39.18	21.79	5.16	2.87	179.77	100.00
Kembata Alaba T	99.02	76.56	29.46	22.78	.85	.66	129.33	100.00
Sidama	75.17	18.13	337.73	81.44	1.80	.43	414.70	100.00
Gedio	23.94	21.24	88.07	78.12	.72	.64	112.73	100.00
North Omo	263.52	48.75	266.90	49.38	10.09	1.87	540.51	100.00
South Omo	17.48	22.81	58.11	75.82	1.05	1.37	76.64	100.00
Keficho-Shekich	89.81	61.68	54.78	37.62	1.02	.70	145.61	100.00
Bench-Maji	24.92	34.79	46.35	64.70	.37	.52	71.64	100.00
Yem Special	13.13	94.94	.63	4.56	.07	.51	13.83	100.00
Amaro Special	3.54	24.57	10.69	74.18	.18	1.25	14.41	100.00
Burji Special	4.09	61.04	2.55	38.06	.06	.90	6.70	100.00
Konso Special	4.64	18.70	20.17	81.30	-	-	24.81	100.00
Derashe Special	7.87	56.86	5.97	43.14	-	-	13.84	100.00
Gambela	3.88	14.44	22.50	83.74	.49	1.82	26.87	100.00
Harari	1.38	10.83	11.32	88.85	.04	.31	12.74	100.00
Addis Ababa	3.52	83.61	.62	14.73	.07	1.66	4.21	100.00
Dire Dawa	.35	2.73	12.45	97.11	.02	.16	12.82	100.00
NATIONAL	6,088.65	66.96	2,918.93	32.10	85.96	.95	9,093.54	100.00

Section 16. Distribution of Households Obtaining Advice /Assistance from Extension/ Development Agents by Method of Assistance

In Ethiopia strenuous efforts are being currently made by the government and others in providing technical advices and assistances to farmers as to how to increase the productivity of agricultural output per unit area through extension /development agents. Besides these efforts there is a need by government and others to know the extent and coverage of the advise/ assistance given by the extension/ development agents. To this end, an attempt has been made to collect information on the coverage of the technical assistances and advices given by extension /development agents to agricultural households as well as the methods /ways used for providing the assistance.

Thus, based on the survey results, of the total agricultural households, 2,119.87 thousand households (23.30 %) have got assistances /advices from extension /development agents that helped them improve productivity per unit area. Out of this total, about 442.57 thousand households (20.87 %) have got the advice /assistance through individual farm visit made by the extension agents, and 1,280.04 thousand households (60.38 %) have got the advices /assistances through group discussion /demonstration prepared by the development agents. While 397.26 thousand households (18.74 %) have got the advices /assistances, through other means, (See Summary Table O).

Summary Table O. Distribution of Households Obtaining Advise /Assistance from Extension /Development Agent by Method of Assistant

Methods used	Households obtaining advise /Assistance		
	in '000	%	% from total agri. households
Individual farm Visit	442.57	20.87	4.89
Group Talk/ Demonstration	1,280.04	60.38	14.07
Others	397.26	18.74	4.37
Total	2,119.87	100.00	23.30

FIG 7. DISTRIBUTION OF HOUSEHOLDS OBTAINING ADVICE/ASSISTENCE FROM EXTENSION/DEVELOPMENT AGENT BY METHOD OF ASSISTENCE, 1996/97 (1989 E.C.)

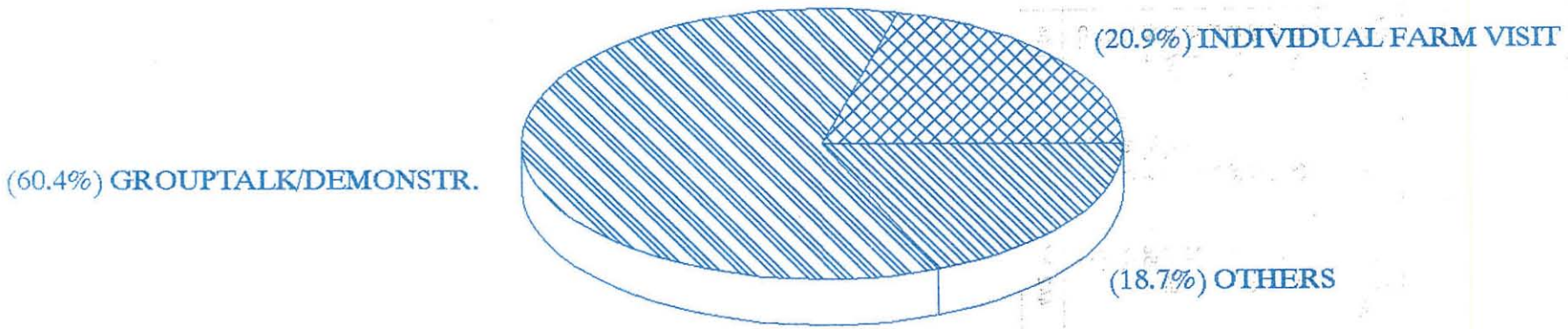


TABLE 16.1 DISTRIBUTION OF HOUSEHOLDS OBTAINING ADVISE/ASSISTANCE FROM EXTENSION DEVELOPMENT AGENTS BY METHOD OF ASSISTANCE AND REGION
FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

National (IN '000)

REGION	METHOD OF ASSISTANCE							
	INDIVIDUAL FARM VISIT	%	GROUP TALK DEMONSTR-ATION	%	OTHERS	%	TOTAL	%
Tigray	48.15	12.86	262.55	70.14	63.62	17.00	374.32	100.00
Afar	.08	61.54	.05	38.46	-	-	.13	100.00
Amhara	124.27	15.53	542.66	67.82	133.20	16.65	800.13	100.00
Oromia	181.10	26.90	347.31	51.58	144.94	21.53	673.35	100.00
Somale	.43	23.89	.73	40.56	.64	35.56	1.80	100.00
Benshangul-Gumuz	.91	5.63	11.75	72.71	3.50	21.66	16.16	100.00
SNNPR	84.11	34.69	107.89	44.50	50.44	20.81	242.44	100.00
Gambela	2.56	33.38	4.90	63.89	.21	2.74	7.67	100.00
Harari	.42	16.60	1.45	57.31	.66	26.09	2.53	100.00
Addis Ababa	.17	24.29	.50	71.43	.03	4.29	.70	100.00
Dire Dawa	.37	57.81	.25	39.06	.02	3.13	.64	100.00
NATIONAL	442.57	20.88	1,280.04	60.38	397.26	18.74	2,119.87	100.00

FIG 8. DISTRIBUTION OF HOUSEHOLDS OBTAINING ADVICE/ASSISTENCE FROM EXTENSION DEVELOPMENT AGENT BY METHOD OF ASSISTENCE AND REGION FOR PRIVATE HOLDINGS (1996/97 (1989 E.C.)

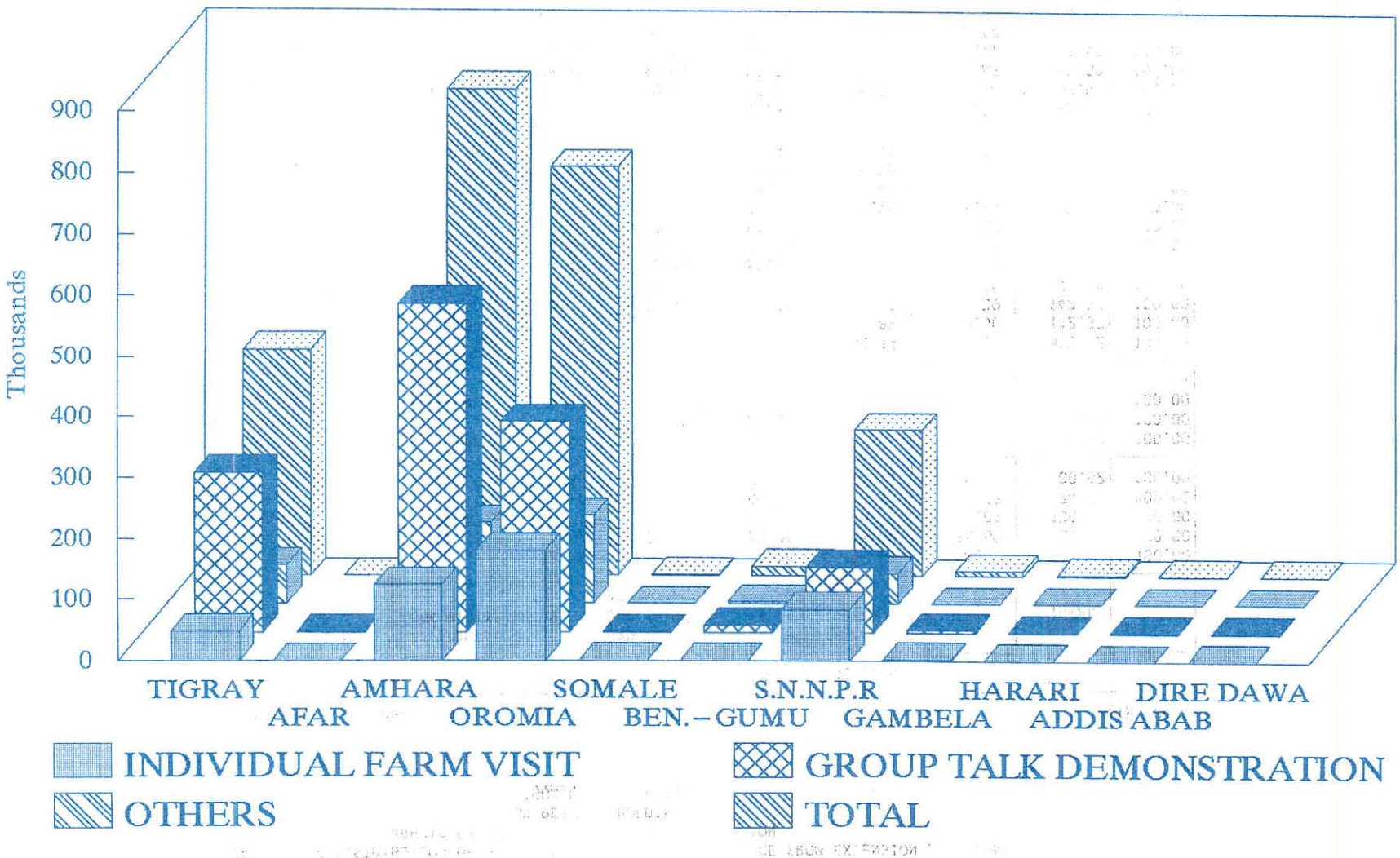


TABLE 16.2 DISTRIBUTION OF HHS OBTAINING ADVISE/ASSISTANCE FROM EXTENSION DEVELOPMENT AGENTS BY METHOD OF ASSISTANCE AND REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Regional and Zonal

(IN '000)

REGION/ ZONE	METHOD OF ASSISTANCE							
	INDIVIDUAL FARM VISIT	%	GROUP TALK DEMONSTR-ATION	%	OTHERS	%	TOTAL	%
Tigray	48.15	12.86	262.55	70.14	63.61	16.99	374.31	100.00
West Tigray	19.18	23.07	50.08	60.24	13.88	16.69	83.14	100.00
Central Tigray	14.89	10.94	102.46	75.25	18.81	13.81	136.16	100.00
East Tigray	6.79	9.13	51.99	69.89	15.61	20.98	74.39	100.00
South Tigray	7.29	9.04	58.02	71.97	15.31	18.99	80.62	100.00
Afar	.08	61.54	.05	38.46	-	-	.13	100.00
Zone 1	-	-	.05	100.00	-	-	.05	100.00
Zone 3	.08	100.00	-	-	-	-	.08	100.00
Zone 5	-	-	-	-	-	-	-	-
Amhara	124.28	15.53	542.65	67.82	133.19	16.65	800.12	100.00
North Gondar	13.29	11.83	85.26	75.87	13.82	12.30	112.37	100.00
South Gondar	12.47	8.76	107.92	75.85	21.90	15.39	142.29	100.00
North Wollo	19.00	19.47	61.11	62.63	17.47	17.90	97.58	100.00
South Wollo	22.80	14.42	97.73	61.79	37.63	23.79	158.16	100.00
North Shoa	14.21	20.92	45.55	67.06	8.16	12.01	67.92	100.00
East Gojam	17.83	27.69	33.65	52.26	12.91	20.05	64.39	100.00
West Gojam	12.73	24.07	33.21	62.79	6.95	13.14	52.89	100.00
Waghamera	3.37	19.59	11.43	66.45	2.40	13.95	17.20	100.00
Agewawi	5.70	9.68	48.39	82.20	4.78	8.12	58.87	100.00
Oromia Zone	2.88	10.12	18.40	64.67	7.17	25.20	28.45	100.00
Oromia	181.10	26.90	347.31	51.58	144.92	21.52	673.33	100.00
West Wellega	17.14	20.67	50.51	60.90	15.29	18.44	82.94	100.00
East Wellega	23.90	36.28	35.51	53.90	6.47	9.82	65.88	100.00
Illubabor	20.99	66.70	7.09	22.53	3.39	10.77	31.47	100.00
Jimma	19.66	35.63	16.97	30.75	18.55	33.62	55.18	100.00
West Shoa	38.67	43.41	36.84	41.35	13.58	15.24	89.09	100.00
North Shoa	8.56	17.33	34.02	68.89	6.80	13.77	49.38	100.00
East Shoa	2.61	12.04	12.22	56.39	6.84	31.56	21.67	100.00
Arsi	9.24	10.30	54.39	60.64	26.07	29.06	89.70	100.00
West Hararghe	16.08	30.83	27.45	52.63	8.63	16.55	52.16	100.00
East Hararghe	8.50	14.13	28.61	47.57	23.03	38.29	60.14	100.00
Bale	5.45	10.98	37.84	76.26	6.33	12.76	49.62	100.00
Borena	10.30	39.46	5.86	22.45	9.94	38.08	26.10	100.00

TABLE 16.2 DISTRIBUTION OF HHS OBTAINING ADVISE/ASSISTANCE FROM EXTENSION DEVELOPMENT AGENTS BY METHOD OF ASSISTANCE AND REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Regional and Zonal (cont.)

(IN '000)

REGION/ ZONE	METHOD OF ASSISTANCE							
	INDIVIDUAL FARM VISIT	%	GROUP TALK DEMONSTR-ATION	%	OTHERS	%	TOTAL	%
Somale	.44	24.31	.73	40.33	.64	35.36	1.81	100.00
Shinele	.13	38.24	.15	44.12	.06	17.65	.34	100.00
Jijiga	.31	21.09	.58	39.46	.58	39.46	1.47	100.00
Moyale	-	-	-	-	-	-	-	-
Benshangul-Gumuz	.91	5.63	11.75	72.67	3.51	21.71	16.17	100.00
Metekel	.64	10.41	3.87	62.93	1.64	26.67	6.15	100.00
Assosa	.24	7.00	3.19	93.00	-	-	3.43	100.00
Kemeshi	.03	.46	4.69	71.17	1.87	28.38	6.59	100.00
SNNPR	84.12	34.70	107.90	44.50	50.43	20.80	242.45	100.00
Gurage	3.95	13.48	11.22	38.29	14.13	48.23	29.30	100.00
Hadiya	13.04	45.15	6.59	22.82	9.25	32.03	28.88	100.00
Kembata Alaba T	10.35	50.59	5.20	25.42	4.91	24.00	20.46	100.00
Sidama	8.62	66.41	2.61	20.11	1.75	13.48	12.98	100.00
Gedio	5.06	45.71	5.07	45.80	.94	8.49	11.07	100.00
North Omo	28.46	34.08	43.67	52.29	11.39	13.64	83.52	100.00
South Omo	.85	25.68	1.54	46.53	.92	27.79	3.31	100.00
Keficho-Shekich	7.46	24.55	19.63	64.59	3.30	10.86	30.39	100.00
Bench-Maji	3.23	33.51	4.21	43.67	2.20	22.82	9.64	100.00
Yem Special	1.17	36.68	1.92	60.19	.10	3.13	3.19	100.00
Amaro Special	.27	13.64	1.57	79.29	.14	7.07	1.98	100.00
Burji Special	.67	40.61	.58	35.15	.40	24.24	1.65	100.00
Konso Special	.34	10.93	2.62	84.24	.15	4.82	3.11	100.00
Derashe Special	.65	21.89	1.47	49.49	.85	28.62	2.97	100.00
Gambela	2.56	33.38	4.90	63.89	.21	2.74	7.67	100.00
Harari	.42	16.60	1.45	57.31	.66	26.09	2.53	100.00
Addis Ababa	.17	24.29	.50	71.43	.03	4.29	.70	100.00
Dire Dawa	.37	57.81	.25	39.06	.02	3.13	.64	100.00
NATIONAL	442.60	20.88	1,280.04	60.38	397.22	18.74	2,119.86	100.00

Section 17. Distribution of Household Using Alternative Farm Inputs, In addition to Fertilizer, by the Type and Priority Choices of the Inputs in 1996/97 (1998 E.C.)

This section presents results on the estimates of total household heads desire to increase productivity by using other farm inputs in addition to fertilizer. The households were asked to rank their preference by order of importance and type of farm inputs that would increase agricultural productivity.

According to the survey result, for about 1,115 thousand households improved seeds was the first priority for improving agricultural productivity, in addition to fertilizer. On the other hand, for about 1,302 thousand households the application of pesticides was the first priority in addition to fertilizer. Improved farm implements and other inputs were also ranked as the first priority by 201.42 thousand and 1,118.04 thousand households, respectively (For details, see Tables 17.1,). Similarly for about 321 thousand households improved seed, for about 728 households pesticide, for 251.83 thousand households improved farm implements and for 237.45 thousand households other inputs were found to be the second priority of the agriculture households (Table 17.2).

TABLE 17.1 DISTRIBUTION OF HOUSEHOLD HEADS' PRIMARY DESIRE TO INCREASE PRODUCTIVITY BY APPLYING ALTERNATIVE FARM INPUTS OTHER THAN FERTILIZER BY TYPE AND REGION
FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

National (IN '000)

REGION	ALTERNATIVE CHOICE OF FARM INPUTS									
	IMPROVED SEEDS	%	PESTICIDES AND INSEC-TICIDES	%	IMPROVED FARM IMP-LEMENTS	%	OTHERS	%	TOTAL	%
Tigray	145.13	39.29	78.64	21.29	27.21	7.37	118.43	32.06	369.41	100.00
Afar	.58	2.60	16.13	72.40	.75	3.37	4.82	21.63	22.28	100.00
Amhara	295.40	34.39	125.49	14.61	47.40	5.52	390.76	45.49	859.05	100.00
Oromia	377.61	22.63	837.07	50.17	41.01	2.46	412.69	24.74	1,668.38	100.00
Somale	6.12	38.39	1.34	8.41	5.79	36.32	2.69	16.88	15.94	100.00
Benshangul-Gumuz	3.62	20.10	.60	3.33	.96	5.33	12.83	71.24	18.01	100.00
SNNPR	281.70	33.77	241.25	28.92	77.17	9.25	233.98	28.05	834.10	100.00
Gambela	1.41	35.43	.09	2.26	.17	4.27	2.31	58.04	3.98	100.00
Harari	2.40	42.78	.84	14.97	.74	13.19	1.63	29.06	5.61	100.00
Addis Ababa	.61	32.62	.90	48.13	.01	.53	.35	18.72	1.87	100.00
Dire Dawa	1.12	20.70	.53	9.80	.21	3.88	3.55	65.62	5.41	100.00
NATIONAL	1,115.70	29.33	1,302.88	34.25	201.42	5.29	1,184.04	31.13	3,804.04	100.00

TABLE 17.1.1 DISTRIBUTION OF HH HEADS' PRIMARY DESIRE TO INCREASE PRODUCTIVITY BY APPLYING ALTERNATIVE FARM INPUTS OTHER THAN FERTILIZER BY TYPE AND REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Regional and Zonal

(IN '000)

REGION/ ZONE	ALTERNATIVE CHOICE OF FARM INPUTS									
	IMPROVED SEEDS	%	PESTICIDES AND INSEC-TICIDES	%	IMPROVED FARM IMP-LEMENTS	%	OTHERS	%	TOTAL	%
Tigray	145.13	39.29	78.64	21.29	27.21	7.37	118.43	32.06	369.41	100.00
West Tigray	34.83	36.22	13.66	14.20	1.85	1.92	45.83	47.66	96.17	100.00
Central Tigray	34.53	30.57	22.46	19.88	2.13	1.89	53.85	47.67	112.97	100.00
East Tigray	38.39	49.22	13.78	17.67	15.53	19.91	10.30	13.21	78.00	100.00
South Tigray	37.38	45.44	28.74	34.93	7.70	9.36	8.45	10.27	82.27	100.00
Afar	.58	2.60	16.13	72.40	.75	3.37	4.82	21.63	22.28	100.00
Zone 1	-	-	-	-	.02	50.00	.02	50.00	.04	100.00
Zone 3	.58	2.61	16.07	72.45	.73	3.29	4.80	21.64	22.18	100.00
Zone 5	-	-	.06	100.00	-	-	-	-	.06	100.00
Amhara	295.41	34.39	125.49	14.61	47.40	5.52	390.78	45.49	859.08	100.00
North Gondar	33.49	40.89	20.55	25.09	12.80	15.63	15.07	18.40	81.91	100.00
South Gondar	22.55	21.32	24.78	23.42	2.87	2.71	55.59	52.55	105.79	100.00
North Wollo	27.33	46.01	3.74	6.30	1.60	2.69	26.73	45.00	59.40	100.00
South Wollo	58.80	43.71	11.02	8.19	17.22	12.80	47.47	35.29	134.51	100.00
North Shoa	24.03	24.50	32.62	33.26	2.25	2.29	39.18	39.95	98.08	100.00
East Gojam	65.07	44.39	12.23	8.34	1.07	.73	68.21	46.53	146.58	100.00
West Gojam	41.82	23.71	16.49	9.35	7.00	3.97	111.10	62.98	176.41	100.00
Waghamera	1.81	20.66	.64	7.31	1.07	12.21	5.24	59.82	8.76	100.00
Agewawi	14.30	48.03	1.05	3.53	1.07	3.59	13.35	44.84	29.77	100.00
Oromia Zone	6.21	34.75	2.37	13.26	.45	2.52	8.84	49.47	17.87	100.00
Oromia	377.60	22.63	837.05	50.17	41.00	2.46	412.71	24.74	1,668.36	100.00
West Wellega	14.62	28.07	8.03	15.42	-	-	29.44	56.52	52.09	100.00
East Wellega	46.15	52.69	4.06	4.64	2.80	3.20	34.58	39.48	87.59	100.00
Illubabor	14.33	15.97	65.31	72.77	.53	.59	9.58	10.67	89.75	100.00
Jimma	41.31	16.57	162.53	65.21	3.98	1.60	41.43	16.62	249.25	100.00
West Shoa	52.37	15.06	238.43	68.56	6.25	1.80	50.72	14.58	347.77	100.00
North Shoa	8.02	13.86	22.66	39.17	2.29	3.96	24.88	43.01	57.85	100.00
East Shoa	41.13	34.56	46.88	39.39	6.17	5.18	24.84	20.87	119.02	100.00
Arsi	46.01	13.78	190.75	57.13	3.18	.95	93.93	28.13	333.87	100.00
West Hararghe	30.24	38.16	11.17	14.10	10.36	13.07	27.47	34.67	79.24	100.00
East Hararghe	34.26	31.56	35.40	32.61	2.85	2.63	36.06	33.21	108.57	100.00
Bale	21.10	20.99	51.64	51.36	2.26	2.25	25.54	25.40	100.54	100.00
Borena	28.06	65.53	.19	.44	.33	.77	14.24	33.26	42.82	100.00

TABLE 17.1.1 DISTRIBUTION OF HH HEADS' PRIMARY DESIRE TO INCREASE PRODUCTIVITY BY APPLYING ALTERNATIVE FARM INPUTS OTHER THAN FERTILIZER BY TYPE AND REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Regional and Zonal (cont.)

(IN '000)

REGION/ ZONE	ALTERNATIVE CHOICE OF FARM INPUTS									
	IMPROVED SEEDS	%	PESTICIDES AND INSEC-TICIDES	%	IMPROVED FARM IMP-LEMENTS	%	OTHERS	%	TOTAL	%
Somale	6.12	38.39	1.34	8.41	5.79	36.32	2.69	16.88	15.94	100.00
Shinele	.15	17.44	.01	1.16	.39	45.35	.31	36.05	.86	100.00
Jijiga	5.97	44.45	1.33	9.90	5.40	40.21	.73	5.44	13.43	100.00
Moyale	-	-	-	-	-	-	1.65	100.00	1.65	100.00
Benshangul-Gumuz	3.62	20.10	.60	3.33	.95	5.27	12.84	71.29	18.01	100.00
Metekel	3.24	32.56	.23	2.31	.77	7.74	5.71	57.39	9.95	100.00
Assosa	.35	4.65	.37	4.91	.18	2.39	6.63	88.05	7.53	100.00
Kemeshi	.03	5.66	-	-	-	-	.50	94.34	.53	100.00
SNNPR	281.71	33.77	241.25	28.92	77.16	9.25	233.99	28.05	834.11	100.00
Gurage	38.51	26.00	50.49	34.09	1.06	.72	58.03	39.19	148.09	100.00
Hadiya	42.13	26.42	92.37	57.93	14.50	9.09	10.44	6.55	159.44	100.00
Kembata Alaba T	28.79	26.46	54.83	50.39	2.46	2.26	22.74	20.90	108.82	100.00
Sidama	73.18	41.59	18.67	10.61	22.14	12.58	61.95	35.21	175.94	100.00
Gedio	11.50	33.16	.41	1.18	12.20	35.18	10.57	30.48	34.68	100.00
North Omo	79.98	49.33	8.37	5.16	16.72	10.31	57.07	35.20	162.14	100.00
South Omo	.74	84.09	-	-	-	-	.14	15.91	.88	100.00
Keficho-Shekich	2.96	14.27	12.29	59.26	2.15	10.37	3.34	16.10	20.74	100.00
Bench-Maji	2.12	28.19	.84	11.17	1.69	22.47	2.87	38.16	7.52	100.00
Yem Special	1.46	18.72	1.30	16.67	2.83	36.28	2.21	28.33	7.80	100.00
Amaro Special	.19	8.33	.11	4.82	1.12	49.12	.86	37.72	2.28	100.00
Burji Special	.05	2.81	1.51	84.83	.02	1.12	.20	11.24	1.78	100.00
Konso Special	-	-	-	-	.07	3.85	1.75	96.15	1.82	100.00
Derashe Special	.10	4.59	.06	2.75	.20	9.17	1.82	83.49	2.18	100.00
Gambela	1.41	35.43	.09	2.26	.17	4.27	2.31	58.04	3.98	100.00
Harari	2.40	42.78	.84	14.97	.74	13.19	1.63	29.06	5.61	100.00
Addis Ababa	.61	32.62	.90	48.13	.01	.53	.35	18.72	1.87	100.00
Dire Dawa	1.12	20.70	.53	9.80	.21	3.88	3.55	65.62	5.41	100.00
NATIONAL	1,115.71	29.33	1,302.86	34.25	201.39	5.29	1,184.10	31.13	3,804.06	100.00

TABLE 17.2 DISTRIBUTION OF HOUSEHOLD HEADS' SECONDARY DESIRE TO INCREASE PRODUCTIVITY BY APPLYING ALTERNATIVE FARM INPUTS OTHER THAN FERTILIZER BY TYPE AND REGION
FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

National

(IN '000)

REGION	ALTERNATIVE CHOICE OF FARM INPUTS									
	IMPROVED SEEDS	%	PESTICIDES AND INSEC-TICIDES	%	IMPROVED FARM IMP-LEMENTS	%	OTHERS	%	TOTAL	%
Tigray	33.41	17.03	96.41	49.14	34.41	17.54	31.95	16.29	196.18	100.00
Afar	.16	2.41	3.01	45.26	1.48	22.26	2.00	30.08	6.65	100.00
Amhara	65.58	19.61	160.07	47.86	81.51	24.37	27.31	8.17	334.47	100.00
Oromia	143.32	22.65	286.22	45.22	58.08	9.18	145.27	22.95	632.89	100.00
Somale	.59	8.06	5.76	78.69	.89	12.16	.08	1.09	7.32	100.00
Benshangul-Gumuz	.63	16.45	1.09	28.46	1.99	51.96	.12	3.13	3.83	100.00
SNNPR	76.94	21.87	172.05	48.91	72.47	20.60	30.31	8.62	351.77	100.00
Gambela	.11	30.56	.16	44.44	.09	25.00	-	-	.36	100.00
Harari	.53	16.41	2.06	63.78	.58	17.96	.06	1.86	3.23	100.00
Addis Ababa	.18	20.22	.52	58.43	-	-	.19	21.35	.89	100.00
Dire Dawa	.21	11.73	1.09	60.89	.33	18.44	.16	8.94	1.79	100.00
N A T I O N A L	321.66	20.90	728.44	47.32	251.83	16.36	237.45	15.43	1,539.38	100.00

TABLE 17.2.1 DISTRIBUTION OF HH HEADS' SECONDARY DESIRE TO INCREASE PRODUCTIVITY BY APPLYING ALTERNATIVE FARM INPUTS OTHER THAN FERTILIZER BY TYPE AND REGION
FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Regiona and Zonal

(IN '000)

REGION/ ZONE	ALTERNATIVE CHOICE OF FARM INPUTS									
	IMPROVED SEEDS	%	PESTICIDES AND INSEC-TICIDES	%	IMPROVED FARM IMP-LEMENTS	%	OTHERS	%	TOTAL	%
Tigray	33.41	17.03	96.41	49.14	34.41	17.54	31.97	16.29	196.20	100.00
West Tigray	2.72	8.09	23.00	68.41	1.86	5.53	6.04	17.97	33.62	100.00
Central Tigray	6.95	13.09	25.54	48.12	6.82	12.85	13.77	25.94	53.08	100.00
East Tigray	10.91	18.81	24.25	41.82	14.92	25.73	7.91	13.64	57.99	100.00
South Tigray	12.83	24.91	23.62	45.86	10.81	20.99	4.25	8.25	51.51	100.00
Afar	.16	2.41	3.01	45.26	1.48	22.26	2.00	30.08	6.65	100.00
Zone 1	-	-	-	-	-	-	-	-	-	-
Zone 3	.16	2.41	3.01	45.26	1.48	22.26	2.00	30.08	6.65	100.00
Zone 5	-	-	-	-	-	-	-	-	-	-
Amhara	65.58	19.61	160.09	47.86	81.50	24.37	27.31	8.16	334.48	100.00
North Gondar	10.67	19.07	16.64	29.74	23.69	42.34	4.95	8.85	55.95	100.00
South Gondar	3.77	9.98	21.11	55.89	9.23	24.44	3.66	9.69	37.77	100.00
North Wollo	2.79	10.16	10.87	39.60	9.04	32.93	4.75	17.30	27.45	100.00
South Wollo	10.07	18.34	23.76	43.26	16.07	29.26	5.02	9.14	54.92	100.00
North Shoa	4.96	17.71	15.59	55.68	6.62	23.64	.83	2.96	28.00	100.00
East Gojam	15.14	24.65	39.55	64.39	5.41	8.81	1.32	2.15	61.42	100.00
West Gojam	14.98	29.30	23.91	46.76	7.86	15.37	4.38	8.57	51.13	100.00
Waghamera	.60	18.52	1.57	48.46	.97	29.94	.10	3.09	3.24	100.00
Agewawi	1.00	10.20	5.85	59.69	.88	8.98	2.07	21.12	9.80	100.00
Oromia Zone	1.60	33.33	1.24	25.83	1.73	36.04	.23	4.79	4.80	100.00
Oromia	143.31	22.64	286.23	45.23	58.08	9.18	145.26	22.95	632.88	100.00
West Wellega	1.51	18.60	5.38	66.26	-	-	1.23	15.15	8.12	100.00
East Wellega	1.79	5.77	24.80	79.95	2.24	7.22	2.19	7.06	31.02	100.00
Illubabor	13.21	41.99	8.56	27.21	1.63	5.18	8.06	25.62	31.46	100.00
Jimma	9.91	13.26	36.05	48.22	11.49	15.37	17.31	23.15	74.76	100.00
West Shoa	39.60	37.43	36.83	34.81	2.88	2.72	26.49	25.04	105.80	100.00
North Shoa	2.63	12.83	9.59	46.78	.57	2.78	7.71	37.61	20.50	100.00
East Shoa	20.72	27.38	47.85	63.23	2.54	3.36	4.57	6.04	75.68	100.00
Arsi	36.88	25.66	43.33	30.15	17.35	12.07	46.14	32.11	143.70	100.00
West Hararghe	5.30	14.88	14.94	41.95	7.22	20.28	8.15	22.89	35.61	100.00
East Hararghe	5.15	12.38	22.22	53.41	5.37	12.91	8.86	21.30	41.60	100.00
Bale	6.61	13.23	23.38	46.81	5.87	11.75	14.09	28.21	49.95	100.00
Borena	-	-	13.30	90.60	.92	6.27	.46	3.13	14.68	100.00

TABLE 17.2.1 DISTRIBUTION OF HH HEADS' SECONDARY DESIRE TO INCREASE PRODUCTIVITY BY APPLYING ALTERNATIVE FARM INPUTS OTHER THAN FERTILIZER BY TYPE AND REGION
FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Regional and Zonal (cont.)

(IN '000)

REGION/ ZONE	ALTERNATIVE CHOICE OF FARM INPUTS									
	IMPROVED SEEDS	%	PESTICIDES AND INSEC-TICIDES	%	IMPROVED FARM IMP-LEMENTS	%	OTHERS	%	TOTAL	%
Somale	.59	8.06	5.76	78.69	.89	12.16	.08	1.09	7.32	100.00
Shinele	-	-	.09	52.94	-	-	.08	47.06	.17	100.00
Jijiga	.59	8.25	5.67	79.30	.89	12.45	-	-	7.15	100.00
Moyale	-	-	-	-	-	-	-	-	-	-
Benshangul-Gumuz	.62	16.23	1.09	28.53	1.99	52.09	.12	3.14	3.82	100.00
Metekel	.54	16.07	.89	26.49	1.81	53.87	.12	3.57	3.36	100.00
Assosa	.08	18.60	.17	39.53	.18	41.86	-	-	.43	100.00
Kemeshi	-	-	.03	100.00	-	-	-	-	.03	100.00
SNNPR	76.94	21.87	172.06	48.91	72.46	20.60	30.33	8.62	351.79	100.00
Gurage	3.55	10.20	19.49	56.02	1.73	4.97	10.02	28.80	34.79	100.00
Hadiya	28.69	33.78	41.06	48.35	9.31	10.96	5.86	6.90	84.92	100.00
Kembata Alaba T	7.65	15.17	28.34	56.21	10.39	20.61	4.04	8.01	50.42	100.00
Sidama	16.30	29.90	21.88	40.14	15.21	27.90	1.12	2.05	54.51	100.00
Gedio	5.62	34.52	5.69	34.95	4.31	26.47	.66	4.05	16.28	100.00
North Omo	10.78	10.84	51.80	52.08	29.47	29.63	7.42	7.46	99.47	100.00
South Omo	-	-	-	-	-	-	.11	100.00	.11	100.00
Keficho-Shekich	2.03	56.70	1.20	33.52	-	-	.35	9.78	3.58	100.00
Bench-Maji	-	-	.68	50.37	.67	49.63	-	-	1.35	100.00
Yem Special	1.50	35.97	1.63	39.09	.97	23.26	.07	1.68	4.17	100.00
Amaro Special	.75	37.50	.17	8.50	.40	20.00	.68	34.00	2.00	100.00
Burji Special	-	-	.02	100.00	-	-	-	-	.02	100.00
Konso Special	.07	100.00	-	-	-	-	-	-	.07	100.00
Derashe Special	-	-	.10	100.00	-	-	-	-	.10	100.00
Gambela	.11	30.56	.16	44.44	.09	25.00	-	-	.36	100.00
Harari	.53	16.41	2.06	63.78	.58	17.96	.06	1.86	3.23	100.00
Addis Ababa	.18	20.22	.52	58.43	-	-	.19	21.35	.89	100.00
Dire Dawa	.21	11.73	1.09	60.89	.33	18.44	.16	8.94	1.79	100.00
NATIONAL	321.64	20.89	728.48	47.32	251.81	16.36	237.48	15.43	1,539.41	100.00

TABLE 17.3 DISTRIBUTION OF HOUSEHOLD HEADS' THIRD DESIRE TO INCREASE PRODUCTIVITY BY APPLYING ALTERNATIVE FARM INPUTS OTHER THAN FERTILIZER BY TYPE AND REGION FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

National (IN '000)

REGION	ALTERNATIVE CHOICE OF FARM INPUTS									
	IMPROVED SEEDS	%	PESTICIDES AND INSEC-TICIDES	%	IMPROVED FARM IMP-LEMENTS	%	OTHERS	%	TOTAL	%
Tigray	14.51	18.92	25.11	32.74	27.39	35.72	9.68	12.62	76.69	100.00
Afar	.39	19.80	.16	8.12	.57	28.93	.85	43.15	1.97	100.00
Amhara	18.26	12.26	47.52	31.91	69.16	46.44	13.98	9.39	148.92	100.00
Oromia	23.96	10.68	37.91	16.90	120.90	53.91	41.50	18.50	224.27	100.00
Somale	.29	32.22	-	-	.61	67.78	-	-	.90	100.00
Benshangul-Gumuz	.28	15.05	1.21	65.05	.37	19.89	-	-	1.86	100.00
SNNPR	27.34	14.28	55.85	29.17	78.39	40.94	29.90	15.62	191.48	100.00
Gambela	.06	15.00	.26	65.00	.08	20.00	-	-	.40	100.00
Harari	.48	21.72	.80	36.20	.87	39.37	.06	2.71	2.21	100.00
Addis Ababa	.02	10.00	.01	5.00	.01	5.00	.16	80.00	.20	100.00
Dire Dawa	.11	9.48	.13	11.21	.85	73.28	.07	6.03	1.16	100.00
NATIONAL	85.70	13.18	168.96	25.99	299.20	46.03	96.20	14.80	650.06	100.00

TABLE 17.3.1 DISTRIBUTION OF HH HEADS' THIRD DESIRE TO INCREASE PRODUCTIVITY BY APPLYING ALTERNATIVE FARM INPUTS OTHER THAN FERTILIZER BY TYPE AND REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Regional and Zonal

(IN '000)

REGION/ ZONE	ALTERNATIVE CHOICE OF FARM INPUTS									
	IMPROVED SEEDS	%	PESTICIDES AND INSEC-TICIDES	%	IMPROVED FARM IMP-LEMENTS	%	OTHERS	%	TOTAL	%
Tigray	14.50	18.91	25.10	32.74	27.39	35.72	9.68	12.63	76.67	100.00
West Tigray	1.57	26.57	.53	8.97	2.32	39.26	1.49	25.21	5.91	100.00
Central Tigray	.96	6.65	1.88	13.03	7.46	51.70	4.13	28.62	14.43	100.00
East Tigray	9.09	27.75	11.39	34.77	10.62	32.42	1.66	5.07	32.76	100.00
South Tigray	2.88	12.22	11.30	47.94	6.99	29.66	2.40	10.18	23.57	100.00
Afar	.39	19.80	.16	8.12	.57	28.93	.85	43.15	1.97	100.00
Zone 1	-	-	-	-	-	-	-	-	-	-
Zone 3	.39	19.80	.16	8.12	.57	28.93	.85	43.15	1.97	100.00
Zone 5	-	-	-	-	-	-	-	-	-	-
Amhara	18.26	12.26	47.53	31.91	69.17	46.44	13.98	9.39	148.94	100.00
North Gondar	5.98	19.15	11.50	36.82	10.39	33.27	3.36	10.76	31.23	100.00
South Gondar	2.87	18.01	4.92	30.87	5.64	35.38	2.51	15.75	15.94	100.00
North Wollo	.41	10.22	1.47	36.66	.82	20.45	1.31	32.67	4.01	100.00
South Wollo	1.09	4.13	6.66	25.22	16.75	63.42	1.91	7.23	26.41	100.00
North Shoa	-	-	2.58	23.48	7.17	65.24	1.24	11.28	10.99	100.00
East Gojam	.48	3.30	3.57	24.54	8.17	56.15	2.33	16.01	14.55	100.00
West Gojam	5.77	17.07	14.66	43.36	12.44	36.79	.94	2.78	33.81	100.00
Waghamera	.73	23.17	1.21	38.41	.97	30.79	.24	7.62	3.15	100.00
Agewawi	.33	5.89	.33	5.89	4.94	88.21	-	-	5.60	100.00
Oromia Zone	.60	18.46	.63	19.38	1.88	57.85	.14	4.31	3.25	100.00
Oromia	23.97	10.69	37.90	16.90	120.90	53.91	41.50	18.50	224.27	100.00
West Wellega	-	-	-	-	1.05	100.00	-	-	1.05	100.00
East Wellega	-	-	1.62	17.61	6.64	72.17	.94	10.22	9.20	100.00
Illubabor	1.24	23.31	.26	4.89	3.58	67.29	.24	4.51	5.32	100.00
Jimma	7.96	27.17	1.87	6.38	17.33	59.15	2.14	7.30	29.30	100.00
West Shoa	.31	1.02	3.50	11.55	13.06	43.09	13.44	44.34	30.31	100.00
North Shoa	1.15	19.86	2.19	37.82	1.59	27.46	.86	14.85	5.79	100.00
East Shoa	2.56	10.36	5.40	21.85	13.41	54.27	3.34	13.52	24.71	100.00
Arsi	5.65	10.07	11.52	20.53	27.08	48.26	11.86	21.14	56.11	100.00
West Hararghe	2.81	13.63	5.31	25.75	11.37	55.14	1.13	5.48	20.62	100.00
East Hararghe	.77	5.91	1.60	12.29	4.48	34.41	6.17	47.39	13.02	100.00
Bale	1.52	9.47	4.63	28.85	8.52	53.08	1.38	8.60	16.05	100.00
Borena	-	-	-	-	12.79	100.00	-	-	12.79	100.00

TABLE 17.3.1 DISTRIBUTION OF HH HEADS' THIRD DESIRE TO INCREASE PRODUCTIVITY BY APPLYING ALTERNATIVE FARM INPUTS OTHER THAN FERTILIZER BY TYPE AND REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Regional and Zonal (cont.)

(IN '000)

REGION/ ZONE	ALTERNATIVE CHOICE OF FARM INPUTS									
	IMPROVED SEEDS	%	PESTICIDES AND INSEC-TICIDES	%	IMPROVED FARM IMP-LEMENTS	%	OTHERS	%	TOTAL	%
Somale	.29	32.22	-	-	.61	67.78	-	-	.90	100.00
Shinele	-	-	-	-	.02	100.00	-	-	.02	100.00
Jijiga	.29	32.95	-	-	.59	67.05	-	-	.88	100.00
Moyale	-	-	-	-	-	-	-	-	-	-
Benshangul-Gumuz	.28	14.97	1.21	64.71	.38	20.32	-	-	1.87	100.00
Metekel	.28	15.73	1.21	67.98	.29	16.29	-	-	1.78	100.00
Assosa	-	-	-	-	.09	100.00	-	-	.09	100.00
Kemeshi	-	-	-	-	-	-	-	-	-	-
SNNPR	27.36	14.29	55.85	29.16	78.40	40.94	29.89	15.61	191.50	100.00
Gurage	-	-	2.92	16.40	13.82	77.60	1.07	6.01	17.81	100.00
Hadiya	2.14	6.14	13.05	37.47	17.90	51.39	1.74	5.00	34.83	100.00
Kembata Alaba T	9.72	46.62	4.24	20.34	5.52	26.47	1.37	6.57	20.85	100.00
Sidama	4.26	12.21	13.90	39.85	14.49	41.54	2.23	6.39	34.88	100.00
Gedio	3.09	37.32	3.75	45.29	1.29	15.58	.15	1.81	8.28	100.00
North Omo	6.86	9.72	16.56	23.46	23.95	33.92	23.23	32.90	70.60	100.00
South Omo	-	-	-	-	-	-	-	-	-	-
Keficho-Shekich	-	-	-	-	.22	100.00	-	-	.22	100.00
Bench-Maji	.11	47.83	-	-	.12	52.17	-	-	.23	100.00
Yem Special	.98	35.38	1.08	38.99	.61	22.02	.10	3.61	2.77	100.00
Amaro Special	.20	21.05	.28	29.47	.47	49.47	-	-	.95	100.00
Burji Special	-	-	-	-	.01	100.00	-	-	.01	100.00
Konso Special	-	-	.07	100.00	-	-	-	-	.07	100.00
Derashe Special	-	-	-	-	-	-	-	-	-	-
Gambela	.06	15.00	.26	65.00	.08	20.00	-	-	.40	100.00
Harari	.48	21.72	.80	36.20	.87	39.37	.06	2.71	2.21	100.00
Addis Ababa	.02	10.00	.01	5.00	.01	5.00	.16	80.00	.20	100.00
Dire Dawa	.11	9.48	.13	11.21	.85	73.28	.07	6.03	1.16	100.00
NATIONAL	85.72	13.19	168.95	25.99	299.23	46.03	96.19	14.80	650.09	100.00

Section 18. Distribution of Households by Their Opinion on the Priority of Crop Type to Apply Fertilizer in 1996/97 (1989 E.C.)

In the survey, households were asked to prioritize the crop type by order of importance for applying fertilizer on those chosen crops.

Based on the results of the survey, about 3,117.69 thousand households report the selected cereal crops and others that are indicated in Summary Table .....) as their first priority (choice) for applying fertilizer. While 3,097.90 and 3,081.57 thousand households reported the mentioned crops as their second and third priorities (choices) for applying fertilizer respectively (for details see Summary Table P).

Summary Table P . Distribution of Households Opinion by Priority of Crop Type to Apply Fertilizer

Crop Type	Households Reporting Use of Fertilizer by Crop Choice					
	First	%	Second	%	Third	%
Teff	355.90	11.42	282.12	9.11	152.54	4.95
Wheat	532.59	17.08	285.60	9.22	95.24	3.09
Barley	76.23	2.45	155.41	5.02	42.59	1.38
Maize	11.48	0.37	15.50	0.50	25.61	0.83
Sorghum	2.02	0.06	0.51	0.02	-	-
Others	2,139.47	68.62	2,358.80	76.14	2,765.59	89.75
Total	3,117.69	100	3,097.94	100	3,081.57	100

TABLE 18.1 DISTRIBUTION OF HOUSEHOLDS REPORTING USE OF FERTILIZER BY FIRST CROP CHOICE AND REGION FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

National (IN '000)

REGION	CROP TYPE												TOTAL	
	TEFF		WHEAT		BARLEY		MAIZE		SORGHUM		OTHERS			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Tigray	31.63	16.45	17.40	9.05	4.90	2.55	1.10	.57	-	-	137.28	71.38	192.31	100.00
Afar	.19	25.00	-	-	-	-	.11	14.47	-	-	.46	60.53	.76	100.00
Amhara	72.14	10.11	65.20	9.14	40.12	5.63	1.19	.17	-	-	534.56	74.95	713.21	100.00
Oromia	198.15	13.67	203.73	14.06	21.00	1.45	5.01	.35	.82	.06	1,020.46	70.42	1,449.17	100.00
Somale	-	-	2.14	85.60	-	-	.09	3.60	-	-	.27	10.80	2.50	100.00
Benshangul-Gumuz	-	-	.35	6.97	-	-	.03	.60	-	-	4.64	92.43	5.02	100.00
SNNPR	53.62	7.22	239.82	32.28	10.20	1.37	3.81	.51	1.01	.14	434.56	58.49	743.02	100.00
Gambela	-	-	1.32	87.42	-	-	.05	3.31	.04	2.65	.10	6.62	1.51	100.00
Harari	.03	.52	2.60	44.98	-	-	.09	1.56	.02	.35	3.04	52.60	5.78	100.00
Addis Ababa	.14	3.83	-	-	.01	.27	-	-	-	-	3.51	95.90	3.66	100.00
Dire Dawa	-	-	.03	4.00	-	-	-	-	.13	17.33	.59	78.67	.75	100.00
NATIONAL	355.90	11.42	532.59	17.08	76.23	2.45	11.48	.37	2.02	.06	2,139.47	68.62	3,117.69	100.00

TABLE 18.1.1 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY FIRST CROP CHOICE AND REGION
FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Regional and Zonal

REGION/ ZONE	CROP TYPE												TOTAL	
	TEFF		WHEAT		BARLEY		MAIZE		SORGHUM		OTHERS			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Tigray	31.62	16.44	17.40	9.05	4.90	2.55	1.10	.57	-	-	137.28	71.39	192.30	100.00
West Tigray	.40	.74	10.28	19.11	4.18	7.77	.55	1.02	-	-	38.37	71.35	53.78	100.00
Central Tigray	6.84	10.59	3.85	5.96	.30	.46	-	-	-	-	53.58	82.98	64.57	100.00
East Tigray	14.15	52.64	.34	1.26	-	-	-	-	-	-	12.39	46.09	26.88	100.00
South Tigray	10.23	21.73	2.93	6.22	.42	.89	.55	1.17	-	-	32.94	69.98	47.07	100.00
Afar	.19	25.00	-	-	-	-	.11	14.47	-	-	.46	60.53	.76	100.00
Zone 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zone 3	.19	25.00	-	-	-	-	.11	14.47	-	-	.46	60.53	.76	100.00
Zone 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amhara	72.15	10.12	65.20	9.14	40.13	5.63	1.19	.17	-	-	534.57	74.95	713.24	100.00
North Gondar	20.55	29.49	.37	.53	1.57	2.25	-	-	-	-	47.20	67.73	69.69	100.00
South Gondar	4.05	4.88	2.58	3.11	7.89	9.50	-	-	-	-	68.54	82.52	83.06	100.00
North Wollo	3.78	13.81	1.37	5.01	.79	2.89	-	-	-	-	21.43	78.30	27.37	100.00
South Wollo	1.81	5.97	1.11	3.66	-	-	-	-	-	-	27.39	90.37	30.31	100.00
North Shoa	14.47	19.62	2.03	2.75	-	-	-	-	-	-	57.25	77.63	73.75	100.00
East Gojam	10.64	5.81	3.57	1.95	-	-	-	-	-	-	168.91	92.24	183.12	100.00
West Gojam	6.43	3.39	51.06	26.94	14.91	7.87	1.19	.63	-	-	115.96	61.18	189.55	100.00
Waghamera	-	-	-	-	-	-	-	-	-	-	.60	100.00	.60	100.00
Agewawi	10.42	19.36	3.11	5.78	14.97	27.82	-	-	-	-	25.31	47.04	53.81	100.00
Oromia Zone	-	-	-	-	-	-	-	-	-	-	1.98	100.00	1.98	100.00
Oromia	198.15	13.67	203.74	14.06	21.01	1.45	5.01	.35	.82	.06	1,020.46	70.42	1,449.19	100.00
West Wellega	.41	.59	6.96	9.93	9.49	13.55	-	-	-	-	53.20	75.93	70.06	100.00
East Wellega	6.90	5.89	26.29	22.43	1.20	1.02	.26	.22	-	-	82.58	70.44	117.23	100.00
Illubabor	.21	.33	11.70	18.63	-	-	.21	.33	-	-	50.67	80.70	62.79	100.00
Jimma	8.87	5.39	15.38	9.35	-	-	-	-	-	-	140.30	85.26	164.55	100.00
West Shoa	47.10	15.59	11.87	3.93	1.98	.66	-	-	-	-	241.21	79.83	302.16	100.00
North Shoa	2.69	3.96	-	-	1.25	1.84	-	-	-	-	64.07	94.21	68.01	100.00
East Shoa	8.65	5.45	30.33	19.12	-	-	.43	.27	-	-	119.22	75.16	158.63	100.00
Arsi	108.10	34.80	42.15	13.57	5.58	1.80	.62	.20	-	-	154.22	49.64	310.67	100.00
West Hararghe	-	-	17.94	57.28	-	-	.37	1.18	.36	1.15	12.65	40.39	31.32	100.00
East Hararghe	-	-	30.11	38.82	-	-	3.12	4.02	.46	.59	43.88	56.57	77.57	100.00
Bale	15.22	19.86	4.44	5.79	1.51	1.97	-	-	-	-	55.46	72.37	76.63	100.00
Borena	-		6.57	68.65	-	-	-	-	-	-	3.00	31.35	9.57	100.00

TABLE 18.1.1 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY FIRST CROP CHOICE AND REGION FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Regional and Zonal (cont.)

REGION/ ZONE	CROP TYPE												TOTAL	
	TEFF		WHEAT		BARLEY		MAIZE		SORGHUM		OTHERS			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Somale	-	-	2.14	85.60	-	-	.09	3.60	-	-	.27	10.80	2.50	100.00
Shinele	-	-	.10	52.63	-	-	.09	47.37	-	-	-	-	.19	100.00
Jijiga	-	-	2.04	88.31	-	-	-	-	-	-	.27	11.69	2.31	100.00
Moyale	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benshangul-Gumuz	-	-	.35	6.97	-	-	.03	.60	-	-	4.64	92.43	5.02	100.00
Metekel	-	-	.18	4.57	-	-	-	-	-	-	3.76	95.43	3.94	100.00
Assosa	-	-	.17	16.35	-	-	-	-	-	-	.87	83.65	1.04	100.00
Kemeshi	-	-	-	-	-	-	.03	75.00	-	-	.01	25.00	.04	100.00
SNNPR	53.64	7.22	239.81	32.27	10.20	1.37	3.82	.51	1.01	.14	434.56	58.48	743.04	100.00
Gurage	42.53	25.98	19.85	12.12	9.86	6.02	-	-	-	-	91.48	55.88	163.72	100.00
Hadiya	3.59	2.22	21.73	13.44	-	-	-	-	-	-	136.38	84.34	161.70	100.00
Kembata Alaba T	2.70	2.38	29.88	26.31	.22	.19	-	-	-	-	80.76	71.12	113.56	100.00
Sidama	.56	.43	103.39	79.06	-	-	.44	.34	-	-	26.39	20.18	130.78	100.00
Gedio	.69	11.31	2.76	45.25	-	-	-	-	-	-	2.65	43.44	6.10	100.00
North Omo	3.09	2.13	54.19	37.33	-	-	3.23	2.23	.94	.65	83.70	57.66	145.15	100.00
South Omo	-	-	.50	81.97	-	-	-	-	-	-	.11	18.03	.61	100.00
Keficho-Shekich	-	-	2.89	71.18	-	-	.15	3.69	-	-	1.02	25.12	4.06	100.00
Bench-Maji	-	-	1.46	63.20	-	-	-	-	-	-	.85	36.80	2.31	100.00
Yem Special	.17	1.72	.10	1.01	-	-	-	-	-	-	9.61	97.27	9.88	100.00
Amaro Special	.18	25.00	.03	4.17	-	-	-	-	-	-	.51	70.83	.72	100.00
Burji Special	.06	7.32	.03	3.66	-	-	-	-	-	-	.73	89.02	.82	100.00
Konso Special	.07	1.95	3.00	83.57	.12	3.34	-	-	.07	1.95	.33	9.19	3.59	100.00
Derashe Special	-	-	-	-	-	-	-	-	-	-	.04	100.00	.04	100.00
Gambela	-	-	1.32	87.42	-	-	.05	3.31	.04	2.65	.10	6.62	1.51	100.00
Harari	.03	.52	2.60	44.98	-	-	.09	1.56	.02	.35	3.04	52.60	5.78	100.00
Addis Ababa	.14	3.83	-	-	.01	.27	-	-	-	-	3.51	95.90	3.66	100.00
Dire Dawa	-	-	.03	4.00	-	-	-	-	.13	17.33	.59	78.67	.75	100.00
NATIONAL	355.92	11.42	532.59	17.08	76.25	2.45	11.49	.37	2.02	.06	2,139.48	68.62	3,117.75	100.00

TABLE 18.2 DISTRIBUTION OF HOUSEHOLDS REPORTING USE OF FERTILIZER BY SECOND CROP CHOICE AND REGION
FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

National (IN '000)

REGION	CROP TYPE												TOTAL	
	TEFF		WHEAT		BARLEY		MAIZE		SORGHUM		OTHERS			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Tigray	17.15	8.91	10.29	5.35	7.32	3.80	.29	.15	.14	.07	157.23	81.71	192.42	100.00
Afar	-	-	.08	10.67	-	-	.11	14.67	.19	25.33	.37	49.33	.75	100.00
Amhara	55.50	7.83	39.38	5.56	103.92	14.67	.45	.06	-	-	509.30	71.88	708.55	100.00
Oromia	157.30	10.91	133.96	9.29	41.28	2.86	13.45	.93	-	-	1,095.45	76.00	1,441.44	100.00
Somale	-	-	.15	6.07	-	-	-	-	-	-	2.32	93.93	2.47	100.00
Benshangul-Gumuz	.71	14.26	.39	7.83	.12	2.41	-	-	-	-	3.76	75.50	4.98	100.00
SNNPR	51.31	6.98	99.25	13.49	2.77	.38	1.18	.16	.07	.01	581.01	78.99	735.59	100.00
Gambela	-	-	-	-	-	-	-	-	-	-	1.52	100.00	1.52	100.00
Harari	.11	1.91	1.87	32.52	-	-	.02	.35	.11	1.91	3.64	63.30	5.75	100.00
Addis Ababa	.04	1.09	.07	1.91	-	-	-	-	-	-	3.56	97.00	3.67	100.00
Dire Dawa	-	-	.16	20.00	-	-	-	-	-	-	.64	80.00	.80	100.00
NATIONAL	282.12	9.11	285.60	9.22	155.41	5.02	15.50	.50	.51	.02	2,358.80	76.14	3,097.94	100.00

TABLE 18.2.1 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY SECOND CROP CHOICE AND REGION FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Regional and Zonal

REGION/ ZONE	CROP TYPE												TOTAL	
	TEFF		WHEAT		BARLEY		MAIZE		SORGHUM		OTHERS			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Tigray	17.14	8.91	10.28	5.34	7.32	3.80	.29	.15	.14	.07	157.24	81.72	192.41	100.00
West Tigray	.50	.93	4.34	8.05	5.75	10.67	-	-	.14	.26	43.16	80.09	53.89	100.00
Central Tigray	4.53	7.02	1.91	2.96	1.01	1.56	.29	.45	-	-	56.83	88.01	64.57	100.00
East Tigray	8.08	30.42	.53	2.00	.56	2.11	-	-	-	-	17.39	65.47	26.56	100.00
South Tigray	4.03	8.50	3.50	7.39	-	-	-	-	-	-	39.86	84.11	47.39	100.00
Afar	-	-	.08	10.67	-	-	.11	14.67	.19	25.33	.37	49.33	.75	100.00
Zone 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zone 3	-	-	.08	10.67	-	-	.11	14.67	.19	25.33	.37	49.33	.75	100.00
Zone 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amhara	55.51	7.83	39.38	5.56	103.91	14.67	.45	.06	-	-	509.29	71.88	708.54	100.00
North Gondar	3.78	5.42	.57	.82	19.95	28.63	-	-	-	-	45.38	65.13	69.68	100.00
South Gondar	1.02	1.27	5.39	6.70	14.97	18.61	-	-	-	-	59.08	73.43	80.46	100.00
North Wollo	1.67	6.02	2.23	8.04	-	-	-	-	-	-	23.83	85.94	27.73	100.00
South Wollo	.58	1.91	-	-	-	-	-	-	-	-	29.72	98.09	30.30	100.00
North Shoa	1.27	1.91	1.64	2.46	-	-	-	-	-	-	63.70	95.63	66.61	100.00
East Gojam	9.55	5.21	6.83	3.73	-	-	-	-	-	-	166.75	91.06	183.13	100.00
West Gojam	28.62	15.06	21.31	11.21	61.23	32.21	.45	.24	-	-	78.46	41.28	190.07	100.00
Waghamera	.12	16.67	.12	16.67	-	-	-	-	-	-	.48	66.67	.72	100.00
Agewawi	8.90	15.38	1.12	1.94	7.76	13.41	-	-	-	-	40.08	69.27	57.86	100.00
Oromia Zone	-	-	.17	8.59	-	-	-	-	-	-	1.81	91.41	1.98	100.00
Oromia	157.31	10.91	133.97	9.29	41.27	2.86	13.44	.93	-	-	1,095.45	76.00	1,441.44	100.00
West Wellega	.40	.57	9.32	13.38	5.35	7.68	-	-	-	-	54.60	78.37	69.67	100.00
East Wellega	4.82	4.11	9.70	8.27	11.03	9.41	1.47	1.25	-	-	90.21	76.95	117.23	100.00
Illubabor	.21	.33	3.67	5.82	-	-	-	-	-	-	59.15	93.84	63.03	100.00
Jimma	2.84	1.72	57.77	35.02	-	-	-	-	-	-	104.37	63.26	164.98	100.00
West Shoa	29.79	9.86	4.84	1.60	-	-	.60	.20	-	-	266.93	88.34	302.16	100.00
North Shoa	2.39	3.51	.31	.46	-	-	-	-	-	-	65.31	96.03	68.01	100.00
East Shoa	8.16	5.16	17.96	11.35	-	-	-	-	-	-	132.14	83.50	158.26	100.00
Arsi	71.77	23.10	6.85	2.20	23.42	7.54	6.06	1.95	-	-	202.56	65.20	310.66	100.00
West Hararghe	-	-	8.05	33.51	-	-	-	-	-	-	15.97	66.49	24.02	100.00
East Hararghe	2.12	2.73	14.33	18.47	-	-	2.02	2.60	-	-	59.10	76.19	77.57	100.00
Bale	33.32	43.69	1.17	1.53	1.47	1.93	3.29	4.31	-	-	37.02	48.54	76.27	100.00
Borena	1.49	15.55	-	-	-	-	-	-	-	-	8.09	84.45	9.58	100.00

TABLE 18.2.1 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY SECOND CROP CHOICE AND REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Regional and Zonal (cont.)

REGION/ ZONE	CROP TYPE												TOTAL	
	TEFF		WHEAT		BARLEY		MAIZE		SORGHUM		OTHERS			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Somale	-	-	.15	6.07	-	-	-	-	-	-	2.32	93.93	2.47	100.00
Shinele	-	-	-	-	-	-	-	-	-	-	.16	100.00	.16	100.00
Jijiga	-	-	.15	6.49	-	-	-	-	-	-	2.16	93.51	2.31	100.00
Moyale	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benshangul-Gumuz	.71	14.26	.39	7.83	.12	2.41	-	-	-	-	3.76	75.50	4.98	100.00
Metekel	.71	18.25	.22	5.66	.12	3.08	-	-	-	-	2.84	73.01	3.89	100.00
Assosa	-	-	.17	16.19	-	-	-	-	-	-	.88	83.81	1.05	100.00
Kemeshi	-	-	-	-	-	-	-	-	-	-	.04	100.00	.04	100.00
SNNPR	51.31	6.98	99.25	13.49	2.78	.38	1.18	.16	.07	.01	581.00	78.98	735.59	100.00
Gurage	23.31	14.56	6.37	3.98	-	-	-	-	-	-	130.39	81.46	160.07	100.00
Hadiya	16.31	10.03	25.19	15.49	.25	.15	-	-	-	-	120.89	74.33	162.64	100.00
Kembata Alaba T	7.07	6.23	25.80	22.72	1.55	1.36	-	-	-	-	79.14	69.69	113.56	100.00
Sidama	.47	.36	7.89	6.03	-	-	-	-	-	-	122.59	93.62	130.95	100.00
Gedio	.56	8.92	.60	9.55	-	-	.17	2.71	-	-	4.95	78.82	6.28	100.00
North Omo	2.79	1.97	29.76	21.01	.94	.66	.94	.66	-	-	107.25	75.70	141.68	100.00
South Omo	-	-	.11	18.03	-	-	-	-	-	-	.50	81.97	.61	100.00
Keficho-Shekich	.15	3.69	.21	5.17	-	-	-	-	-	-	3.70	91.13	4.06	100.00
Bench-Maji	-	-	-	-	-	-	-	-	-	-	2.21	100.00	2.21	100.00
Yem Special	.52	5.28	1.45	14.72	.04	.41	-	-	-	-	7.84	79.59	9.85	100.00
Amaro Special	.06	8.22	.15	20.55	-	-	-	-	-	-	.52	71.23	.73	100.00
Burji Special	.07	8.54	.17	20.73	-	-	-	-	-	-	.58	70.73	.82	100.00
Konso Special	-	-	1.55	74.16	-	-	.07	3.35	.07	3.35	.40	19.14	2.09	100.00
Derashe Special	-	-	-	-	-	-	-	-	-	-	.04	100.00	.04	100.00
Gambela	-	-	-	-	-	-	-	-	-	-	1.52	100.00	1.52	100.00
Harari	.11	1.91	1.87	32.52	-	-	.02	.35	.11	1.91	3.64	63.30	5.75	100.00
Addis Ababa	.04	1.09	.07	1.91	-	-	-	-	-	-	3.56	97.00	3.67	100.00
Dire Dawa	-	-	.16	20.00	-	-	-	-	-	-	.64	80.00	.80	100.00
NATIONAL	282.13	9.11	285.60	9.22	155.40	5.02	15.49	.50	.51	.02	2,358.79	76.14	3,097.92	100.00

TABLE 18.3 DISTRIBUTION OF HOUSEHOLDS REPORTING USE OF FERTILIZER BY THIRD CROP CHOICE AND REGION
FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

National

(IN '000)

REGION	CROP TYPE												TOTAL	
	TEFF		WHEAT		BARLEY		MAIZE		SORGHUM		OTHERS			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Tigray	2.46	1.28	2.47	1.29	2.10	1.10	.14	.07	-	-	184.29	96.26	191.46	100.00
Afar	-	-	-	-	-	-	-	-	-	-	.46	100.00	.46	100.00
Amhara	49.16	6.99	38.66	5.50	28.15	4.00	.23	.03	-	-	586.89	83.47	703.09	100.00
Oromia	83.19	5.80	26.24	1.83	9.32	.65	25.19	1.76	-	-	1,291.27	89.97	1,435.21	100.00
Somale	-	-	-	-	-	-	-	-	-	-	2.47	100.00	2.47	100.00
Benshangul-Gumuz	.31	6.24	.35	7.04	-	-	-	-	-	-	4.31	86.72	4.97	100.00
SNNPR	17.31	2.36	27.27	3.72	3.02	.41	-	-	-	-	684.80	93.50	732.40	100.00
Gambela	-	-	-	-	-	-	-	-	-	-	1.52	100.00	1.52	100.00
Harari	.09	1.58	.25	4.40	-	-	.05	.88	-	-	5.29	93.13	5.68	100.00
Addis Ababa	.02	.55	-	-	-	-	-	-	-	-	3.64	99.45	3.66	100.00
Dire Dawa	-	-	-	-	-	-	-	-	-	-	.65	100.00	.65	100.00
NATIONAL	152.54	4.95	95.24	3.09	42.59	1.38	25.61	.83	-	-	2,765.59	89.75	3,081.57	100.00

TABLE 18.3.1 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY THIRD CROP CHOICE AND REGION
FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Regional and Zonal

REGION/ ZONE	CROP TYPE												TOTAL	
	TEFF		WHEAT		BARLEY		MAIZE		SORGHUM		OTHERS			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Tigray	2.47	1.29	2.46	1.28	2.09	1.09	.14	.07	-	-	184.29	96.26	191.45	100.00
West Tigray	.20	.37	.25	.47	1.50	2.81	.14	.26	-	-	51.30	96.09	53.39	100.00
Central Tigray	.30	.46	-	-	.35	.54	-	-	-	-	63.92	98.99	64.57	100.00
East Tigray	1.23	4.66	.31	1.18	-	-	-	-	-	-	24.83	94.16	26.37	100.00
South Tigray	.74	1.57	1.90	4.03	.24	.51	-	-	-	-	44.24	93.89	47.12	100.00
Afar	-	-	-	-	-	-	-	-	-	-	.46	100.00	.46	100.00
Zone 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zone 3	-	-	-	-	-	-	-	-	-	-	.46	100.00	.46	100.00
Zone 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amhara	49.15	6.99	38.67	5.50	28.15	4.00	.23	.03	-	-	586.89	83.47	703.09	100.00
North Gondar	-	-	4.92	7.06	3.57	5.12	-	-	-	-	61.19	87.82	69.68	100.00
South Gondar	8.30	10.37	6.62	8.27	3.56	4.45	-	-	-	-	61.54	76.91	80.02	100.00
North Wollo	.71	2.59	.33	1.21	-	-	-	-	-	-	26.33	96.20	27.37	100.00
South Wollo	-	-	-	-	-	-	-	-	-	-	30.30	100.00	30.30	100.00
North Shoa	7.53	11.30	-	-	-	-	-	-	-	-	59.08	88.70	66.61	100.00
East Gojam	13.37	7.28	7.33	3.99	-	-	-	-	-	-	162.86	88.72	183.56	100.00
West Gojam	18.36	9.66	18.07	9.51	19.68	10.35	-	-	-	-	133.95	70.48	190.06	100.00
Waghamera	-	-	-	-	-	-	-	-	-	-	.60	100.00	.60	100.00
Agewawi	.88	1.66	1.40	2.65	1.34	2.53	.23	.43	-	-	49.06	92.72	52.91	100.00
Oromia Zone	-	-	-	-	-	-	-	-	-	-	1.98	100.00	1.98	100.00
Oromia	83.19	5.80	26.24	1.83	9.32	.65	25.19	1.76	-	-	1,291.27	89.97	1,435.21	100.00
West Wellega	.43	.62	.85	1.22	.88	1.26	-	-	-	-	67.52	96.90	69.68	100.00
East Wellega	4.29	3.66	2.91	2.48	2.55	2.18	.32	.27	-	-	107.17	91.41	117.24	100.00
Illubabor	-	-	-	-	-	-	-	-	-	-	62.80	100.00	62.80	100.00
Jimma	2.71	1.65	-	-	.51	.31	-	-	-	-	160.79	98.04	164.01	100.00
West Shoa	25.50	8.44	.58	.19	1.22	.40	-	-	-	-	274.85	90.96	302.15	100.00
North Shoa	.30	.44	-	-	-	-	-	-	-	-	67.70	99.56	68.00	100.00
East Shoa	29.61	18.75	6.77	4.29	-	-	-	-	-	-	121.52	76.96	157.90	100.00
Arsi	18.61	5.99	10.11	3.25	4.16	1.34	12.41	3.99	-	-	265.38	85.42	310.67	100.00
West Hararghe	.36	1.86	-	-	-	-	-	-	-	-	18.99	98.14	19.35	100.00
East Hararghe	.37	.48	4.45	5.74	-	-	.78	1.01	-	-	71.96	92.78	77.56	100.00
Bale	1.01	1.32	.57	.75	-	-	11.68	15.31	-	-	63.02	82.62	76.28	100.00
Borena	-	-	-	-	-	-	-	-	-	-	9.57	100.00	9.57	100.00

TABLE 18.3.1 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY THIRD CROP CHOICE AND REGION FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Regional and Zonal (cont.)

REGION/ ZONE	CROP TYPE												TOTAL	
	TEFF		WHEAT		BARLEY		MAIZE		SORGHUM		OTHERS			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Somale	-	-	-	-	-	-	-	-	-	-	2.47	100.00	2.47	100.00
Shinele	-	-	-	-	-	-	-	-	-	-	.16	100.00	.16	100.00
Jijiga	-	-	-	-	-	-	-	-	-	-	2.31	100.00	2.31	100.00
Moyale	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benshangul-Gumuz	.31	6.24	.35	7.04	-	-	-	-	-	-	4.31	86.72	4.97	100.00
Metekel	.31	7.99	.35	9.02	-	-	-	-	-	-	3.22	82.99	3.88	100.00
Assosa	-	-	-	-	-	-	-	-	-	-	1.05	100.00	1.05	100.00
Kemeshi	-	-	-	-	-	-	-	-	-	-	.04	100.00	.04	100.00
SNNPR	17.30	2.36	27.27	3.72	3.01	.41	-	-	-	-	684.79	93.50	732.37	100.00
Gurage	1.04	.65	7.61	4.75	-	-	-	-	-	-	151.42	94.60	160.07	100.00
Hadiya	13.25	8.19	15.60	9.65	.22	.14	-	-	-	-	132.62	82.02	161.69	100.00
Kembata Alaba T	1.15	1.01	1.61	1.42	1.82	1.60	-	-	-	-	108.97	95.97	113.55	100.00
Sidama	.47	.36	.63	.48	-	-	-	-	-	-	129.22	99.16	130.32	100.00
Gedio	-	-	.42	6.89	-	-	-	-	-	-	5.68	93.11	6.10	100.00
North Omo	.67	.48	.94	.67	-	-	-	-	-	-	139.13	98.86	140.74	100.00
South Omo	-	-	-	-	-	-	-	-	-	-	.61	100.00	.61	100.00
Keficho-Shekich	-	-	-	-	-	-	-	-	-	-	4.06	100.00	4.06	100.00
Bench-Maji	-	-	-	-	-	-	-	-	-	-	2.21	100.00	2.21	100.00
Yem Special	.58	5.89	.36	3.65	-	-	-	-	-	-	8.91	90.46	9.85	100.00
Amaro Special	-	-	-	-	-	-	-	-	-	-	.73	100.00	.73	100.00
Burji Special	-	-	.03	3.66	-	-	-	-	-	-	.79	96.34	.82	100.00
Konso Special	.14	8.86	.07	4.43	.97	61.39	-	-	-	-	.40	25.32	1.58	100.00
Derashe Special	-	-	-	-	-	-	-	-	-	-	.04	100.00	.04	100.00
Gambela	-	-	-	-	-	-	-	-	-	-	1.52	100.00	1.52	100.00
Harari	.09	1.58	.25	4.40	-	-	.05	.88	-	-	5.29	93.13	5.68	100.00
Addis Ababa	.02	.55	-	-	-	-	-	-	-	-	3.64	99.45	3.66	100.00
Dire Dawa	-	-	-	-	-	-	-	-	-	-	.65	100.00	.65	100.00
NATIONAL	152.53	4.95	95.24	3.09	42.57	1.38	25.61	.83	-	-	2,765.58	89.75	3,081.53	100.00

Section 19. Distribution of Households Reporting Use of Fertilizer by Crop Type and Reason for Application

In the survey, attempts were made to investigate as to why households specifically apply fertilizer on their major cereal crops and Coffee. During the data collection period, households were asked to give their reasons for applying fertilizer by ranking for each crop type. For the households' convenience, three possible reasons for applying fertilizer were on these crops were given: "the crops used for own consuption", the crops give more yield" and "the crops are more profitables".

The survey result revealed that a total of 335.04, 275.28 and 150.11 thousand households reported, Teff was choosen as their first, second and third priorities to apply fertilizer, respectively, for the above given three reasons. (See Table 19.1).

Similarly, wheat was chosen by 508.31 thousand households as first priority to apply fertilizer out of which a great majority of households use this crop for own consumption. (See Table ble 19.1).

TABLE 19.1 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

National

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	190.13	133.81	11.10	335.04
	Second	126.32	129.81	19.15	275.28
	Third	60.85	78.30	10.96	150.11
Wheat	First	325.36	160.00	22.95	508.31
	Second	157.21	101.72	17.69	276.62
	Third	44.40	35.43	12.72	92.55
Barley	First	38.45	33.59	1.75	73.79
	Second	77.76	64.72	9.91	152.39
	Third	23.96	10.51	7.15	41.62
Maize	First	5.55	3.74	.98	10.27
	Second	9.94	3.76	1.51	15.21
	Third	15.38	7.13	3.09	25.60
Sorghum	First	2.00	.02	-	2.02
	Second	.36	.05	-	.41
	Third	-	-	-	-
Coffee	First	42.84	10.76	5.49	59.09
	Second	42.58	9.40	4.02	56.00
	Third	13.74	10.41	1.14	25.29

TABLE19.2 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Tigray

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	15.13	12.32	2.95	30.40
	Second	11.53	4.38	.47	16.38
	Third	1.53	.22	.71	2.46
Wheat	First	10.78	4.60	.41	15.79
	Second	6.18	3.25	.60	10.03
	Third	2.22	.25	-	2.47
Barley	First	3.56	1.20	-	4.76
	Second	6.62	.18	.52	7.32
	Third	1.13	.76	.21	2.10
Maize	First	.55	-	.18	.73
	Second	-	-	.29	.29
	Third	.14	-	-	.14
Sorghum	First	-	-	-	-
	Second	.14	-	-	.14
	Third	-	-	-	-
Coffee	First	9.69	1.06	.47	11.22
	Second	4.69	.37	.21	5.27
	Third	.82	-	-	.82

TABLE19.2.1 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

West Tigray Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	.40	-	-	.40
	Second	.25	-	-	.25
	Third	-	-	.20	.20
Wheat	First	6.80	2.97	-	9.77
	Second	1.37	2.72	-	4.09
	Third	-	.25	-	.25
Barley	First	3.14	.89	-	4.03
	Second	5.55	-	.20	5.75
	Third	.54	.76	.21	1.51
Maize	First	.55	-	-	.55
	Second	-	-	-	-
	Third	.14	-	-	.14
Sorghum	First	-	-	-	-
	Second	.14	-	-	.14
	Third	-	-	-	-
Coffee	First	5.57	-	-	5.57
	Second	3.85	-	.21	4.06
	Third	.21	-	-	.21

TABLE19.2.2 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASONFOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Central Tigray Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	2.04	2.87	1.25	6.16
	Second	2.46	1.43	.32	4.21
	Third	.30	-	-	.30
Wheat	First	2.89	.95	-	3.84
	Second	1.00	.31	.60	1.91
	Third	-	-	-	-
Barley	First	-	.30	-	.30
	Second	.69	-	.32	1.01
	Third	.35	-	-	.35
Maize	First	-	-	-	-
	Second	-	-	.29	.29
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	2.26	.37	-	2.63
	Second	.69	.37	-	1.06
	Third	.35	-	-	.35

TABLE19.2.3 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

East Tigray Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	4.09	8.44	1.07	13.60
	Second	5.01	2.73	.15	7.89
	Third	1.23	-	-	1.23
Wheat	First	.34	-	-	.34
	Second	.53	-	-	.53
	Third	.31	-	-	.31
Barley	First	-	-	-	-
	Second	.38	.18	-	.56
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	.15	-	-	.15
	Third	-	-	-	-

TABLE19.2.4 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

South Tigray Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	8.60	1.01	.63	10.24
	Second	3.81	.22	-	4.03
	Third	-	.22	.52	.74
Wheat	First	.74	.68	.41	1.83
	Second	3.28	.22	-	3.50
	Third	1.90	-	-	1.90
Barley	First	.42	-	-	.42
	Second	-	-	-	-
	Third	.24	-	-	.24
Maize	First	-	-	.18	.18
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	1.86	.69	.47	3.02
	Second	-	-	-	-
	Third	.26	-	-	.26

TABLE19.3 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Afar

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	.08	-	-	.08
	Second	-	-	-	-
	Third	-	-	-	-
Wheat	First	-	-	-	-
	Second	-	.08	-	.08
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	.08	-	-	.08
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-

TABLE19.3.1 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASONFOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Zone 3

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	.08	-	-	.08
	Second	-	-	-	-
	Third	-	-	-	-
Wheat	First	-	-	-	-
	Second	-	.08	-	.08
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	.08	-	-	.08
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-

TABLE 19.4 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Amhara

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	38.08	28.17	2.68	68.93
	Second	31.03	20.61	3.28	54.92
	Third	28.34	18.14	1.70	48.18
Wheat	First	30.58	22.74	8.11	61.43
	Second	24.55	11.01	3.00	38.56
	Third	24.56	10.30	3.12	37.98
Barley	First	16.91	19.84	1.75	38.50
	Second	61.74	33.41	6.54	101.69
	Third	17.68	3.86	5.92	27.46
Maize	First	-	.50	-	.50
	Second	-	-	.45	.45
	Third	-	.23	-	.23
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	2.75	1.09	-	3.84
	Second	2.34	1.07	.17	3.58
	Third	1.76	-	-	1.76

TABLE19.4.1 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASONFOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Gonder Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	6.89	12.52	1.14	20.55
	Second	.93	1.14	1.71	3.78
	Third	-	-	-	-
Wheat	First	.37	-	-	.37
	Second	-	.57	-	.57
	Third	1.71	2.07	1.14	4.92
Barley	First	-	1.57	-	1.57
	Second	8.00	11.39	.57	19.96
	Third	1.30	-	2.28	3.58
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	.59	1.09	-	1.68
	Second	.57	.57	-	1.14
	Third	.57	-	-	.57

TABLE19.4.2 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

South Gonder Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	3.55	.50	-	4.05
	Second	.54	.49	-	1.03
	Third	4.97	3.33	-	8.30
Wheat	First	1.03	.54	-	1.57
	Second	3.47	1.51	.41	5.39
	Third	5.11	1.10	.41	6.62
Barley	First	3.56	3.91	.41	7.88
	Second	10.67	3.89	.41	14.97
	Third	2.05	1.10	.41	3.56
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	.50	-	-	.50
	Second	.50	-	-	.50
	Third	.86	-	-	.86

TABLE 19.4.3 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Wolo Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	3.40	.38	-	3.78
	Second	.52	.38	.40	1.30
	Third	-	.36	-	.36
Wheat	First	.99	.38	-	1.37
	Second	1.85	.38	-	2.23
	Third	.33	-	-	.33
Barley	First	.41	.38	-	.79
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	.24	-	-	.24
	Second	-	-	-	-
	Third	.33	-	-	.33

TABLE19.4.4 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

South Wolo Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	1.18	.62	-	1.80
	Second	.58	-	-	.58
	Third	-	-	-	-
Wheat	First	1.11	-	-	1.11
	Second	-	-	-	-
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	.58	-	-	.58
	Third	-	-	-	-

TABLE 19.4.5 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Shewa Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	12.14	-	-	12.14
	Second	1.27	-	-	1.27
	Third	5.02	1.67	.84	7.53
Wheat	First	2.03	-	-	2.03
	Second	-	1.22	.42	1.64
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	.87	-	-	.87
	Second	-	-	-	-
	Third	-	-	-	-

TABLE 19.4.6 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

East Gojam Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	3.25	6.54	.86	10.65
	Second	4.23	4.89	.43	9.55
	Third	9.09	3.24	.42	12.75
Wheat	First	1.80	1.34	.43	3.57
	Second	3.02	3.38	.43	6.83
	Third	3.46	3.44	.43	7.33
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-

TABLE 19.4.7 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

West Gojam Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	4.64	1.33	.46	6.43
	Second	16.30	11.80	.52	28.62
	Third	9.04	8.88	.45	18.37
Wheat	First	20.83	20.47	7.69	48.99
	Second	16.00	3.28	1.34	20.62
	Third	13.96	2.29	1.14	17.39
Barley	First	7.13	5.05	1.34	13.52
	Second	37.60	16.50	5.56	59.66
	Third	13.23	2.54	3.23	19.00
Maize	First	-	.50	-	.50
	Second	-	-	.45	.45
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	.48	.50	-	.98
	Third	-	-	-	-

TABLE19.4.8 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Waghamera Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	-	-
	Second	.12	-	-	.12
	Third	-	-	-	-
Wheat	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-

TABLE 19.4.9 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Agewawia Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	3.03	6.28	.23	9.54
	Second	6.54	1.91	.23	8.68
	Third	.22	.66	-	.88
Wheat	First	2.43	-	-	2.43
	Second	.22	.67	.23	1.12
	Third	-	1.40	-	1.40
Barley	First	5.81	8.93	-	14.74
	Second	5.46	1.64	-	7.10
	Third	1.10	.23	-	1.33
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	.23	-	.23
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	.23	-	-	.23
	Second	.21	-	-	.21
	Third	-	-	-	-

TABLE 19.4.10 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Oromia Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Wheat	First	-	-	-	-
	Second	-	-	.17	.17
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	.33	-	-	.33
	Second	-	-	.17	.17
	Third	-	-	-	-

TABLE 19.5.4 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Jimma Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	7.76	.55	-	8.31
	Second	.55	1.11	1.18	2.84
	Third	.46	2.25	-	2.71
Wheat	First	10.79	4.06	-	14.85
	Second	36.09	18.30	-	54.39
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	.51	-	-	.51
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	.50	-	-	.50
	Third	-	1.16	-	1.16

TABLE 19.5.5 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

West Shewa Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	23.55	11.72	.49	35.76
	Second	8.69	17.64	.49	26.82
	Third	5.46	17.05	2.99	25.50
Wheat	First	8.89	2.38	-	11.27
	Second	3.72	1.12	-	4.84
	Third	.58	-	-	.58
Barley	First	1.98	-	-	1.98
	Second	-	-	-	-
	Third	-	1.22	-	1.22
Maize	First	-	-	-	-
	Second	-	.60	-	.60
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	-	-	-	-
	Third	.52	-	-	.52

TABLE 19.5.6 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Shewa Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	1.95	.74	-	2.69
	Second	1.79	.59	-	2.38
	Third	-	.30	-	.30
Wheat	First	-	-	-	-
	Second	.31	-	-	.31
	Third	-	-	-	-
Barley	First	1.25	-	-	1.25
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	.28	-	-	.28
	Third	.28	-	-	.28

TABLE 19.5.7 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

East Shewa Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	4.40	4.25	-	8.65
	Second	3.59	3.91	.65	8.15
	Third	7.58	19.44	1.91	28.93
Wheat	First	16.58	12.97	-	29.55
	Second	9.05	7.10	1.47	17.62
	Third	2.02	4.44	-	6.46
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	.43	-	.43
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	.38	-	-	.38
	Second	1.71	-	.32	2.03
	Third	.39	.93	-	1.32

TABLE 19.5.8 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Arsi Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	72.94	33.56	.43	106.93
	Second	26.66	39.92	4.63	71.21
	Third	8.48	8.43	1.17	18.08
Wheat	First	14.26	24.49	3.40	42.15
	Second	3.72	3.14	-	6.86
	Third	3.37	6.74	-	10.11
Barley	First	4.26	1.32	-	5.58
	Second	4.08	16.90	2.45	23.43
	Third	1.56	2.08	.52	4.16
Maize	First	.62	-	-	.62
	Second	5.53	.53	-	6.06
	Third	7.55	2.83	2.03	12.41
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	.65	-	-	.65
	Third	1.07	.53	-	1.60

TABLE 19.5.9 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

West Harerge Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	-	-
	Second	-	-	-	-
	Third	.36	-	-	.36
Wheat	First	7.91	2.13	3.58	13.62
	Second	3.61	2.20	1.43	7.24
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	.37	-	-	.37
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	.36	-	-	.36
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	7.85	1.45	4.16	13.46
	Second	4.80	.36	2.55	7.71
	Third	1.04	.38	-	1.42

TABLE 19.5.8 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Arsi Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	72.94	33.56	.43	106.93
	Second	26.66	39.92	4.63	71.21
	Third	8.48	8.43	1.17	18.08
Wheat	First	14.26	24.49	3.40	42.15
	Second	3.72	3.14	-	6.86
	Third	3.37	6.74	-	10.11
Barley	First	4.26	1.32	-	5.58
	Second	4.08	16.90	2.45	23.43
	Third	1.56	2.08	.52	4.16
Maize	First	.62	-	-	.62
	Second	5.53	.53	-	6.06
	Third	7.55	2.83	2.03	12.41
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	.65	-	-	.65
	Third	1.07	.53	-	1.60

TABLE 19.5.9 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

West Harerge Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	-	-
	Second	-	-	-	-
	Third	.36	-	-	.36
Wheat	First	7.91	2.13	3.58	13.62
	Second	3.61	2.20	1.43	7.24
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	.37	-	-	.37
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	.36	-	-	.36
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	7.85	1.45	4.16	13.46
	Second	4.80	.36	2.55	7.71
	Third	1.04	.38	-	1.42

TABLE 19.5.6 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Shewa Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	1.95	.74	-	2.69
	Second	1.79	.59	-	2.38
	Third	-	.30	-	.30
Wheat	First	-	-	-	-
	Second	.31	-	-	.31
	Third	-	-	-	-
Barley	First	1.25	-	-	1.25
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	.28	-	-	.28
	Third	.28	-	-	.28

TABLE 19.5.7 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

East Shewa Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	4.40	4.25	-	8.65
	Second	3.59	3.91	.65	8.15
	Third	7.58	19.44	1.91	28.93
Wheat	First	16.58	12.97	-	29.55
	Second	9.05	7.10	1.47	17.62
	Third	2.02	4.44	-	6.46
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	.43	-	.43
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	.38	-	-	.38
	Second	1.71	-	.32	2.03
	Third	.39	.93	-	1.32

TABLE 19.5.10 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

East Harerge Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	-	-
	Second	2.12	-	-	2.12
	Third	.37	-	-	.37
Wheat	First	25.90	3.80	-	29.70
	Second	10.25	2.83	.78	13.86
	Third	2.03	1.64	.78	4.45
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	2.34	.78	3.12
	Second	.46	.78	.78	2.02
	Third	-	-	.78	.78
Sorghum	First	.46	-	-	.46
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	15.59	3.54	-	19.13
	Second	16.56	2.95	.51	20.02
	Third	-	.55	-	.55

TABLE 19.5.11 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Bale Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	7.43	4.82	.53	12.78
	Second	19.26	10.06	3.32	32.64
	Third	.57	.43	-	1.00
Wheat	First	1.17	3.26	-	4.43
	Second	.57	.26	-	.83
	Third	.29	.28	-	.57
Barley	First	.89	.31	-	1.20
	Second	.58	.89	-	1.47
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	2.29	1.00	-	3.29
	Third	7.37	4.03	.28	11.68
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-

TABLE19.5.12 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Borena Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	-	-
	Second	-	-	1.49	1.49
	Third	-	-	-	-
Wheat	First	.82	5.75	-	6.57
	Second	-	-	-	-
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-

TABLE19.6 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Somale

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Wheat	First	1.51	.62	-	2.13
	Second	-	-	.15	.15
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	.08	-	.01	.09
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-

TABLE 19.6.1 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Shinele Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Wheat	First	.09	.01	-	.10
	Second	-	-	-	-
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	.08	-	.01	.09
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-

TABLE 19.6.2 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASONFOR PRIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Jijiga Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Wheat	First	1.43	.61	-	2.04
	Second	-	-	.15	.15
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-

TABLE 19.7 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASONFOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Benshangul-Gumuz

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	-	-
	Second	.12	.59	-	.71
	Third	.07	.24	-	.31
Wheat	First	.29	-	-	.29
	Second	.17	.22	-	.39
	Third	.24	.12	-	.36
Barley	First	-	-	-	-
	Second	.12	-	-	.12
	Third	-	-	-	-
Maize	First	.03	-	-	.03
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	.08	-	.08
	Second	-	-	-	-
	Third	-	-	-	-

TABLE 19.7.1 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Metekel Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	-	-
	Second	.12	.59	-	.71
	Third	.07	.24	-	.31
Wheat	First	.12	-	-	.12
	Second	-	.22	-	.22
	Third	.24	.12	-	.36
Barley	First	-	-	-	-
	Second	.12	-	-	.12
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-

TABLE 19.7.2 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASONFOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Asosa Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Wheat	First	.17	-	-	.17
	Second	.17	-	-	.17
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	.08	-	.08
	Second	-	-	-	-
	Third	-	-	-	-

TABLE 19.7.3 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Kemeshi Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Wheat	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	.03	-	-	.03
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-

TABLE 19.8 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

(S.N.N.P.R)

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	13.57	35.93	3.33	52.83
	Second	18.22	28.48	3.36	50.06
	Third	5.51	9.10	2.47	17.08
Wheat	First	170.10	58.59	6.31	235.00
	Second	47.55	41.10	8.75	97.40
	Third	7.46	9.30	8.82	25.58
Barley	First	8.01	2.19	-	10.20
	Second	2.74	.04	-	2.78
	Third	2.33	.19	.22	2.74
Maize	First	3.81	-	-	3.81
	Second	1.01	-	-	1.01
	Third	-	-	-	-
Sorghum	First	1.01	-	-	1.01
	Second	.07	-	-	.07
	Third	-	-	-	-
Coffee	First	2.55	1.28	.78	4.61
	Second	8.05	2.40	.14	10.59
	Third	6.54	3.65	1.11	11.30

TABLE 19.8.1 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Gurage Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	7.36	31.65	2.74	41.75
	Second	4.67	17.47	.59	22.73
	Third	1.04	-	-	1.04
Wheat	First	15.26	3.22	1.37	19.85
	Second	1.01	2.27	2.47	5.75
	Third	-	3.66	2.55	6.21
Barley	First	7.67	2.19	-	9.86
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	1.28	.78	2.06
	Second	1.57	1.18	-	2.75
	Third	-	1.13	.63	1.76

TABLE 19.8.2 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASONFOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Hadiya Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	1.64	1.47	.48	3.59
	Second	7.97	6.02	2.32	16.31
	Third	4.11	6.44	2.47	13.02
Wheat	First	13.92	5.36	.73	20.01
	Second	15.39	7.74	1.58	24.71
	Third	4.77	4.86	5.97	15.60
Barley	First	-	-	-	-
	Second	.25	-	-	.25
	Third	.22	-	-	.22
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	1.00	-	-	1.00
	Second	3.92	.25	-	4.17
	Third	4.04	.73	.25	5.02

TABLE 19.8.3 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Kembata Alaba Tembaro Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	2.02	.68	-	2.70
	Second	4.25	2.19	.39	6.83
	Third	.22	.93	-	1.15
Wheat	First	24.88	4.58	.72	30.18
	Second	12.21	10.31	2.86	25.38
	Third	1.03	.38	.20	1.61
Barley	First	.22	-	-	.22
	Second	1.55	-	-	1.55
	Third	1.41	.19	.22	1.82
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	.19	.87	-	1.06
	Third	2.17	1.72	.24	4.13

TABLE 19.8.4 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Sidama Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	.56	-	-	.56
	Second	-	.47	-	.47
	Third	-	.47	-	.47
Wheat	First	83.52	17.55	1.81	102.88
	Second	5.03	2.14	.71	7.88
	Third	.63	-	-	.63
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	.44	-	-	.44
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	.44	-	-	.44
	Third	-	-	-	-

TABLE 19.8.5 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Gedio Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	.69	-	-	.69
	Second	-	.14	-	.14
	Third	-	-	-	-
Wheat	First	1.07	.92	.77	2.76
	Second	-	.42	.18	.60
	Third	-	.14	-	.14
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-

TABLE 19.8.6 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Omo Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	1.06	2.03	-	3.09
	Second	1.06	1.73	-	2.79
	Third	-	.67	-	.67
Wheat	First	27.21	25.55	.58	53.34
	Second	11.87	17.17	.72	29.76
	Third	.94	-	-	.94
Barley	First	-	-	-	-
	Second	.94	-	-	.94
	Third	-	-	-	-
Maize	First	3.23	-	-	3.23
	Second	.94	-	-	.94
	Third	-	-	-	-
Sorghum	First	.94	-	-	.94
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-

TABLE 19.8.7 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

South Omo Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Wheat	First	.37	-	.13	.50
	Second	-	-	.11	.11
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-

TABLE 19.8.8 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Kefficho-Shekicho Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	-	-
	Second	.15	-	-	.15
	Third	-	-	-	-
Wheat	First	.36	1.01	-	1.37
	Second	.21	-	-	.21
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	.15	-	-	.15
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-

TABLE 19.8.9 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Bench-Maji Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Wheat	First	.93	.25	.05	1.23
	Second	-	-	-	-
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	.11	-	-	.11
	Second	.39	-	-	.39
	Third	-	-	-	-

TABLE 19.8.10 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Yem Special Wereda Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	.07	.10	-	.17
	Second	.10	.42	-	.52
	Third	-	.58	-	.58
Wheat	First	.03	.07	-	.10
	Second	.43	1.02	-	1.45
	Third	.03	.25	.08	.36
Barley	First	-	-	-	-
	Second	-	.04	-	.04
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	.10	.03	-	.13
	Third	.33	.07	-	.40

TABLE 19.8.11 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Amaro Special Wereda Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	.11	-	.06	.17
	Second	-	.04	-	.04
	Third	-	-	-	-
Wheat	First	-	-	-	-
	Second	.10	-	.05	.15
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-

TABLE19.8.12 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASONFOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Burji Special Wereda Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	.06	.06
	Second	.01	-	.06	.07
	Third	-	-	-	-
Wheat	First	.10	-	-	.10
	Second	.08	.03	.06	.17
	Third	-	-	.03	.03
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	.03	-	-	.03
	Third	-	-	-	-

TABLE 19.8.13 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Konso Special Wereda Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	.07	-	-	.07
	Second	-	-	-	-
	Third	.14	-	-	.14
Wheat	First	2.43	.07	.14	2.64
	Second	1.20	-	-	1.20
	Third	.07	-	-	.07
Barley	First	.12	-	-	.12
	Second	-	-	-	-
	Third	.69	-	-	.69
Maize	First	-	-	-	-
	Second	.07	-	-	.07
	Third	-	-	-	-
Sorghum	First	.07	-	-	.07
	Second	.07	-	-	.07
	Third	-	-	-	-
Coffee	First	1.35	-	-	1.35
	Second	1.42	.07	.14	1.63
	Third	-	-	-	-

TABLE 19.8.14 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASONFOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Derashe Special Wereda Zone

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Wheat	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	.09	-	-	.09
	Second	-	-	-	-
	Third	-	-	-	-

TABLE19.9 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Gambela

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Wheat	First	1.06	-	.14	1.20
	Second	-	-	-	-
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	.04	-	-	.04
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	.05	-	-	.05
	Second	.17	-	.06	.23
	Third	-	-	-	-

TABLE 19.10 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Harari

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	.03	-	-	.03
	Second	.02	.09	-	.11
	Third	-	.09	-	.09
Wheat	First	2.17	.37	.06	2.60
	Second	.89	.89	.10	1.88
	Third	.02	.23	-	.25
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	.09	-	-	.09
	Second	-	.02	-	.02
	Third	-	.05	-	.05
Sorghum	First	-	.02	-	.02
	Second	.07	.05	-	.12
	Third	-	-	-	-
Coffee	First	1.19	1.06	.08	2.33
	Second	1.50	.61	.06	2.17
	Third	.07	.19	.02	.28

TABLE 19.11 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Addis Ababa

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	.06	.07	-	.13
	Second	.02	.01	-	.03
	Third	.01	.01	-	.02
Wheat	First	-	-	-	-
	Second	.03	.03	-	.06
	Third	-	-	-	-
Barley	First	.01	-	-	.01
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	-	-	-	-
	Second	-	-	-	-
	Third	.01	-	-	.01

TABLE 19.12 DISTRIBUTION OF HHS REPORTING USE OF FERTILIZER BY CROP TYPE, PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Dire Dawa

CROP TYPE	PRIORITY	REASON FOR APPLYING FERTILIZER			
		OWN CONSUMPTION	MORE YIELD	PROFITABLE	TOTAL
Teff	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Wheat	First	.03	-	-	.03
	Second	.16	-	-	.16
	Third	-	-	-	-
Barley	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Maize	First	-	-	-	-
	Second	-	-	-	-
	Third	-	-	-	-
Sorghum	First	.13	-	-	.13
	Second	-	-	-	-
	Third	-	-	-	-
Coffee	First	2.00	.02	-	2.02
	Second	.03	-	-	.03
	Third	-	-	-	-

Section 20. Distribution of Households by the Status of Change in the Amount of Fertilizer Utilization Over the Past Five Years

In the survey, an attempt was made to collect information on the status of change in the amount of fertilizer utilization over the past five years.

According to the survey results about 1,742 thousand households reported to increas the use of fertilizer over the past five years. On the other hand, about 633 thousand households decreased their utilization of fertilizer in the past five years. While 600.67 thousand households reported for not changing the amount of their fertilizer use over the past five years. Nevertheless about 108.02 thousand households report for not knowing the trend of their fertilizer use over the past five years, about 32 thousand household didn't respond (for details see Table 20.1.

During the data collection period, households were asked to rank their reasons for increasing the amount of fertilizer usage over the last five years, i.e. first, second, and third. Also, for the households' convenience, seven possible reasons for the increase of fertilizer usage were given as shown in Table 20.2.

Based on the information collected, the survey result indicated that for 1,051.02 thousand households (60.32 %) the first reason for increasing the amount of fertilizer on their farms over the last five years was due to the declining of soil producting.

Similarly, for about 521 thousand households (29.9 %) the first reason was increasing the amount of fertilizer showed to variable results on their output. (See Table 20.2).

On the other hand, those households who decreased the amount of fertilizer on their farms over the last five years were also asked for their reasons by rankinges first, second and third. The survey result showed that for 331.24 thousand households (52.32 %) the first reason for decreasing the amount of fertilizer utilization was due to "the increase of cost of fertilizer". (Table 20.3).

Further more, those households who didn't apply fertilizer on their farm over the last five years were also asked for their reasons ranking. It was found out that, out of 5,914.37 thousand households for 1,814.00 thousand households (30.62 %) the first reason for not using commercial fertilizer was "non availability of own money", for 1,232.48 thousand households (20.80 %) the third reason was "lock of knowledge about the use of fertilizer" and for 17.56 %, it was "the high cost of fertilizer. (Table 20.4).

TABLE 20.1 DISTRIBUTION OF HOUSEHOLDS WHO APPLIED COMMERCIAL FERTILIZER OVER THE PAST FIVE YEARS BY STATUS OF CHANGES IN THE AMOUNT USED FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

National

(IN '000)

REGION	STATUS OF CHANGE OF COMMERCIAL FERTILIZER APPLICATION											
	INCREASED	%	DECREASED	%	NO CHANGE	%	DO NOT KNOW	%	NOT STTED	%	TOTAL	%
Tigray	117.50	6.74	24.12	3.81	38.37	6.39	13.42	12.42	.32	.98	193.73	6.22
Afar	.19	.01	.08	.01	.18	.03	-	-	-	-	.45	.01
Amhara	433.97	24.91	107.06	16.91	134.41	22.38	27.40	25.37	7.85	23.94	710.69	22.80
Oromia	764.64	43.89	370.31	58.50	264.82	44.09	34.19	31.65	19.09	58.22	1,453.05	46.62
Somale	1.80	.10	.30	.05	.39	.06	-	-	.02	.06	2.51	.08
Benshangul-Gumuz	3.35	.19	1.04	.16	.46	.08	.12	.11	.44	1.34	5.41	.17
SNNPR	415.03	23.82	127.64	20.16	159.38	26.53	32.06	29.68	4.89	14.91	739.00	23.71
Gambela	1.15	.07	.06	.01	.12	.02	.20	.19	.07	.21	1.60	.05
Harari	2.17	.12	1.82	.29	1.13	.19	.55	.51	.02	.06	5.69	.18
Addis Ababa	1.78	.10	.61	.10	1.41	.23	.06	.06	.03	.09	3.89	.12
Dire Dawa	.61	.04	.02	-	-	-	.02	.02	.06	.18	.71	.02
NATIONAL	1,742.19	100.00	633.06	100.00	600.67	100.00	108.02	100.00	32.79	100.00	3,116.73	100.00

TABLE 20.1.1 DISTRIBUTION OF HHS WHO APPLIED COMMERCIAL FERTILIZER OVER THE PAST FIVE YEARS BY STATUS OF CHANGES IN THE AMOUNT USED FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Regional and Zonal

(IN '000)

REGION/ ZONE	STATUS OF CHANGE OF COMMERCIAL FERTILIZER APPLICATION											
	INCREASED	%	DECREASED	%	NO CHANGE	%	DO NOT KNOW	%	NOT STATED	%	TOTAL	%
Tigray	117.50	3.77	24.12	.77	38.36	1.23	13.41	.43	.32	.01	193.71	6.22
West Tigray	36.52	1.17	5.90	.19	7.45	.24	3.79	.12	-	-	53.66	1.72
Central Tigray	49.93	1.60	4.74	.15	6.57	.21	3.33	.11	.32	.01	64.89	2.08
East Tigray	18.04	.58	3.21	.10	4.18	.13	1.47	.05	-	-	26.90	.86
South Tigray	13.01	.42	10.27	.33	20.16	.65	4.82	.15	-	-	48.26	1.55
Afar	.19	.01	.08	-	.18	.01	-	-	-	-	.45	.01
Zone 1	-	-	-	-	-	-	-	-	-	-	-	-
Zone 3	.19	.01	.08	-	.18	.01	-	-	-	-	.45	.01
Zone 5	-	-	-	-	-	-	-	-	-	-	-	-
Amhara	433.96	13.92	107.05	3.43	134.41	4.31	27.41	.88	7.86	.25	710.69	22.80
North Gondar	41.69	1.34	13.84	.44	7.66	.25	5.92	.19	1.63	.05	70.74	2.27
South Gondar	50.39	1.62	7.50	.24	20.67	.66	1.46	.05	.47	.02	80.49	2.58
North Wollo	17.14	.55	7.91	.25	1.99	.06	1.05	.03	.40	.01	28.49	.91
South Wollo	19.02	.61	7.33	.24	1.78	.06	2.16	.07	1.13	.04	31.42	1.01
North Shoa	51.67	1.66	7.72	.25	5.32	.17	1.90	.06	1.17	.04	67.78	2.17
East Gojam	92.17	2.96	31.27	1.00	52.99	1.70	6.70	.21	-	-	183.13	5.88
West Gojam	128.33	4.12	25.05	.80	31.53	1.01	5.15	.17	2.74	.09	192.80	6.19
Waghamera	.48	.02	.12	-	-	-	-	-	.12	-	.72	.02
Agewawi	32.06	1.03	6.18	.20	11.79	.38	2.91	.09	.20	.01	53.14	1.71
Oromia Zone	1.01	.03	.13	-	.68	.02	.16	.01	-	-	1.98	.06
Oromia	764.64	24.53	370.31	11.88	264.80	8.50	34.18	1.10	19.09	.61	1,453.02	46.62
West Wellega	39.21	1.26	10.83	.35	18.08	.58	1.93	.06	1.71	.05	71.76	2.30
East Wellega	75.01	2.41	17.79	.57	21.19	.68	3.56	.11	1.05	.03	118.60	3.81
Illubabor	28.08	.90	18.13	.58	15.03	.48	1.32	.04	1.23	.04	63.79	2.05
Jimma	83.61	2.68	42.72	1.37	33.98	1.09	2.61	.08	3.42	.11	166.34	5.34
West Shoa	152.66	4.90	91.91	2.95	52.48	1.68	4.91	.16	2.27	.07	304.23	9.76
North Shoa	46.82	1.50	10.29	.33	10.19	.33	1.00	.03	.77	.02	69.07	2.22
East Shoa	73.45	2.36	45.82	1.47	32.35	1.04	7.28	.23	1.77	.06	160.67	5.16
Arsi	179.97	5.77	69.45	2.23	54.91	1.76	4.66	.15	3.64	.12	312.63	10.03
West Hararghe	8.36	.27	7.08	.23	3.54	.11	.32	.01	-	-	19.30	.62
East Hararghe	33.64	1.08	32.42	1.04	9.39	.30	2.11	.07	3.23	.10	80.79	2.59
Bale	37.39	1.20	21.15	.68	13.25	.43	4.48	.14	-	-	76.27	2.45
Borena	6.44	.21	2.72	.09	.41	.01	-	-	-	-	9.57	.31

TABLE 20.1.1 DISTRIBUTION OF HHS WHO APPLIED COMMERCIAL FERTILIZER OVER THE PAST FIVE YEARS BY STATUS OF CHANGES IN THE AMOUNT USED FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Regional and Zonal(cont.)

(IN '000)

REGION/ ZONE	STATUS OF CHANGE OF COMMERCIAL FERTILIZER APPLICATION											
	INCREASED	%	DECREASED	%	NO CHANGE	%	DO NOT KNOW	%	NOT STATED	%	TOTAL	%
Somale	1.79	.06	.30	.01	.39	.01	-	-	.02	-	2.50	.08
Shinele	.11	-	.06	-	-	-	-	-	.02	-	.19	.01
Jijiga	1.68	.05	.24	.01	.39	.01	-	-	-	-	2.31	.07
Moyale	-	-	-	-	-	-	-	-	-	-	-	-
Benshangul-Gumuz	3.35	.11	1.03	.03	.45	.01	.12	-	.44	.01	5.39	.17
Metekel	3.01	.10	.45	.01	.41	.01	-	-	.35	.01	4.22	.14
Assosa	.34	.01	.54	.02	.04	-	.12	-	.09	-	1.13	.04
Kemeshi	-	-	.04	-	-	-	-	-	-	-	.04	-
SNNPR	415.03	13.32	127.65	4.10	159.39	5.11	32.06	1.03	4.89	.16	739.02	23.71
Gurage	84.63	2.72	15.09	.48	51.51	1.65	10.02	.32	-	-	161.25	5.17
Hadiya	102.59	3.29	28.48	.91	27.04	.87	3.59	.12	2.35	.08	164.05	5.26
Kembata Alaba T	69.89	2.24	27.49	.88	15.07	.48	1.11	.04	-	-	113.56	3.64
Sidama	81.55	2.62	27.50	.88	14.30	.46	7.42	.24	1.07	.03	131.84	4.23
Gedio	.92	.03	2.08	.07	2.41	.08	.69	.02	-	-	6.10	.20
North Omo	65.95	2.12	22.28	.71	45.07	1.45	8.67	.28	-	-	141.97	4.56
South Omo	.26	.01	.11	-	.13	-	.11	-	-	-	.61	.02
Keficho-Shekich	1.45	.05	.84	.03	1.62	.05	-	-	1.15	.04	5.06	.16
Bench-Maji	1.92	.06	.18	.01	.24	.01	.09	-	-	-	2.43	.08
Yem Special	4.71	.15	3.03	.10	1.84	.06	.27	.01	-	-	9.85	.32
Amaro Special	.15	-	.45	.01	.03	-	.09	-	-	-	.72	.02
Burji Special	.57	.02	.12	-	.13	-	-	-	.01	-	.83	.03
Konso Special	.40	.01	-	-	-	-	-	-	.31	.01	.71	.02
Derashe Special	.04	-	-	-	-	-	-	-	-	-	.04	-
Gambela	1.15	.04	.06	-	.12	-	.20	.01	.07	-	1.60	.05
Harari	2.17	.07	1.82	.06	1.13	.04	.55	.02	.02	-	5.69	.18
Addis Ababa	1.78	.06	.61	.02	1.41	.05	.06	-	.03	-	3.89	.12
Dire Dawa	.61	.02	.02	-	-	-	.02	-	.06	-	.71	.02
NATIONAL	1,742.17	55.90	633.05	20.31	600.64	19.27	108.01	3.47	32.80	1.05	3,116.67	100.00

TABLE 20.2 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER
OVER THE PAST FIVE YEARS BY PRIORITY AND REASON
FOR PRIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

National ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	1,051.02	60.33	224.77	12.90	66.20	3.80
2	Favorable results	521.17	29.91	854.66	49.06	106.40	6.11
3	Improved availability	71.38	4.10	271.06	15.56	356.65	20.47
4	Lower cost of Fertilizer	7.46	.43	16.11	.92	20.62	1.18
5	Better access to credit	21.48	1.23	113.84	6.53	223.38	12.82
6	More effective extension service	47.66	2.74	91.50	5.25	259.09	14.87
7	Others	18.15	1.04	22.50	1.29	43.31	2.49
8	Not stated	3.86	.22	147.74	8.48	666.52	38.26
TOTAL		1,742.18	100.00	1,742.18	100.00	1,742.17	100.00

TABLE 20.2.1 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER
OVER THE PAST FIVE YEARS BY PRIORITY AND REASON
FOR PRIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Tigray ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	37.71	32.10	12.95	11.02	8.84	7.52
2	Favorable results	55.01	46.82	34.29	29.19	10.02	8.53
3	Improved availability	12.42	10.57	37.04	31.53	21.06	17.92
4	Lower cost of Fertilizer	1.90	1.62	1.95	1.66	2.59	2.20
5	Better access to credit	2.10	1.79	11.64	9.91	17.09	14.54
6	More effective extension service	7.15	6.09	14.61	12.44	34.95	29.74
7	Others	.68	.58	.86	.73	2.71	2.31
8	Not stated	.51	.43	4.15	3.53	20.24	17.23
	TOTAL	117.48	100.00	117.49	100.00	117.50	100.00

TABLE 20.2.1.1 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER
OVER THE PAST FIVE YEARS BY PRIORITY AND REASON
FOR PRIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

West Tigray Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	15.72	43.03	2.99	8.19	1.51	4.14
2	Favorable results	13.94	38.16	14.73	40.33	4.35	11.91
3	Improved availability	4.51	12.35	12.73	34.86	8.83	24.19
4	Lower cost of Fertilizer	-	-	.98	2.68	1.10	3.01
5	Better access to credit	.24	.66	1.94	5.31	4.17	11.42
6	More effective extension service	2.12	5.80	2.95	8.08	11.41	31.25
7	Others	-	-	-	-	2.03	5.56
8	Not stated	-	-	.20	.55	3.11	8.52
	TOTAL	36.53	100.00	36.52	100.00	36.51	100.00

TABLE 20.2.1.2 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Central Tigray Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	14.00	28.03	6.52	13.06	4.59	9.19
2	Favorable results	24.95	49.95	12.24	24.52	3.96	7.93
3	Improved availability	3.08	6.17	17.08	34.21	8.54	17.10
4	Lower cost of Fertilizer	1.47	2.94	-	-	.98	1.96
5	Better access to credit	1.72	3.44	5.73	11.48	8.36	16.74
6	More effective extension service	4.16	8.33	6.52	13.06	13.78	27.60
7	Others	.31	.62	.31	.62	.31	.62
8	Not stated	.26	.52	1.52	3.04	9.41	18.85
	TOTAL	49.95	100.00	49.92	100.00	49.93	100.00

TABLE 20.2.1.3 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

East Tigray Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	4.18	23.17	1.47	8.15	2.55	14.14
2	Favorable results	10.18	56.43	4.17	23.13	.86	4.77
3	Improved availability	2.71	15.02	4.04	22.41	2.14	11.86
4	Lower cost of Fertilizer	.18	1.00	.19	1.05	.51	2.83
5	Better access to credit	.15	.83	3.32	18.41	2.90	16.08
6	More effective extension service	.64	3.55	3.77	20.91	5.48	30.38
7	Others	-	-	.31	1.72	.18	1.00
8	Not stated	-	-	.76	4.22	3.42	18.96
	TOTAL	18.04	100.00	18.03	100.00	18.04	100.00

TABLE 20.2.1.4 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

South Tigray Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	3.81	29.29	1.97	15.14	.18	1.38
2	Favorable results	5.95	45.73	3.15	24.21	.85	6.54
3	Improved availability	2.13	16.37	3.19	24.52	1.55	11.92
4	Lower cost of Fertilizer	.26	2.00	.78	6.00	-	-
5	Better access to credit	-	-	.66	5.07	1.67	12.85
6	More effective extension service	.24	1.84	1.36	10.45	4.28	32.92
7	Others	.37	2.84	.24	1.84	.18	1.38
8	Not stated	.25	1.92	1.66	12.76	4.29	33.00
	TOTAL	13.01	100.00	13.01	100.00	13.00	100.00

TABLE 20.2.2 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Afar ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	-	-	.19	100.00	-	-
2	Favorable results	.19	100.00	-	-	-	-
3	Improved availability	-	-	-	-	-	-
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	-	-	-	-	-	-
6	More effective extension service	-	-	-	-	-	-
7	Others	-	-	-	-	.19	100.00
8	Not stated	-	-	-	-	-	-
TOTAL		.19	100.00	.19	100.00	.19	100.00

TABLE 20.2.2.1 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Zone 3 Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	-	-	.19	100.00	-	-
2	Favorable results	.19	100.00	-	-	-	-
3	Improved availability	-	-	-	-	-	-
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	-	-	-	-	-	-
6	More effective extension service	-	-	-	-	-	-
7	Others	-	-	-	-	.19	100.00
8	Not stated	-	-	-	-	-	-
TOTAL		.19	100.00	.19	100.00	.19	100.00

TABLE 20.2.3 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Amhara ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	290.88	67.03	47.98	11.06	17.95	4.14
2	Favorable results	101.58	23.41	216.61	49.91	32.88	7.58
3	Improved availability	10.27	2.37	61.96	14.28	109.70	25.28
4	Lower cost of Fertilizer	1.08	.25	3.71	.85	2.80	.65
5	Better access to credit	9.37	2.16	45.23	10.42	65.44	15.08
6	More effective extension service	15.77	3.63	27.62	6.36	66.70	15.37
7	Others	4.57	1.05	3.63	.84	8.61	1.98
8	Not stated	.44	.10	27.23	6.27	129.88	29.93
	TOTAL	433.96	100.00	433.97	100.00	433.96	100.00

TABLE 20.2.3.1 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Gonder Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	24.23	58.11	4.10	9.83	2.72	6.52
2	Favorable results	14.52	34.82	13.57	32.55	4.18	10.03
3	Improved availability	1.73	4.15	11.73	28.14	3.88	9.31
4	Lower cost of Fertilizer	-	-	-	-	.57	1.37
5	Better access to credit	-	-	5.49	13.17	1.02	2.45
6	More effective extension service	1.22	2.93	6.80	16.31	21.81	52.31
7	Others	-	-	-	-	-	-
8	Not stated	-	-	-	-	7.51	18.01
	TOTAL	41.70	100.00	41.69	100.00	41.69	100.00

TABLE 20.2.3.2 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

South Gonder Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	37.43	74.28	5.93	11.77	.91	1.81
2	Favorable results	9.51	18.87	29.83	59.19	3.86	7.66
3	Improved availability	.45	.89	6.09	12.08	14.15	28.08
4	Lower cost of Fertilizer	-	-	-	-	.50	.99
5	Better access to credit	.56	1.11	1.94	3.85	13.91	27.60
6	More effective extension service	.50	.99	1.89	3.75	4.05	8.04
7	Others	1.94	3.85	.89	1.77	.94	1.87
8	Not stated	-	-	3.83	7.60	12.07	23.95
	TOTAL	50.39	100.00	50.40	100.00	50.39	100.00

TABLE 20.2.3.3 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Wolo Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	8.66	50.55	3.49	20.36	.33	1.92
2	Favorable results	5.35	31.23	4.48	26.14	1.11	6.47
3	Improved availability	.65	3.79	4.43	25.85	2.28	13.29
4	Lower cost of Fertilizer	-	-	-	-	.33	1.92
5	Better access to credit	.40	2.34	.83	4.84	1.23	7.17
6	More effective extension service	2.07	12.08	3.67	21.41	4.62	26.94
7	Others	-	-	-	-	.40	2.33
8	Not stated	-	-	.24	1.40	6.85	39.94
	TOTAL	17.13	100.00	17.14	100.00	17.15	100.00

TABLE 20.2.3.4 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

South Wolo Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	1.82	9.56	4.88	25.67	3.05	16.04
2	Favorable results	11.76	61.80	.62	3.26	2.47	12.99
3	Improved availability	1.73	9.09	.63	3.31	1.80	9.47
4	Lower cost of Fertilizer	-	-	.63	3.31	-	-
5	Better access to credit	-	-	.63	3.31	.63	3.31
6	More effective extension service	3.06	16.08	5.43	28.56	2.48	13.05
7	Others	.66	3.47	-	-	-	-
8	Not stated	-	-	6.19	32.56	8.58	45.13
	TOTAL	19.03	100.00	19.01	100.00	19.01	100.00

TABLE 20.2.3.5 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Shewa Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	28.59	54.83	9.02	17.30	1.51	2.90
2	Favorable results	17.19	32.97	27.75	53.22	2.98	5.71
3	Improved availability	1.28	2.45	6.63	12.72	5.38	10.32
4	Lower cost of Fertilizer	-	-	.92	1.76	.46	.88
5	Better access to credit	.46	.88	1.75	3.36	12.00	23.01
6	More effective extension service	4.18	8.02	4.85	9.30	12.23	23.45
7	Others	-	-	-	-	.42	.81
8	Not stated	.44	.84	1.22	2.34	17.17	32.92
	TOTAL	52.14	100.00	52.14	100.00	52.15	100.00

TABLE 20.2.3.6 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

East Gojam Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	60.73	65.90	9.87	10.71	4.65	5.05
2	Favorable results	23.06	25.02	51.76	56.17	2.87	3.11
3	Improved availability	2.30	2.50	12.89	13.99	24.79	26.90
4	Lower cost of Fertilizer	.86	.93	1.71	1.86	-	-
5	Better access to credit	1.94	2.11	4.35	4.72	10.73	11.64
6	More effective extension service	1.85	2.01	1.35	1.47	4.29	4.66
7	Others	1.42	1.54	.47	.51	.44	.48
8	Not stated	-	-	9.75	10.58	44.38	48.16
TOTAL		92.16	100.00	92.15	100.00	92.15	100.00

TABLE 20.2.3.7 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

West Gojam Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	101.64	79.49	10.27	8.03	3.86	3.02
2	Favorable results	17.18	13.44	67.58	52.85	10.60	8.29
3	Improved availability	1.43	1.12	15.75	12.32	48.58	37.99
4	Lower cost of Fertilizer	-	-	-	-	.28	.22
5	Better access to credit	5.79	4.53	26.75	20.92	24.32	19.02
6	More effectjve extension service	1.83	1.43	1.86	1.45	14.73	11.52
7	Others	-	-	2.05	1.60	5.64	4.41
8	Not stated	-	-	3.60	2.82	19.87	15.54
TOTAL		127.87	100.00	127.86	100.00	127.88	100.00

TABLE 20.2.3.8 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Waghamera Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	-	-	-	-	-	-
2	Favorable results	.12	25.00	.12	25.00	-	-
3	Improved availability	-	-	.36	75.00	.12	25.00
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	-	-	-	-	-	-
6	More effective extension service	.36	75.00	-	-	.12	25.00
7	Others	-	-	-	-	-	-
8	Not stated	-	-	-	-	.24	50.00
	TOTAL	.48	100.00	.48	100.00	.48	100.00

TABLE 20.2.3.9 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Agewawia Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	27.23	84.91	.23	.72	.64	2.00
2	Favorable results	2.45	7.64	20.59	64.22	4.67	14.57
3	Improved availability	.71	2.21	3.45	10.76	8.60	26.82
4	Lower cost of Fertilizer	.22	.69	.44	1.37	.67	2.09
5	Better access to credit	.23	.72	3.49	10.89	1.60	4.99
6	More effective extension service	.69	2.15	1.24	3.87	2.22	6.92
7	Others	.54	1.68	.22	.69	.78	2.43
8	Not stated	-	-	2.40	7.49	12.88	40.17
	TOTAL	32.07	100.00	32.06	100.00	32.06	100.00

TABLE 20.2.3.10 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Oromia Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	.56	55.45	.17	17.00	.28	28.00
2	Favorable results	.45	44.55	.30	30.00	.14	14.00
3	Improved availability	-	-	-	-	.11	11.00
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	-	-	-	-	-	-
6	More effective extension service	-	-	.53	53.00	.13	13.00
7	Others	-	-	-	-	-	-
8	Not stated	-	-	-	-	.34	34.00
TOTAL		1.01	100.00	1.00	100.00	1.00	100.00

TABLE 20.2.4 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Oromia ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	495.44	64.79	110.07	14.40	22.71	2.97
2	Favorable results	215.43	28.17	410.33	53.66	37.91	4.96
3	Improved availability	25.61	3.35	83.30	10.89	140.74	18.41
4	Lower cost of Fertilizer	1.51	.20	2.65	.35	6.35	.83
5	Better access to credit	4.76	.62	36.17	4.73	81.06	10.60
6	More effective extension service	11.79	1.54	31.36	4.10	95.43	12.48
7	Others	8.50	1.11	14.80	1.94	14.37	1.88
8	Not stated	1.59	.21	75.95	9.93	366.06	47.87
	TOTAL	764.63	100.00	764.63	100.00	764.63	100.00

TABLE 20.2.4.1 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

West Welega Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	21.43	54.65	8.79	22.41	1.18	3.01
2	Favorable results	15.77	40.22	21.80	55.58	.41	1.05
3	Improved availability	.40	1.02	2.42	6.17	1.60	4.08
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	-	-	.40	1.02	2.84	7.24
6	More effective extension service	1.20	3.06	4.16	10.61	6.14	15.66
7	Others	.41	1.05	1.22	3.11	.40	1.02
8	Not stated	-	-	.43	1.10	26.63	67.93
	TOTAL	39.21	100.00	39.22	100.00	39.20	100.00

TABLE 20.2.4.2 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

East Welega Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	35.98	47.86	10.87	14.46	3.17	4.22
2	Favorable results	25.44	33.84	29.08	38.68	5.36	7.13
3	Improved availability	4.41	5.87	10.08	13.41	9.92	13.19
4	Lower cost of Fertilizer	-	-	-	-	.28	.37
5	Better access to credit	2.95	3.92	11.79	15.68	8.09	10.76
6	More effective extension service	3.73	4.96	4.83	6.42	16.34	21.73
7	Others	2.34	3.11	-	-	.88	1.17
8	Not stated	.33	.44	8.53	11.35	31.15	41.43
	TOTAL	75.18	100.00	75.18	100.00	75.19	100.00

TABLE 20.2.4.3 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Illibabor Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	15.50	55.58	2.93	10.50	.57	2.04
2	Favorable results	10.56	37.86	7.63	27.35	.20	.72
3	Improved availability	.08	.29	5.50	19.71	3.26	11.69
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	.08	.29	.26	.93	1.67	5.99
6	More effective extension service	.98	3.51	5.44	19.50	4.46	15.99
7	Others	.69	2.47	.26	.93	.62	2.22
8	Not stated	-	-	5.88	21.08	17.11	61.35
	TOTAL	27.89	100.00	27.90	100.00	27.89	100.00

TABLE 20.2.4.4 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Jimma Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	65.98	78.90	6.37	7.62	1.67	2.00
2	Favorable results	15.72	18.80	47.70	57.06	1.38	1.65
3	Improved availability	1.46	1.75	7.85	9.39	15.35	18.36
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	-	-	2.46	2.94	16.01	19.15
6	More effective extension service	.46	.55	2.79	3.34	4.54	5.43
7	Others	-	-	.55	.66	1.25	1.49
8	Not stated	-	-	15.88	19.00	43.42	51.93
	TOTAL	83.62	100.00	83.60	100.00	83.62	100.00

TABLE 20.2.4.5 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

West Shewa Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	125.87	82.46	12.42	8.14	1.68	1.10
2	Favorable results	23.02	15.08	102.06	66.85	5.59	3.66
3	Improved availability	2.69	1.76	11.30	7.40	35.74	23.41
4	Lower cost of Fertilizer	-	-	-	-	.66	.43
5	Better access to credit	-	-	.59	.39	11.01	7.21
6	More effective extension service	.54	.35	4.33	2.84	16.35	10.71
7	Others	-	-	2.33	1.53	4.47	2.93
8	Not stated	.53	.35	19.63	12.86	77.17	50.55
	TOTAL	152.65	100.00	152.66	100.00	152.67	100.00

TABLE 20.2.4.6 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Shewa Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	31.28	66.82	8.18	17.47	1.70	3.63
2	Favorable results	11.02	23.54	27.27	58.24	4.73	10.10
3	Improved availability	1.82	3.89	6.15	13.14	17.12	36.57
4	Lower cost of Fertilizer	.56	1.20	-	-	-	-
5	Better access to credit	.57	1.22	2.10	4.49	4.93	10.53
6	More effective extension service	1.00	2.14	.86	1.84	10.02	21.40
7	Others	.56	1.20	.28	.60	1.46	3.12
8	Not stated	-	-	1.98	4.23	6.86	14.65
	TOTAL	46.81	100.00	46.82	100.00	46.82	100.00

TABLE 20.2.4.7 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

East Shewa Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	43.88	59.74	11.40	15.52	1.79	2.44
2	Favorable results	21.76	29.63	40.56	55.22	1.64	2.23
3	Improved availability	5.60	7.62	8.22	11.19	11.28	15.36
4	Lower cost of Fertilizer	.34	.46	-	-	.35	.48
5	Better access to credit	.87	1.18	7.55	10.28	14.24	19.39
6	More effective extension service	.38	.52	.71	.97	5.70	7.76
7	Others	.62	.84	.66	.90	1.16	1.58
8	Not stated	-	-	4.35	5.92	37.29	50.77
	TOTAL	73.45	100.00	73.45	100.00	73.45	100.00

TABLE 20.2.4.8 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Arsi Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	109.08	60.61	35.25	19.59	8.02	4.46
2	Favorable results	61.30	34.06	93.09	51.72	14.56	8.09
3	Improved availability	4.72	2.62	20.95	11.64	30.97	17.21
4	Lower cost of Fertilizer	.62	.34	2.14	1.19	4.37	2.43
5	Better access to credit	-	-	5.30	2.94	16.87	9.37
6	More effective extension service	2.40	1.33	3.81	2.12	16.88	9.38
7	Others	1.85	1.03	7.79	4.33	1.57	.87
8	Not stated	-	-	11.65	6.47	86.72	48.19
	TOTAL	179.97	100.00	179.98	100.00	179.96	100.00

TABLE 20.2.4.9 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

West Harerge Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	3.22	38.52	1.12	13.37	-	-
2	Favorable results	3.97	47.49	2.94	35.08	.80	9.56
3	Improved availability	.37	4.43	1.75	20.88	1.64	19.59
4	Lower cost of Fertilizer	-	-	-	-	.70	8.36
5	Better access to credit	-	-	.38	4.53	-	-
6	More effective extension service	.80	9.57	1.62	19.33	.30	3.58
7	Others	-	-	-	-	-	-
8	Not stated	-	-	.57	6.80	4.93	58.90
	TOTAL	8.36	100.00	8.38	100.00	8.37	100.00

TABLE 20.2.4.10 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER
OVER THE PAST FIVE YEARS BY PRIORITY AND REASON
FOR PRIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

East Harerge Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	20.93	62.22	4.56	13.56	.37	1.10
2	Favorable results	10.19	30.29	17.21	51.16	-	-
3	Improved availability	2.07	6.15	2.25	6.69	5.61	16.68
4	Lower cost of Fertilizer	-	-	.51	1.52	-	-
5	Better access to credit	-	-	4.32	12.84	4.15	12.34
6	More effective extension service	-	-	-	-	6.19	18.41
7	Others	-	-	.88	2.62	.82	2.44
8	Not stated	.45	1.34	3.91	11.62	16.49	49.03
	TOTAL	33.64	100.00	33.64	100.00	33.63	100.00

TABLE 20.2.4.11 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER
OVER THE PAST FIVE YEARS BY PRIORITY AND REASON
FOR PRIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Bale Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	17.38	46.47	8.19	21.90	2.57	6.87
2	Favorable results	15.15	40.51	16.08	42.99	3.24	8.67
3	Improved availability	1.96	5.24	5.32	14.22	7.85	20.99
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	.29	.78	1.01	2.70	.84	2.25
6	More effective extension service	.30	.80	2.82	7.54	6.98	18.67
7	Others	2.03	5.43	.84	2.25	1.73	4.63
8	Not stated	.29	.78	3.14	8.40	14.18	37.92
	TOTAL	37.40	100.00	37.40	100.00	37.39	100.00

TABLE 20.2.4.12 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Borena Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	4.93	76.43	-	-	-	-
2	Favorable results	1.52	23.57	4.93	76.43	-	-
3	Improved availability	-	-	1.52	23.57	.41	6.36
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	-	-	-	-	.41	6.36
6	More effective extension service	-	-	-	-	1.52	23.57
7	Others	-	-	-	-	-	-
8	Not stated	-	-	-	-	4.11	63.72
TOTAL		6.45	100.00	6.45	100.00	6.45	100.00

TABLE 20.2.5 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Somale ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	.04	2.22	.31	17.22	.13	7.22
2	Favorable results	1.71	95.00	.06	3.33	-	-
3	Improved availability	.04	2.22	.74	41.11	-	-
4	Lower cost of Fertilizer	-	-	.36	20.00	.61	33.89
5	Better access to credit	-	-	-	-	-	-
6	More effective extension service	-	-	-	-	.02	1.11
7	Others	.01	.56	-	-	.36	20.00
8	Not stated	-	-	.33	18.33	.68	37.78
TOTAL		1.80	100.00	1.80	100.00	1.80	100.00

TABLE 20.2.5.1 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Shinele Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	.04	33.33	-	-	.01	9.09
2	Favorable results	.03	25.00	.06	54.55	-	-
3	Improved availability	.04	33.33	.03	27.27	-	-
4	Lower cost of Fertilizer	-	-	-	-	.01	9.09
5	Better access to credit	-	-	-	-	-	-
6	More effective extension service	-	-	-	-	.02	18.18
7	Others	.01	8.33	-	-	-	-
8	Not stated	-	-	.02	18.18	.07	63.64
TOTAL		.12	100.00	.11	100.00	.11	100.00

TABLE 20.2.5.2 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Jijiga Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	-	-	.31	18.34	.12	7.14
2	Favorable results	1.68	100.00	-	-	-	-
3	Improved availability	-	-	.71	42.01	-	-
4	Lower cost of Fertilizer	-	-	.36	21.30	.59	35.12
5	Better access to credit	-	-	-	-	-	-
6	More effective extension service	-	-	-	-	-	-
7	Others	-	-	-	-	.36	21.43
8	Not stated	-	-	.31	18.34	.61	36.31
	TOTAL	1.68	100.00	1.69	100.00	1.68	100.00

TABLE 20.2.6 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Benshangul-Gumuz ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	2.27	67.76	.66	19.64	-	-
2	Favorable results	.85	25.37	1.92	57.14	-	-
3	Improved avàilability	-	-	-	-	.06	1.79
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	.09	2.69	-	-	-	-
6	More effective extension service	.06	1.79	-	-	.35	10.45
7	Others	.08	2.39	-	-	-	-
8	Not stated	-	-	.78	23.21	2.94	87.76
	TOTAL	3.35	100.00	3.36	100.00	3.35	100.00

TABLE 20.2.6.1 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Metekel Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	2.18	72.43	.57	18.94	-	-
2	Favorable results	.68	22.59	1.83	60.80	-	-
3	Improved availability	-	-	-	-	.06	1.99
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	.09	2.99	-	-	-	-
6	More effective extension service	.06	1.99	-	-	.18	5.96
7	Others	-	-	-	-	-	-
8	Not stated	-	-	.61	20.27	2.78	92.05
	TOTAL	3.01	100.00	3.01	100.00	3.02	100.00

TABLE 20.2.6.2 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER
OVER THE PAST FIVE YEARS BY PRIORITY AND REASON
FOR PRIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Asosa Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	.09	26.47	.08	23.53	-	-
2	Favorable results	.17	50.00	.09	26.47	-	-
3	Improved availability	-	-	-	-	-	-
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	-	-	-	-	-	-
6	More effective extension service	-	-	-	-	.17	50.00
7	Others	.08	23.53	-	-	-	-
8	Not stated	-	-	.17	50.00	.17	50.00
	TOTAL	.34	100.00	.34	100.00	.34	100.00

TABLE 20.2.7 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER
OVER THE PAST FIVE YEARS BY PRIORITY AND REASON
FOR PRIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

(S.N.N.P.R) ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	222.24	53.55	51.87	12.50	16.34	3.94
2	Favorable results	143.98	34.69	189.25	45.60	25.33	6.10
3	Improved availability	22.90	5.52	87.33	21.04	84.11	20.27
4	Lower cost of Fertilizer	2.97	.72	7.36	1.77	8.14	1.96
5	Better access to credit	5.04	1.21	20.43	4.92	59.47	14.33
6	More effective extension service	12.45	3.00	17.42	4.20	61.32	14.77
7	Others	4.16	1.00	3.04	.73	16.63	4.01
8	Not stated	1.29	.31	38.33	9.24	143.69	34.62
TOTAL		415.03	100.00	415.03	100.00	415.03	100.00

TABLE 20.2.7.1 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER
OVER THE PAST FIVE YEARS BY PRIORITY AND REASON
FOR PRIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Gurage Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	37.14	44.18	10.52	12.51	3.32	3.95
2	Favorable results	30.47	36.24	28.37	33.74	7.62	9.06
3	Improved availability	5.92	7.04	27.44	32.63	13.48	16.03
4	Lower cost of Fertilizer	1.25	1.49	-	-	1.25	1.49
5	Better access to credit	4.10	4.88	6.58	7.82	21.16	25.16
6	More effective extension service	2.21	2.63	1.34	1.59	4.43	5.27
7	Others	2.98	3.54	1.09	1.30	2.52	3.00
8	Not stated	-	-	8.75	10.41	30.32	36.05
TOTAL		84.07	100.00	84.09	100.00	84.10	100.00

TABLE 20.2.7.2 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER
OVER THE PAST FIVE YEARS BY PRIORITY AND REASON
FOR PRIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Hadiya Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	57.82	56.35	18.77	18.29	5.18	5.05
2	Favorable results	34.74	33.86	46.52	45.34	7.24	7.06
3	Improved availability	6.88	6.71	19.51	19.02	29.09	28.35
4	Lower cost of Fertilizer	-	-	1.88	1.83	1.19	1.16
5	Better access to credit	-	-	7.04	6.86	19.88	19.38
6	More effective extension service	2.63	2.56	3.23	3.15	21.98	21.42
7	Others	.53	.52	.73	.71	.75	.73
8	Not stated	-	-	4.92	4.80	17.29	16.85
	TOTAL	102.60	100.00	102.60	100.00	102.60	100.00

TABLE 20.2.7.3 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER
OVER THE PAST FIVE YEARS BY PRIORITY AND REASON
FOR PRIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Kembata Alaba Tembaro Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	36.74	52.17	8.12	11.53	4.17	5.92
2	Favorable results	27.83	39.51	28.65	40.68	4.56	6.47
3	Improved availability	4.55	6.46	15.25	21.66	14.56	20.67
4	Lower cost of Fertilizer	.21	.30	.39	.55	.21	.30
5	Better access to credit	.21	.30	4.88	6.93	4.73	6.71
6	More effective extension service	.24	.34	4.85	6.89	8.34	11.84
7	Others	.65	.92	1.07	1.52	1.01	1.43
8	Not stated	-	-	7.21	10.24	32.87	46.66
	TOTAL	70.43	100.00	70.42	100.00	70.45	100.00

TABLE 20.2.7.4 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER
OVER THE PAST FIVE YEARS BY PRIORITY AND REASON
FOR PRIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Sidama Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	41.17	50.48	8.90	10.91	.35	.43
2	Favorable results	35.68	43.75	38.96	47.77	.35	.43
3	Improved availability	1.14	1.40	14.76	18.10	10.24	12.56
4	Lower cost of Fertilizer	-	-	2.26	2.77	2.92	3.58
5	Better access to credit	-	-	-	-	3.62	4.44
6	More effective extension service	2.56	3.14	1.58	1.94	13.60	16.67
7	Others	-	-	-	-	11.61	14.23
8	Not stated	1.00	1.23	15.09	18.50	38.87	47.66
	TOTAL	81.55	100.00	81.55	100.00	81.56	100.00

TABLE 20.2.7.5 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER
OVER THE PAST FIVE YEARS BY PRIORITY AND REASON
FOR PRIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Gedio Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	.28	30.43	.28	30.43	-	-
2	Favorable results	.46	50.00	.28	30.43	-	-
3	Improved availability	-	-	-	-	-	-
4	Lower cost of Fertilizer	.18	19.57	.18	19.57	-	-
5	Better access to credit	-	-	.18	19.57	-	-
6	More effective extension service	-	-	-	-	.36	39.13
7	Others	-	-	-	-	-	-
8	Not stated	-	-	-	-	.56	60.87
	TOTAL	.92	100.00	.92	100.00	.92	100.00

TABLE 20.2.7.6 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

North Omo Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	45.16	68.49	3.83	5.81	2.89	4.38
2	Favorable results	12.59	19.09	43.58	66.07	4.90	7.43
3	Improved availability	3.69	5.60	8.92	13.52	15.50	23.50
4	Lower cost of Fertilizer	1.32	2.00	2.63	3.99	2.58	3.91
5	Better access to credit	-	-	1.23	1.86	9.52	14.43
6	More effective extension service	3.18	4.82	5.07	7.69	11.58	17.56
7	Others	-	-	-	-	.67	1.02
8	Not stated	-	-	.70	1.06	18.32	27.77
	TOTAL	65.94	100.00	65.96	100.00	65.96	100.00

TABLE 20.2.7.7 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

South Omo Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	-	-	-	-	-	-
2	Favorable results	-	-	-	-	-	-
3	Improved availability	-	-	-	-	-	-
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	-	-	-	-	-	-
6	More effective extension service	.26	100.00	-	-	-	-
7	Others	-	-	-	-	-	-
8	Not stated	-	-	.26	100.00	.26	100.00
	TOTAL	.26	100.00	.26	100.00	.26	100.00

TABLE 20.2.7.8 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER
OVER THE PAST FIVE YEARS BY PRIORITY AND REASON
FOR PRIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Kaffi-ho-Shekicho Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	.19	13.10	-	-	.14	9.72
2	Favorable results	.14	9.66	.19	13.19	-	-
3	Improved availability	.43	29.66	.35	24.31	-	-
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	-	-	-	-	.21	14.58
6	More effective extension service	.40	27.59	.43	29.86	-	-
7	Others	-	-	-	-	-	-
8	Not stated	.29	20.00	.47	32.64	1.09	75.69
	TOTAL	1.45	100.00	1.44	100.00	1.44	100.00

TABLE 20.2.7.9 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER
OVER THE PAST FIVE YEARS BY PRIORITY AND REASON
FOR PRIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Bench-Maji Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	.24	12.50	.54	28.13	-	-
2	Favorable results	.49	25.52	.10	5.21	.22	11.52
3	Improved availability	.10	5.21	.44	22.92	.65	34.03
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	.22	11.46	.16	8.33	-	-
6	More effective extension service	.87	45.31	.45	23.44	.14	7.33
7	Others	-	-	.12	6.25	-	-
8	Not stated	-	-	.11	5.73	.90	47.12
	TOTAL	1.92	100.00	1.92	100.00	1.91	100.00

TABLE 20.2.7.10 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER
OVER THE PAST FIVE YEARS BY PRIORITY AND REASON
FOR PRIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Yem Special Wereda Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	3.16	67.09	.68	14.47	.15	3.19
2	Favorable results	.96	20.38	2.36	50.21	.34	7.23
3	Improved availability	.06	1.27	.48	10.21	.28	5.96
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	.50	10.62	.20	4.26	.22	4.68
6	More effective extension service	.03	.64	.14	2.98	.51	10.85
7	Others	-	-	.03	.64	.03	.64
8	Not stated	-	-	.81	17.23	3.17	67.45
	TOTAL	4.71	100.00	4.70	100.00	4.70	100.00

TABLE 20.2.7.11 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER
OVER THE PAST FIVE YEARS BY PRIORITY AND REASON
FOR PRIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Amaro Special Wereda Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	.05	33.33	-	-	-	-
2	Favorable results	.10	66.67	-	-	-	-
3	Improved availability	-	-	.15	100.00	-	-
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	-	-	-	-	-	-
6	More effective extension service	-	-	-	-	.15	100.00
7	Others	-	-	-	-	-	-
8	Not stated	-	-	-	-	-	-
	TOTAL	.15	100.00	.15	100.00	.15	100.00

TABLE 20.2.7.12 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Burji Special Wereda Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	.23	41.07	.07	12.28	-	-
2	Favorable results	.20	35.71	.22	38.60	.03	5.26
3	Improved availability	.13	23.21	.03	5.26	.18	31.58
4	Lower cost of Fertilizer	-	-	.02	3.51	-	-
5	Better access to credit	-	-	.17	29.82	.14	24.56
6	More effective extension service	-	-	.06	10.53	.16	28.07
7	Others	-	-	-	-	.03	5.26
8	Not stated	-	-	-	-	.03	5.26
TOTAL		.56	100.00	.57	100.00	.57	100.00

TABLE 20.2.7.13 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Konso Special Wereda Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	-	-	.14	35.00	.15	37.50
2	Favorable results	.33	82.50	-	-	.07	17.50
3	Improved availability	-	-	-	-	.11	27.50
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	-	-	-	-	-	-
6	More effective extension service	.07	17.50	.26	65.00	.07	17.50
7	Others	-	-	-	-	-	-
8	Not stated	-	-	-	-	-	-
TOTAL		.40	100.00	.40	100.00	.40	100.00

TABLE 20.2.7.14 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER
OVER THE PAST FIVE YEARS BY PRIORITY AND REASON
FOR PRIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Derashe Special Wereda Zone ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	.04	100.00	-	-	-	-
2	Favorable results	-	-	.02	50.00	-	-
3	Improved availability	-	-	-	-	.02	50.00
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	-	-	-	-	-	-
6	More effective extension service	-	-	.02	50.00	.02	50.00
7	Others	-	-	-	-	-	-
8	Not stated	-	-	-	-	-	-
	TOTAL	.04	100.00	.04	100.00	.04	100.00

TABLE 20.2.8 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Gambela ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	-	-	.03	2.61	.12	10.34
2	Favorable results	.65	56.03	.14	12.17	.06	5.17
3	Improved availability	-	-	.12	10.43	.06	5.17
4	Lower cost of Fertilizer	-	-	.09	7.83	.09	7.76
5	Better access to credit	.09	7.76	.09	7.83	.04	3.45
6	More effective extension service	.42	36.21	.33	28.70	.12	10.34
7	Others	-	-	.10	8.70	-	-
8	Not stated	-	-	.25	21.74	.67	57.76
TOTAL		1.16	100.00	1.15	100.00	1.16	100.00

TABLE 20.2.9 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Harari ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	1.32	60.55	.27	12.44	.04	1.83
2	Favorable results	.76	34.86	1.21	55.76	.02	.92
3	Improved availability	.04	1.83	.05	2.30	.36	16.51
4	Lower cost of Fertilizer	-	-	-	-	-	-
5	Better access to credit	.02	.92	.13	5.99	.09	4.13
6	More effective extension service	-	-	.10	4.61	.08	3.67
7	Others	.02	.92	.04	1.84	.30	13.76
8	Not stated	.02	.92	.37	17.05	1.29	59.17
TOTAL		2.18	100.00	2.17	100.00	2.18	100.00

TABLE 20.2.10 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER
OVER THE PAST FIVE YEARS BY PRIORITY AND REASON
FOR PRIVATE PEASANT HOLDINGS
1996/97(1989 E.C)

Addis Ababa ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	.95	53.37	.37	20.90	.05	2.81
2	Favorable results	.64	35.96	.66	37.29	.17	9.55
3	Improved availability	.09	5.06	.37	20.90	.50	28.09
4	Lower cost of Fertilizer	-	-	-	-	.01	.56
5	Better access to credit	-	-	.15	8.47	.10	5.62
6	More effective extension service	.01	.56	.04	2.26	.06	3.37
7	Others	.09	5.06	.02	1.13	.10	5.62
8	Not stated	-	-	.16	9.04	.79	44.38
	TOTAL	1.78	100.00	1.77	100.00	1.78	100.00

TABLE 20.2.11 DSTRIBUTION OF HHS REPORTING INCREASED USE OF FERTILIZER OVER THE PAST FIVE YEARS BY PRIORITY AND REASON FOR PRIVATE PEASANT HOLDINGS 1996/97(1989 E.C)

Dire Dawa ('000)

SER. Nº	REASON FOR INCREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		NO.	%	NO.	%	NO.	%
1	Declining soil productivity	.17	27.87	.08	13.11	.02	3.28
2	Favorable results	.37	60.66	.17	27.87	.02	3.28
3	Improved availability	-	-	.15	24.59	.07	11.48
4	Lower cost of Fertilizer	-	-	-	-	.04	6.56
5	Better access to credit	-	-	-	-	.08	13.11
6	More effective extension service	.02	3.28	.02	3.28	.06	9.84
7	Others	.05	8.20	-	-	.05	8.20
8	Not stated	-	-	.19	31.15	.27	44.26
	TOTAL	.61	100.00	.61	100.00	.61	100.00

TABLE 20.3 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

National

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	37.84	5.98	14.01	2.21	6.78	1.07
2	No percieved gain	71.45	11.29	50.51	7.98	24.55	3.88
3	Reduction in avaiability of fertilizer	79.49	12.56	93.92	14.84	54.38	8.59
4	Increase in cost of fertilizer	331.24	52.32	147.38	23.28	28.85	4.56
5	Decrease in credita vailability	15.26	2.41	104.00	16.43	103.53	16.35
7	Others	91.72	14.49	79.21	12.51	42.57	6.72
8	Not stated	6.06	.96	144.04	22.75	372.39	58.82
TOTAL		633.06	100.00	633.07	100.00	633.05	100.00

TABLE 20.3.1 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Tigray

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	3.97	16.46	.79	3.28	.41	1.70
2	No percieved gain	8.35	34.62	4.11	17.04	.45	1.87
3	Reduction in avaiability of fertilizer	1.30	5.39	1.76	7.30	.73	3.03
4	Increase in cost of fertilizer	3.40	14.10	6.55	27.16	2.17	9.00
5	Decrease in credita vailability	.55	2.28	1.35	5.60	1.72	7.13
7	Others	6.07	25.17	2.39	9.91	3.15	13.06
8	Not stated	.48	1.99	7.17	29.73	15.49	64.22
TOTAL		24.12	100.00	24.12	100.00	24.12	100.00

TABLE 20.3.1.1 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

West Tigray Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	2.05	34.75	.22	3.73	.22	3.74
2	No percieved gain	1.95	33.05	2.49	42.20	.21	3.57
3	Reduction in avaiability of fertilizer	-	-	-	-	.43	7.30
4	Increase in cost of fertilizer	1.04	17.63	2.11	35.76	1.91	32.43
5	Decrease in credita vailability	-	-	.68	11.53	1.03	17.49
7	Others	.86	14.58	.19	3.22	1.07	18.17
8	Not stated	-	-	.21	3.56	1.02	17.32
TOTAL		5.90	100.00	5.90	100.00	5.89	100.00

TABLE 20.3.1.2 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Central Tigray Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.31	6.54	.57	12.00	-	-
2	No percieved gain	2.03	42.83	.59	12.42	-	-
3	Reduction in avaiability of fertilizer	.28	5.91	.30	6.32	.30	6.34
4	Increase in cost of fertilizer	1.50	31.65	1.79	37.68	.26	5.50
5	Decrease in credita vailability	-	-	.30	6.32	.28	5.92
7	Others	.62	13.08	.62	13.05	.60	12.68
8	Not stated	-	-	.58	12.21	3.29	69.56
TOTAL		4.74	100.00	4.75	100.00	4.73	100.00

TABLE 20.3.1.3 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

East Tigray Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.35	10.90	-	-	.18	5.63
2	No percieved gain	.34	10.59	.37	11.56	-	-
3	Reduction in avaiability of fertilizer	.76	23.68	.50	15.63	-	-
4	Increase in cost of fertilizer	.86	26.79	1.46	45.63	-	-
5	Decrease in credita vailability	.55	17.13	.37	11.56	.18	5.63
7	Others	.35	10.90	-	-	.72	22.50
8	Not stated	-	-	.50	15.63	2.12	66.25
TOTAL		3.21	100.00	3.20	100.00	3.20	100.00

TABLE 20.3.1.4 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

South Tigray Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	1.26	12.27	-	-	-	-
2	No percieved gain	4.03	39.24	.66	6.43	.24	2.34
3	Reduction in avaiability of fertilizer	.26	2.53	.95	9.26	-	-
4	Increase in cost of fertilizer	-	-	1.18	11.50	-	-
5	Decrease in credita vailability	-	-	-	-	.22	2.14
7	Others	4.24	41.29	1.59	15.50	.76	7.40
8	Not stated	.48	4.67	5.88	57.31	9.05	88.12
TOTAL		10.27	100.00	10.26	100.00	10.27	100.00

TABLE 20.3.2 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Afar

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	-	-	-	-	-	-
2	No percieved gain	-	-	-	-	-	-
3	Reduction in avaiability of fertilizer	-	-	-	-	-	-
4	Increase in cost of fertilizer	.08	100.00	-	-	-	-
5	Decrease in credita vailability	-	-	-	-	-	-
7	Others	-	-	.08	100.00	-	-
8	Not stated	-	-	-	-	.08	100.00
TOTAL		.08	100.00	.08	100.00	.08	100.00

TABLE 20.3.2.1 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Zone 3 Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	-	-	-	-	-	-
2	No percieved gain	-	-	-	-	-	-
3	Reduction in avaiability of fertilizer	-	-	-	-	-	-
4	Increase in cost of fertilizer	.08	100.00	-	-	-	-
5	Decrease in credita vailability	-	-	-	-	-	-
7	Others	-	-	.08	100.00	-	-
8	Not stated	-	-	-	-	.08	100.00
TOTAL		.08	100.00	.08	100.00	.08	100.00

TABLE 20.3.3 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Amhara

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	7.42	6.93	-	-	1.44	1.35
2	No percieved gain	19.93	18.62	8.31	7.76	4.40	4.11
3	Reduction in avaiability of fertilizer	6.58	6.15	10.95	10.23	5.50	5.14
4	Increase in cost of fertilizer	44.61	41.67	26.64	24.88	5.03	4.70
5	Decrease in credita vailability	.46	.43	12.72	11.88	5.68	5.31
7	Others	24.61	22.99	17.17	16.04	8.72	8.14
8	Not stated	3.44	3.21	31.27	29.21	76.29	71.26
TOTAL		107.05	100.00	107.06	100.00	107.06	100.00

TABLE 20.3.3.1 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

North Gonder Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	-	-	-	-	-	-
2	No percieved gain	1.77	12.79	1.79	12.94	.60	4.34
3	Reduction in avaiability of fertilizer	-	-	2.03	14.68	.60	4.34
4	Increase in cost of fertilizer	8.96	64.74	1.63	11.79	.44	3.18
5	Decrease in credita vailability	-	-	1.92	13.88	.44	3.18
7	Others	3.11	22.47	4.48	32.39	1.19	8.60
8	Not stated	-	-	1.98	14.32	10.56	76.36
TOTAL		13.84	100.00	13.83	100.00	13.83	100.00

TABLE 20.3.3.2 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

South Gonder Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	-	-	-	-	-	-
2	No percieved gain	1.36	18.13	-	-	-	-
3	Reduction in avaiability of fertilizer	-	-	.80	10.67	-	-
4	Increase in cost of fertilizer	3.63	48.40	1.06	14.13	.39	5.19
5	Decrease in credita vailability	-	-	.49	6.53	.94	12.52
7	Others	1.01	13.47	2.73	36.40	.51	6.79
8	Not stated	1.50	20.00	2.42	32.27	5.67	75.50
TOTAL		7.50	100.00	7.50	100.00	7.51	100.00

TABLE 20.3.3.3 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

North Wolo Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.38	4.80	-	-	.80	10.11
2	No percieved gain	3.92	49.56	1.14	14.41	-	-
3	Reduction in avaiability of fertilizer	.71	8.98	2.14	27.05	.36	4.55
4	Increase in cost of fertilizer	2.90	36.66	2.17	27.43	.36	4.55
5	Decrease in credita vailability	-	-	-	-	-	-
7	Others	-	-	1.99	25.16	.67	8.47
8	Not stated	-	-	.47	5.94	5.72	72.31
TOTAL		7.91	100.00	7.91	100.00	7.91	100.00

TABLE 20.3.3.4 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

South Wolo Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	1.27	17.30	-	-	.63	8.61
2	No percieved gain	2.38	32.43	1.86	25.34	.63	8.61
3	Reduction in avaiability of fertilizer	.63	8.58	-	-	-	-
4	Increase in cost of fertilizer	1.20	16.35	2.53	34.47	.63	8.61
5	Decrease in credita vailability	-	-	.61	8.31	.61	8.33
7	Others	1.86	25.34	1.19	16.21	-	-
8	Not stated	-	-	1.15	15.67	4.82	65.85
	TOTAL	7.34	100.00	7.34	100.00	7.32	100.00

TABLE 20.3.3.5 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

North Shewa Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	1.63	21.11	-	-	-	-
2	No percieved gain	1.59	20.60	.42	5.43	.81	10.51
3	Reduction in avaiability of fertilizer	-	-	-	-	.81	10.51
4	Increase in cost of fertilizer	2.02	26.17	2.42	31.31	-	-
5	Decrease in credita vailability	-	-	.82	10.61	-	-
7	Others	2.48	32.12	1.22	15.78	.41	5.32
8	Not stated	-	-	2.85	36.87	5.68	73.67
	TOTAL	7.72	100.00	7.73	100.00	7.71	100.00

TABLE 20.3.3.6 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

East Gojam Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	1.67	5.34	-	-	-	-
2	No percieved gain	4.01	12.82	.88	2.81	.76	2.43
3	Reduction in avaiability of fertilizer	1.56	4.99	2.26	7.23	1.31	4.19
4	Increase in cost of fertilizer	14.73	47.11	5.49	17.55	.76	2.43
5	Decrease in credita vailability	-	-	7.79	24.90	.45	1.44
7	Others	8.22	26.29	2.25	7.19	3.51	11.23
8	Not stated	1.08	3.45	12.61	40.31	24.47	78.28
TOTAL		31.27	100.00	31.28	100.00	31.26	100.00

TABLE 20.3.3.7 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

West Gojam Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	1.78	7.11	-	-	-	-
2	No percieved gain	3.19	12.74	1.55	6.19	1.36	5.43
3	Reduction in avaiability of fertilizer	3.12	12.47	3.24	12.93	1.84	7.35
4	Increase in cost of fertilizer	8.38	33.48	9.53	38.04	2.46	9.82
5	Decrease in credita vailability	.46	1.84	.41	1.64	2.78	11.10
7	Others	7.24	28.93	2.37	9.46	2.09	8.35
8	Not stated	.86	3.44	7.95	31.74	14.51	57.95
TOTAL		25.03	100.00	25.05	100.00	25.04	100.00

TABLE 20.3.3.8 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Waghamera Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	-	-	-	-	-	-
2	No percieved gain	.34	100.00	-	-	-	-
3	Reduction in avaiability of fertilizer	-	-	-	-	.12	35.29
4	Increase in cost of fertilizer	-	-	.34	100.00	-	-
5	Decrease in credita vailability	-	-	-	-	-	-
7	Others	-	-	-	-	-	-
8	Not stated	-	-	-	-	.22	64.71
TOTAL		.34	100.00	.34	100.00	.34	100.00

TABLE 20.3.3.9 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Agewawia Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.69	11.58	-	-	-	-
2	No percieved gain	1.24	20.81	.68	11.39	.23	3.86
3	Reduction in avaiability of fertilizer	.56	9.40	.47	7.87	.45	7.55
4	Increase in cost of fertilizer	2.78	46.64	1.48	24.79	-	-
5	Decrease in credita vailability	-	-	.69	11.56	.46	7.72
7	Others	.69	11.58	.94	15.75	.33	5.54
8	Not stated	-	-	1.71	28.64	4.49	75.34
TOTAL		5.96	100.00	5.97	100.00	5.96	100.00

TABLE 20.3.3.10 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Oromia Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	-	-	-	-	-	-
2	No percieved gain	.13	100.00	-	-	-	-
3	Reduction in avaiability of fertilizer	-	-	-	-	-	-
4	Increase in cost of fertilizer	-	-	-	-	-	-
5	Decrease in credita vailability	-	-	-	-	-	-
7	Others	-	-	-	-	-	-
8	Not stated	-	-	.13	100.00	.13	100.00
TOTAL		.13	100.00	.13	100.00	.13	100.00

TABLE 20.3.4 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Oromia

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	20.22	5.46	9.86	2.66	2.04	.55
2	No percieved gain	29.06	7.85	27.72	7.49	13.52	3.65
3	Reduction in avaiability of fertilizer	56.96	15.38	59.83	16.16	26.24	7.09
4	Increase in cost of fertilizer	208.73	56.37	84.60	22.85	16.35	4.42
5	Decrease in credita vailability	9.44	2.55	60.26	16.27	74.77	20.19
7	Others	44.00	11.88	46.17	12.47	19.15	5.17
8	Not stated	1.90	.51	81.87	22.11	218.25	58.94
	TOTAL	370.31	100.00	370.31	100.00	370.32	100.00

TABLE 20.3.4.1 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

West Welega Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	-	-	-	-	.41	3.78
2	No percieved gain	.81	7.48	.40	3.70	.40	3.69
3	Reduction in avaiability of fertilizer	1.21	11.17	3.52	32.53	.80	7.38
4	Increase in cost of fertilizer	7.23	66.76	1.59	14.70	1.59	14.67
5	Decrease in credita vailability	-	-	2.84	26.25	2.36	21.77
7	Others	1.58	14.59	.41	3.79	.78	7.20
8	Not stated	-	-	2.06	19.04	4.50	41.51
	TOTAL	10.83	100.00	10.82	100.00	10.84	100.00

TABLE 20.3.4.2 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

East Welega Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	2.83	15.91	.32	1.80	.32	1.80
2	No percieved gain	1.87	10.51	3.28	18.45	.66	3.71
3	Reduction in avaiability of fertilizer	2.62	14.73	1.98	11.14	.97	5.45
4	Increase in cost of fertilizer	8.85	49.75	2.44	13.72	.31	1.74
5	Decrease in credita vailability	-	-	1.45	8.16	1.71	9.61
7	Others	1.62	9.11	2.14	12.04	1.00	5.62
8	Not stated	-	-	6.17	34.70	12.82	72.06
TOTAL		17.79	100.00	17.78	100.00	17.79	100.00

TABLE 20.3.4.3 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Illibabor Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.21	1.16	.49	2.70	-	-
2	No percieved gain	4.56	25.15	.71	3.91	-	-
3	Reduction in avaiability of fertilizer	.93	5.13	.22	1.21	.45	2.48
4	Increase in cost of fertilizer	5.61	30.94	5.23	28.83	.49	2.70
5	Decrease in credita vailability	-	-	.39	2.15	3.15	17.36
7	Others	6.82	37.62	.68	3.75	1.59	8.77
8	Not stated	-	-	10.42	57.44	12.46	68.69
TOTAL		18.13	100.00	18.14	100.00	18.14	100.00

TABLE 20.3.4.4 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Jimma Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	3.19	7.47	1.87	4.38	-	-
2	No percieved gain	.50	1.17	.56	1.31	.49	1.15
3	Reduction in avaiability of fertilizer	3.56	8.34	7.30	17.09	1.87	4.38
4	Increase in cost of fertilizer	33.20	77.73	4.18	9.79	1.04	2.43
5	Decrease in credita vailability	.58	1.36	4.32	10.11	6.76	15.82
7	Others	1.68	3.93	11.98	28.05	2.98	6.98
8	Not stated	-	-	12.50	29.27	29.58	69.24
	TOTAL	42.71	100.00	42.71	100.00	42.72	100.00

TABLE 20.3.4.5 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

West Shewa Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	4.67	5.08	2.30	2.50	-	-
2	No percieved gain	7.16	7.79	7.00	7.62	2.41	2.62
3	Reduction in avaiability of fertilizer	19.45	21,16	13.74	14.95	1.67	1.82
4	Increase in cost of fertilizer	51.23	55.74	24.89	27.08	2.08	2.26
5	Decrease in credita vailability	1.19	1.29	17.29	18.81	19.08	20.76
7	Others	7.62	8.29	9.68	10.53	5.55	6.04
8	Not stated	.59	.64	17.01	18.51	61.11	66.50
	TOTAL	91.91	100.00	91.91	100.00	91.90	100.00

TABLE 20.3.4.6 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

North Shewa Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	1.52	14.74	-	-	-	-
2	No percieved gain	1.05	10.18	2.24	21.79	-	-
3	Reduction in avaiability of fertilizer	1.55	15.03	.57	5.54	1.19	11.56
4	Increase in cost of fertilizer	4.67	45.30	1.58	15.37	.77	7.48
5	Decrease in credita vailability	.30	2.91	2.87	27.92	1.59	15.45
7	Others	.92	8.92	1.04	10.12	.17	1.65
8	Not stated	.30	2.91	1.98	19.26	6.57	63.85
TOTAL		10.31	100.00	10.28	100.00	10.29	100.00

TABLE 20.3.4.7 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

East Shewa Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.26	.57	1.63	3.56	.35	.76
2	No percieved gain	1.94	4.23	2.31	5.04	.68	1.48
3	Reduction in avaiability of fertilizer	10.29	22.46	14.12	30.82	1.94	4.23
4	Increase in cost of fertilizer	23.52	51.34	9.54	20.82	2.72	5.93
5	Decrease in credita vailability	.27	.59	4.22	9.21	15.43	33.66
7	Others	8.83	19.28	2.42	5.28	.35	.76
8	Not stated	.70	1.53	11.58	25.27	24.37	53.16
TOTAL		45.81	100.00	45.82	100.00	45.84	100.00

TABLE 20.3.4.8 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Arsi Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	4.17	6.00	2.21	3.18	.52	.75
2	No percieved gain	4.81	6.93	7.97	11.48	7.26	10.45
3	Reduction in avaiability of fertilizer	14.11	20.32	8.37	12.05	9.21	13.26
4	Increase in cost of fertilizer	34.84	50.17	21.47	30.92	4.05	5.83
5	Decrease in credita vailability	3.94	5.67	10.06	14.49	11.60	16.70
7	Others	7.58	10.91	8.35	12.02	3.19	4.59
8	Not stated	-	-	11.01	15.86	33.63	48.42
TOTAL		69.45	100.00	69.44	100.00	69.46	100.00

TABLE 20.3.4.9 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

West Harerge Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.72	9.63	-	-	-	-
2	No percieved gain	1.08	14.44	.31	4.14	-	-
3	Reduction in avaiability of fertilizer	.95	12.70	1.16	15.49	.93	12.43
4	Increase in cost of fertilizer	1.87	25.00	3.46	46.19	.89	11.90
5	Decrease in credita vailability	1.80	24.06	.29	3.87	.93	12.43
7	Others	.75	10.03	1.21	16.15	.42	5.61
8	Not stated	.31	4.14	1.06	14.15	4.31	57.62
TOTAL		7.48	100.00	7.49	100.00	7.48	100.00

TABLE 20.3.4.10 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

East Harerge Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.82	2.56	-	-	-	-
2	No percieved gain	2.70	8.43	1.51	4.72	.78	2.44
3	Reduction in avaiability of fertilizer	1.49	4.65	6.86	21.43	6.54	20.43
4	Increase in cost of fertilizer	23.61	73.76	4.89	15.28	1.08	3.37
5	Decrease in credita vailability	1.35	4.22	9.01	28.15	9.37	29.27
7	Others	2.04	6.37	6.96	21.74	2.10	6.56
8	Not stated	-	-	2.78	8.68	12.14	37.93
TOTAL		32.01	100.00	32.01	100.00	32.01	100.00

TABLE 20.3.4.11 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Bale Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	1.83	8.66	1.03	4.87	.45	2.13
2	No percieved gain	1.10	5.20	1.42	6.71	.84	3.97
3	Reduction in avaiability of fertilizer	.79	3.74	1.17	5.53	.27	1.28
4	Increase in cost of fertilizer	12.85	60.79	3.84	18.15	1.33	6.29
5	Decrease in credita vailability	-	-	7.09	33.51	1.79	8.46
7	Others	4.57	21.62	1.30	6.14	.61	2.88
8	Not stated	-	-	5.31	25.09	15.86	74.99
TOTAL		21.14	100.00	21.16	100.00	21.15	100.00

TABLE 20.3.4.12 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Borena Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	-	-	-	-	-	-
2	No percieved gain	1.49	54.78	-	-	-	-
3	Reduction in avaiability of fertilizer	-	-	.82	30.15	.41	15.07
4	Increase in cost of fertilizer	1.23	45.22	1.49	54.78	-	-
5	Decrease in credita vailability	-	-	.41	15.07	.99	36.40
7	Others	-	-	-	-	.41	15.07
8	Not stated	-	-	-	-	.91	33.46
TOTAL		2.72	100.00	2.72	100.00	2.72	100.00

TABLE 20.3.5 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Somale

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.02	6.45	-	-	-	-
2	No percieved gain	.05	16.13	-	-	-	-
3	Reduction in avaiability of fertilizer	.12	38.71	.06	20.00	-	-
4	Increase in cost of fertilizer	-	-	.12	40.00	.02	6.45
5	Decrease in credita vailability	-	-	-	-	.12	38.71
7	Others	-	-	-	-	.05	16.13
8	Not stated	.12	38.71	.12	40.00	.12	38.71
	TOTAL	.31	100.00	.30	100.00	.31	100.00

TABLE 20.3.5.1 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Shinele Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.02	28.57	-	-	-	-
2	No percieved gain	.05	71.43	-	-	-	-
3	Reduction in avaiability of fertilizer	-	-	.06	100.00	-	-
4	Increase in cost of fertilizer	-	-	-	-	.02	28.57
5	Decrease in credita vailability	-	-	-	-	-	-
7	Others	-	-	-	-	.05	71.43
8	Not stated	-	-	-	-	-	-
	TOTAL	.07	100.00	.06	100.00	.07	100.00

TABLE 20.3.5.2 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Jijiga Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	-	-	-	-	-	-
2	No percieved gain	-	-	-	-	-	-
3	Reduction in avaiability of fertilizer	.12	50.00	-	-	-	-
4	Increase in cost of fertilizer	-	-	.12	50.00	-	-
5	Decrease in credita vailability	-	-	-	-	.12	50.00
7	Others	-	-	-	-	-	-
8	Not stated	.12	50.00	.12	50.00	.12	50.00
TOTAL		.24	100.00	.24	100.00	.24	100.00

TABLE 20.3.6 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Benshangul-Gumuz

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.16	15.38	.07	6.80	.01	.95
2	No percieved gain	.16	15.38	.07	6.80	-	-
3	Reduction in avaiability of fertilizer	.26	25.00	.24	23.30	-	-
4	Increase in cost of fertilizer	.39	37.50	.26	25.24	.09	8.57
5	Decrease in credita vailability	-	-	-	-	.25	23.81
7	Others	.07	6.73	.10	9.71	.09	8.57
8	Not stated	-	-	.29	28.16	.61	58.10
TOTAL		1.04	100.00	1.03	100.00	1.05	100.00

TABLE 20.3.6.1 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Metekel Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.07	15.22	.07	15.56	-	-
2	No percieved gain	.07	15.22	.07	15.56	-	-
3	Reduction in avaiability of fertilizer	.09	19.57	.07	15.56	-	-
4	Increase in cost of fertilizer	.16	34.78	-	-	-	-
5	Decrease in credita vailability	-	-	-	-	-	-
7	Others	.07	15.22	.07	15.56	-	-
8	Not stated	-	-	.17	37.78	.45	100.00
TOTAL		.46	100.00	.45	100.00	.45	100.00

TABLE 20.3.6.2 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Asosa Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.09	16.67	-	-	-	-
2	No percieved gain	.09	16.67	-	-	-	-
3	Reduction in avaiability of fertilizer	.17	31.48	.16	29.63	-	-
4	Increase in cost of fertilizer	.19	35.19	.26	48.15	.09	16.36
5	Decrease in credita vailability	-	-	-	-	.25	45.45
7	Others	-	-	-	-	.09	16.36
8	Not stated	-	-	.12	22.22	.12	21.82
	TOTAL	.54	100.00	.54	100.00	.55	100.00

TABLE 20.3.6.3 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Kemeshi Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	-	-	-	-	.01	25.00
2	No percieved gain	-	-	-	-	-	-
3	Reduction in avaiability of fertilizer	-	-	.01	25.00	-	-
4	Increase in cost of fertilizer	.04	100.00	-	-	-	-
5	Decrease in credita vailability	-	-	-	-	-	-
7	Others	-	-	.03	75.00	-	-
8	Not stated	-	-	-	-	.03	75.00
	TOTAL	.04	100.00	.04	100.00	.04	100.00

TABLE 20.3.7 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

(S.N.N.P.R)

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	5.98	4.68	3.26	2.55	2.88	2.26
2	No percieved gain	13.75	10.77	10.04	7.87	6.15	4.82
3	Reduction in avaiability of fertilizer	13.99	10.96	20.91	16.38	21.73	17.02
4	Increase in cost of fertilizer	72.53	56.82	28.67	22.46	5.07	3.97
5	Decrease in credita vailability	4.81	3.77	29.05	22.76	20.70	16.22
7	Others	16.55	12.97	13.03	10.21	11.16	8.74
8	Not stated	.04	.03	22.69	17.78	59.96	46.97
TOTAL		127.65	100.00	127.65	100.00	127.65	100.00

TABLE 20.3.7.1 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Gurage Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	1.10	7.29	.51	3.38	-	-
2	No percieved gain	.53	3.51	1.79	11.85	1.64	10.87
3	Reduction in avaiability of fertilizer	.53	3.51	1.07	7.09	-	-
4	Increase in cost of fertilizer	5.78	38.30	1.08	7.15	.61	4.04
5	Decrease in credita vailability	-	-	.61	4.04	1.08	7.16
7	Others	7.15	47.38	1.24	8.21	.63	4.17
8	Not stated	-	-	8.80	58.28	11.13	73.76
TOTAL		15.09	100.00	15.10	100.00	15.09	100.00

TABLE 20.3.7.2 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Hadiya Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.52	1.83	.96	3.37	.50	1.76
2	No percieved gain	3.25	11.41	2.19	7.70	2.16	7.58
3	Reduction in avaiability of fertilizer	2.59	9.09	10.31	36.23	7.70	27.04
4	Increase in cost of fertilizer	20.95	73.56	5.29	18.59	.50	1.76
5	Decrease in credita vailability	.46	1.62	6.03	21.19	10.05	35.29
7	Others	.71	2.49	.74	2.60	1.00	3.51
8	Not stated	-	-	2.94	10.33	6.57	23.07
TOTAL		28.48	100.00	28.46	100.00	28.48	100.00

TABLE 20.3.7.3 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Kembata Alaba Tembaro Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.39	1.39	.26	.93	.38	1.36
2	No percieved gain	1.63	5.82	.86	3.07	1.30	4.64
3	Reduction in avaiability of fertilizer	2.69	9.61	4.52	16.15	4.43	15.82
4	Increase in cost of fertilizer	21.13	75.49	5.36	19.15	.63	2.25
5	Decrease in credita vailability	1.89	6.75	14.30	51.09	4.08	14.57
7	Others	.26	.93	.26	.93	3.28	11.71
8	Not stated	-	-	2.43	8.68	13.90	49.64
TOTAL		27.99	100.00	27.99	100.00	28.00	100.00

TABLE 20.3.7.4 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Sidama Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.53	1.96	1.06	3.93	.62	2.30
2	No percieved gain	3.83	14.19	.71	2.63	.97	3.59
3	Reduction in avaiability of fertilizer	6.44	23.86	4.80	17.78	8.44	31.26
4	Increase in cost of fertilizer	8.81	32.64	9.34	34.61	2.17	8.04
5	Decrease in credita vailability	1.07	3.96	5.27	19.53	4.62	17.11
7	Others	6.31	23.38	1.17	4.33	.51	1.89
8	Not stated	-	-	4.64	17.19	9.67	35.81
TOTAL		26.99	100.00	26.99	100.00	27.00	100.00

TABLE 20.3.7.5 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Gedio Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.15	7.21	-	-	-	-
2	No percieved gain	-	-	.15	7.25	-	-
3	Reduction in avaiability of fertilizer	.14	6.73	-	-	.16	7.73
4	Increase in cost of fertilizer	.78	37.50	.29	14.01	.15	7.25
5	Decrease in credita vailability	-	-	.16	7.73	-	-
7	Others	1.01	48.56	.46	22.22	-	-
8	Not stated	-	-	1.01	48.79	1.76	85.02
TOTAL		2.08	100.00	2.07	100.00	2.07	100.00

TABLE 20.3.7.6 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

North Omo Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	2.77	12.43	-	-	1.06	4.76
2	No percieved gain	3.14	14.09	3.94	17.68	-	-
3	Reduction in avaiability of fertilizer	1.40	6.28	-	-	.70	3.14
4	Increase in cost of fertilizer	12.81	57.50	6.61	29.67	.70	3.14
5	Decrease in credita vailability	1.40	6.28	2.12	9.52	.70	3.14
7	Others	.76	3.41	8.91	39.99	5.25	23.56
8	Not stated	-	-	.70	3.14	13.87	62.25
TOTAL		22.28	100.00	22.28	100.00	22.28	100.00

TABLE 20.3.7.7 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

South Omo Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	-	-	.11	100.00	-	-
2	No percieved gain	.11	100.00	-	-	-	-
3	Reduction in avaiability of fertilizer	-	-	-	-	-	-
4	Increase in cost of fertilizer	-	-	-	-	-	-
5	Decrease in credita vailability	-	-	-	-	-	-
7	Others	-	-	-	-	.11	100.00
8	Not stated	-	-	-	-	-	-
TOTAL		.11	100.00	.11	100.00	.11	100.00

TABLE 20.3.7.8 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Keficho-Shekicho Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.23	27.06	-	-	-	-
2	No percieved gain	.40	47.06	.23	27.38	-	-
3	Reduction in avaiability of fertilizer	-	-	-	-	-	-
4	Increase in cost of fertilizer	-	-	-	-	-	-
5	Decrease in credita vailability	-	-	-	-	-	-
7	Others	.22	25.88	-	-	.23	27.38
8	Not stated	-	-	.61	72.62	.61	72.62
TOTAL		.85	100.00	.84	100.00	.84	100.00

TABLE 20.3.7.9 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Bench-Maji Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	-	-	-	-	-	-
2	No percieved gain	.13	72.22	-	-	-	-
3	Reduction in avaiability of fertilizer	-	-	-	-	-	-
4	Increase in cost of fertilizer	-	-	-	-	-	-
5	Decrease in credita vailability	-	-	-	-	-	-
7	Others	.05	27.78	-	-	-	-
8	Not stated	-	-	.18	100.00	.18	100.00
TOTAL		.18	100.00	.18	100.00	.18	100.00

TABLE 20.3.7.10 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Yem Special Wereda Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.22	7.24	.27	8.91	.14	4.61
2	No percieved gain	.29	9.54	.10	3.30	.07	2.30
3	Reduction in avaiability of fertilizer	.17	5.59	.21	6.93	.29	9.54
4	Increase in cost of fertilizer	2.26	74.34	.33	10.89	.17	5.59
5	Decrease in credita vailability	-		.54	17.82	.11	3.62
7	Others	.06	1.97	.20	6.60	.03	.99
8	Not stated	.04	1.32	1.38	45.54	2.23	73.36
TOTAL		3.04	100.00	3.03	100.00	3.04	100.00

TABLE 20.3.7.11 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Amaro Special Wereda Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.04	8.89	.09	20.00	.17	38.64
2	No percieved gain	.41	91.11	.04	8.89	-	-
3	Reduction in avaiability of fertilizer	-	-	-	-	-	-
4	Increase in cost of fertilizer	-	-	.27	60.00	.13	29.55
5	Decrease in credita vailability	-	-	-	-	-	-
7	Others	-	-	.05	11.11	.09	20.45
8	Not stated	-	-	-	-	.05	11.36
TOTAL		.45	100.00	.45	100.00	.44	100.00

TABLE 20.3.7.12 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Burji Special Wereda Zone

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.03	23.08	-	-	.02	14.29
2	No percieved gain	.03	23.08	.02	15.38	-	-
3	Reduction in avaiability of fertilizer	.03	23.08	-	-	.02	14.29
4	Increase in cost of fertilizer	.02	15.38	.09	69.23	.02	14.29
5	Decrease in credita vailability	-	-	.02	15.38	.06	42.86
7	Others	.02	15.38	-	-	.02	14.29
8	Not stated	-	-	-	-	-	-
TOTAL		.13	100.00	.13	100.00	.14	100.00

TABLE 20.3.8 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Gambela

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	-	-	-	-	-	-
2	No percieved gain	-	-	.03	50.00	-	-
3	Reduction in avaiability of fertilizer	-	-	-	-	.03	50.00
4	Increase in cost of fertilizer	-	-	-	-	-	-
5	Decrease in credita vailability	-	-	-	-	-	-
7	Others	.03	50.00	-	-	-	-
8	Not stated	.03	50.00	.03	50.00	.03	50.00
TOTAL		.06	100.00	.06	100.00	.06	100.00

TABLE 20.3.9 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Harari

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.04	2.21	-	-	-	-
2	No percieved gain	.16	8.84	.14	7.65	.02	1.10
3	Reduction in avaiability of fertilizer	.27	14.92	.14	7.65	.13	7.14
4	Increase in cost of fertilizer	.97	53.59	.49	26.78	.11	6.04
5	Decrease in credita vailability	-	-	.59	32.24	.28	15.38
7	Others	.33	18.23	.21	11.48	.22	12.09
8	Not stated	.04	2.21	.26	14.21	1.06	58.24
TOTAL		1.81	100.00	1.83	100.00	1.82	100.00

TABLE 20.3.10 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Addis Ababa

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	.03	5.00	.04	6.45	-	-
2	No percieved gain	.01	1.67	.08	12.90	.01	1.64
3	Reduction in avaiability of fertilizer	.01	1.67	.01	1.61	.02	3.28
4	Increase in cost of fertilizer	.49	81.67	.05	8.06	.01	1.64
5	Decrease in credita vailability	-	-	.04	6.45	.03	4.92
7	Others	.06	10.00	.05	8.06	.02	3.28
8	Not stated	-	-	.35	56.45	.52	85.25
TOTAL		.60	100.00	.62	100.00	.61	100.00

TABLE 20.3.11 DISTRIBUTION OF HHS WHO REPORTED THE DECREASE OF FERTILIZER APPLICATION OVER THE PAST 5 YEARS BY PRIORITY AND REASON FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Dire Dawa

SER. Nº	REASON FOR DECREASING THE USE OF FERTILIZER	FIRST REASON		SECOND REASON		THIRD REASON	
		No.	%	No.	%	No.	%
1	Improved soil productivity	-	-	-	-	-	-
2	No percieved gain	-	-	-	-	-	-
3	Reduction in avaiability of fertilizer	-	-	.02	100.00	-	-
4	Increase in cost of fertilizer	.02	100.00	-	-	-	-
5	Decrease in credita vailability	-	-	-	-	-	-
7	Others	-	-	-	-	.02	100.00
8	Not stated	-	-	-	-	-	-
TOTAL		.02	100.00	.02	100.00	.02	100.00

TABLE 20.4 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

National ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	1,232.48	20.80	417.47	7.05
2	Higher cost of Fertilizer	1,040.56	17.56	817.38	13.80
3	Non availability of money	1,814.08	30.62	1,185.78	20.01
4	Non availability of commercial fertilizer	464.10	7.83	658.10	11.11
5	Lack of credit	67.37	1.14	474.02	8.00
6	Risk of loss	323.26	5.46	853.93	14.41
7	Others	891.64	15.05	457.92	7.73
8	Not stated	91.35	1.54	1,060.25	17.89
TOTAL		5,924.84	100.00	5,924.85	100.00

TABLE 20.4.1 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Tigray ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	96.66	25.79	26.25	7.00
2	Higher cost of Fertilizer	71.12	18.97	41.93	11.19
3	Non availability of money	113.39	30.25	95.58	25.50
4	Non availability of commercial fertilizer	26.68	7.12	38.15	10.18
5	Lack of credit	2.99	.80	26.93	7.18
6	Risk of loss	26.83	7.16	82.45	22.00
7	Others	33.73	9.00	23.42	6.25
8	Not stated	3.42	.91	40.12	10.70
TOTAL		374.82	100.00	374.83	100.00

TABLE 20.4.1.1 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

West Tigray Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	30.35	34.81	8.45	9.69
2	Higher cost of Fertilizer	14.68	16.84	7.69	8.82
3	Non availability of money	15.16	17.39	21.49	24.65
4	Non availability of commercial fertilizer	13.98	16.04	12.43	14.26
5	Lack of credit	.20	.23	1.90	2.18
6	Risk of loss	3.60	4.13	15.53	17.81
7	Others	8.79	10.08	7.34	8.42
8	Not stated	.42	.48	12.35	14.17
TOTAL		87.18	100.00	87.18	100.00

TABLE 20.4.1.2 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Central Tigray Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	34.48	27.40	9.27	7.37
2	Higher cost of Fertilizer	22.70	18.04	16.55	13.15
3	Non availability of money	41.59	33.05	31.04	24.66
4	Non availability of commercial fertilizer	8.06	6.40	18.47	14.68
5	Lack of credit	1.29	1.03	10.93	8.68
6	Risk of loss	9.34	7.42	24.66	19.59
7	Others	8.06	6.40	6.65	5.28
8	Not stated	.33	.26	8.28	6.58
	TOTAL	125.85	100.00	125.85	100.00

TABLE 20.4.1.3 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

East Tigray Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	19.82	24.99	3.36	4.24
2	Higher cost of Fertilizer	21.09	26.59	9.41	11.86
3	Non availability of money	25.80	32.53	21.86	27.56
4	Non availability of commercial fertilizer	1.66	2.09	5.40	6.81
5	Lack of credit	.55	.69	6.33	7.98
6	Risk of loss	3.67	4.63	19.70	24.83
7	Others	5.30	6.68	6.39	8.05
8	Not stated	1.42	1.79	6.88	8.67
	TOTAL	79.31	100.00	79.33	100.00

TABLE 20.4.1.4 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

South Tigray Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	11.80	14.34	5.17	6.29
2	Higher cost of Fertilizer	12.66	15.39	8.28	10.07
3	Non availability of money	30.84	37.49	21.19	25.76
4	Non availability of commercial fertilizer	2.97	3.61	1.63	1.98
5	Lack of credit	.95	1.15	7.77	9.45
6	Risk of loss	10.22	12.42	22.56	27.43
7	Others	11.57	14.07	3.04	3.70
8	Not stated	1.25	1.52	12.61	15.33
TOTAL		82.26	100.00	82.25	100.00

TABLE 20.4.2 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Afar ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	9.48	27.19	1.99	5.71
2	Higher cost of Fertilizer	.97	2.78	2.42	6.94
3	Non availability of money	4.24	12.16	5.73	16.44
4	Non availability of commercial fertilizer	17.09	49.02	12.37	35.48
5	Lack of credit	.25	.72	1.40	4.02
6	Risk of loss	-	-	4.13	11.85
7	Others	2.53	7.26	.62	1.78
8	Not stated	.30	.86	6.20	17.79
TOTAL		34.86	100.00	34.86	100.00

TABLE 20.4.2.1 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Zone 1 ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	3.22	43.40	.83	11.20
2	Higher cost of Fertilizer	.03	.40	.35	4.72
3	Non availability of money	.19	2.56	.80	10.80
4	Non availability of commercial fertilizer	3.96	53.37	2.29	30.90
5	Lack of credit	-	-	.90	12.15
6	Risk of loss	-	-	1.59	21.46
7	Others	.02	.27	-	-
8	Not stated	-	-	.65	8.77
TOTAL		7.42	100.00	7.41	100.00

TABLE 20.4.2.2 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Zone 3 ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	5.29	20.02	1.16	4.39
2	Higher cost of Fertilizer	.94	3.56	2.07	7.83
3	Non availability of money	4.05	15.33	4.94	18.69
4	Non availability of commercial fertilizer	13.13	49.70	9.11	34.47
5	Lack of credit	.25	.95	.50	1.89
6	Risk of loss	-	-	2.54	9.61
7	Others	2.46	9.31	.62	2.35
8	Not stated	.30	1.14	5.49	20.77
TOTAL		26.42	100.00	26.43	100.00

TABLE 20.4.2.3 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Zone 5 ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	.96	95.05	-	-
2	Higher cost of Fertilizer	-	-	-	-
3	Non availability of money	-	-	-	-
4	Non availability of commercial fertilizer	-	-	.96	95.05
5	Lack of credit	-	-	-	-
6	Risk of loss	-	-	-	-
7	Others	.05	4.95	-	-
8	Not stated	-	-	.05	4.95
TOTAL		1.01	100.00	1.01	100.00

TABLE 20.4.3 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Amhara ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	326.79	16.64	148.09	7.54
2	Higher cost of Fertilizer	315.67	16.07	310.04	15.78
3	Non availability of money	704.55	35.87	398.90	20.31
4	Non availability of commercial fertilizer	105.84	5.39	151.61	7.72
5	Lack of credit	17.15	.87	128.44	6.54
6	Risk of loss	129.29	6.58	312.41	15.90
7	Others	335.18	17.06	134.12	6.83
8	Not stated	29.87	1.52	380.70	19.38
TOTAL		1,964.34	100.00	1,964.31	100.00

TABLE 20.4.3.1 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

North Gonder Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	53.53	18.01	22.42	7.54
2	Higher cost of Fertilizer	26.92	9.06	36.11	12.15
3	Non availability of money	122.03	41.06	59.55	20.03
4	Non availability of commercial fertilizer	21.82	7.34	30.43	10.24
5	Lack of credit	2.18	.73	26.35	8.87
6	Risk of loss	20.53	6.91	76.39	25.70
7	Others	49.38	16.61	22.18	7.46
8	Not stated	.84	.28	23.80	8.01
TOTAL		297.23	100.00	297.23	100.00

TABLE 20.4.3.2 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

South Gonder Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	42.78	15.60	11.82	4.31
2	Higher cost of Fertilizer	41.88	15.28	60.20	21.96
3	Non availability of money	134.79	49.17	68.93	25.14
4	Non availability of commercial fertilizer	8.88	3.24	30.14	10.99
5	Lack of credit	5.38	1.96	25.50	9.30
6	Risk of loss	8.11	2.96	33.28	12.14
7	Others	28.71	10.47	13.69	4.99
8	Not stated	3.62	1.32	30.59	11.16
TOTAL		274.15	100.00	274.15	100.00

TABLE 20.4.3.3 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

North Wolo Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	19.19	8.54	20.17	8.98
2	Higher cost of Fertilizer	30.80	13.71	58.33	25.96
3	Non availability of money	104.58	46.54	39.37	17.52
4	Non availability of commercial fertilizer	17.94	7.98	5.87	2.61
5	Lack of credit	1.91	.85	10.13	4.51
6	Risk of loss	20.73	9.23	28.20	12.55
7	Others	27.59	12.28	15.03	6.69
8	Not stated	1.96	.87	47.60	21.18
TOTAL		224.70	100.00	224.70	100.00

TABLE 20.4.3.4 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

South Wolo Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	84.22	20.28	26.01	6.26
2	Higher cost of Fertilizer	62.69	15.10	64.57	15.55
3	Non availability of money	128.88	31.04	98.01	23.60
4	Non availability of commercial fertilizer	28.24	6.80	39.53	9.52
5	Lack of credit	4.41	1.06	22.42	5.40
6	Risk of loss	34.54	8.32	65.26	15.72
7	Others	70.00	16.86	17.12	4.12
8	Not stated	2.25	.54	82.31	19.82
TOTAL		415.23	100.00	415.23	100.00

TABLE 20.4.3.5 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

North Shewa Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	25.32	11.48	8.30	3.76
2	Higher cost of Fertilizer	42.52	19.28	33.33	15.11
3	Non availability of money	81.67	37.03	61.56	27.92
4	Non availability of commercial fertilizer	3.86	1.75	10.55	4.78
5	Lack of credit	-	-	10.38	4.71
6	Risk of loss	18.29	8.29	42.99	19.49
7	Others	41.29	18.72	10.45	4.74
8	Not stated	7.58	3.44	42.96	19.48
TOTAL		220.53	100.00	220.52	100.00

TABLE 20.4.3.6 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

East Gojam Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	28.96	17.02	31.88	18.74
2	Higher cost of Fertilizer	48.70	28.63	17.80	10.46
3	Non availability of money	36.01	21.17	23.68	13.92
4	Non availability of commercial fertilizer	4.81	2.83	7.92	4.66
5	Lack of credit	1.40	.82	11.43	6.72
6	Risk of loss	9.45	5.55	10.06	5.91
7	Others	37.72	22.17	27.83	16.36
8	Not stated	3.07	1.80	39.51	23.23
TOTAL		170.12	100.00	170.11	100.00

TABLE 20.4.3.7 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

West Gojam Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	22.79	15.80	6.21	4.30
2	Higher cost of Fertilizer	37.89	26.27	16.93	11.74
3	Non availability of money	45.97	31.87	20.07	13.91
4	Non availability of commercial fertilizer	.56	.39	12.06	8.36
5	Lack of credit	-	-	13.07	9.06
6	Risk of loss	3.67	2.54	17.41	12.07
7	Others	24.25	16.81	13.96	9.68
8	Not stated	9.12	6.32	44.55	30.88
TOTAL		144.25	100.00	144.26	100.00

TABLE 20.4.3.8 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Waghamera Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	19.73	29.85	7.83	11.85
2	Higher cost of Fertilizer	6.22	9.41	7.20	10.90
3	Non availability of money	14.68	22.21	12.10	18.32
4	Non availability of commercial fertilizer	14.68	22.21	2.75	4.16
5	Lack of credit	.51	.77	2.07	3.13
6	Risk of loss	6.07	9.18	14.05	21.27
7	Others	3.84	5.81	3.21	4.86
8	Not stated	.36	.54	16.85	25.51
TOTAL		66.09	100.00	66.06	100.00

TABLE 20.4.3.9 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Agewawia Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	9.43	12.93	5.65	7.75
2	Higher cost of Fertilizer	7.62	10.45	9.68	13.27
3	Non availability of money	21.79	29.87	9.06	12.42
4	Non availability of commercial fertilizer	.66	.90	.45	.62
5	Lack of credit	.19	.26	5.24	7.18
6	Risk of loss	3.32	4.55	7.81	10.71
7	Others	29.34	40.22	5.91	8.10
8	Not stated	.59	.81	29.15	39.96
TOTAL		72.94	100.00	72.95	100.00

TABLE 20.4.3.10 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Oromia Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	20.84	26.34	7.80	9.86
2	Higher cost of Fertilizer	10.45	13.21	5.89	7.44
3	Non availability of money	14.15	17.88	6.58	8.32
4	Non availability of commercial fertilizer	4.38	5.54	11.91	15.05
5	Lack of credit	1.19	1.50	1.86	2.35
6	Risk of loss	4.58	5.79	16.95	21.42
7	Others	23.05	29.13	4.75	6.00
8	Not stated	.49	.62	23.39	29.56
TOTAL		79.13	100.00	79.13	100.00

TABLE 20.4.4 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Oromia ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	348.67	17.43	140.29	7.01
2	Higher cost of Fertilizer	420.04	21.00	308.79	15.44
3	Non availability of money	609.03	30.44	400.33	20.01
4	Non availability of commercial fertilizer	182.52	9.12	218.32	10.91
5	Lack of credit	29.38	1.47	211.19	10.56
6	Risk of loss	89.69	4.48	216.75	10.83
7	Others	285.30	14.26	154.42	7.72
8	Not stated	35.88	1.79	350.42	17.52
	TOTAL	2,000.51	100.00	2,000.51	100.00

TABLE 20.4.4.1 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

West Welega Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	34.37	15.40	13.33	5.97
2	Higher cost of Fertilizer	51.13	22.90	55.96	25.06
3	Non availability of money	86.84	38.90	63.19	28.30
4	Non availability of commercial fertilizer	18.50	8.29	21.54	9.65
5	Lack of credit	-	-	8.73	3.91
6	Risk of loss	2.31	1.03	23.43	10.49
7	Others	27.44	12.29	18.24	8.17
8	Not stated	2.65	1.19	18.84	8.44
	TOTAL	223.24	100.00	223.26	100.00

TABLE 20.4.4.2 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

East Welega Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	10.83	9.37	4.71	4.08
2	Higher cost of Fertilizer	21.65	18.73	18.03	15.60
3	Non availability of money	35.62	30.82	22.60	19.56
4	Non availability of commercial fertilizer	4.11	3.56	1.86	1.61
5	Lack of credit	.32	.28	3.47	3.00
6	Risk of loss	1.85	1.60	12.24	10.59
7	Others	39.77	34.41	8.99	7.78
8	Not stated	1.44	1.25	43.67	37.79
TOTAL		115.59	100.00	115.57	100.00

TABLE 20.4.4.3 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Illibabor Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	11.90	9.50	4.54	3.63
2	Higher cost of Fertilizer	22.53	17.99	22.21	17.74
3	Non availability of money	52.94	42.27	30.84	24.63
4	Non availability of commercial fertilizer	5.12	4.09	5.83	4.66
5	Lack of credit	.39	.31	3.29	2.63
6	Risk of loss	6.83	5.45	11.03	8.81
7	Others	24.31	19.41	26.72	21.34
8	Not stated	1.22	.97	20.77	16.59
TOTAL		125.24	100.00	125.23	100.00

TABLE 20.4.4.4 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Jimma Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	26.61	11.60	13.17	5.74
2	Higher cost of Fertilizer	42.99	18.74	22.72	9.90
3	Non availability of money	41.18	17.95	34.73	15.14
4	Non availability of commercial fertilizer	26.82	11.69	9.87	4.30
5	Lack of credit	1.86	.81	16.38	7.14
6	Risk of loss	6.88	3.00	25.09	10.94
7	Others	71.63	31.22	16.81	7.33
8	Not stated	11.46	4.99	90.65	39.51
TOTAL		229.43	100.00	229.42	100.00

TABLE 20.4.4.5 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

West Shewa Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	3.63	2.92	1.49	1.20
2	Higher cost of Fertilizer	37.47	30.14	23.66	19.03
3	Non availability of money	39.20	31.53	17.61	14.16
4	Non availability of commercial fertilizer	3.55	2.86	1.18	.95
5	Lack of credit	4.14	3.33	12.72	10.23
6	Risk of loss	5.81	4.67	11.16	8.98
7	Others	21.73	17.48	11.17	8.98
8	Not stated	8.81	7.09	45.34	36.47
TOTAL		124.34	100.00	124.33	100.00

TABLE 20.4.4.6 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

North Shewa Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	29.25	20.12	3.32	2.28
2	Higher cost of Fertilizer	33.51	23.05	21.44	14.75
3	Non availability of money	47.77	32.86	35.07	24.13
4	Non availability of commercial fertilizer	4.49	3.09	2.48	1.71
5	Lack of credit	.89	.61	11.71	8.06
6	Risk of loss	12.11	8.33	36.80	25.32
7	Others	15.14	10.42	10.64	7.32
8	Not stated	2.20	1.51	23.89	16.44
TOTAL		145.36	100.00	145.35	100.00

TABLE 20.4.4.7 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

East Shewa Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	14.16	19.00	4.70	6.31
2	Higher cost of Fertilizer	13.78	18.49	18.17	24.38
3	Non availability of money	26.78	35.93	16.18	21.71
4	Non availability of commercial fertilizer	1.44	1.93	6.83	9.16
5	Lack of credit	1.72	2.31	7.10	9.53
6	Risk of loss	7.46	10.01	9.69	13.00
7	Others	7.81	10.48	3.06	4.11
8	Not stated	1.38	1.85	8.80	11.81
TOTAL		74.53	100.00	74.53	100.00

TABLE 20.4.4.8 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Arsi Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	11.02	12.33	4.30	4.81
2	Higher cost of Fertilizer	32.03	35.84	17.92	20.05
3	Non availability of money	20.03	22.41	23.83	26.67
4	Non availability of commercial fertilizer	9.77	10.93	7.95	8.90
5	Lack of credit	.57	.64	2.70	3.02
6	Risk of loss	3.48	3.89	10.88	12.18
7	Others	12.31	13.78	8.96	10.03
8	Not stated	.15	.17	12.82	14.35
TOTAL		89.36	100.00	89.36	100.00

TABLE 20.4.4.9 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

West Harerge Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	23.62	10.10	8.94	3.82
2	Higher cost of Fertilizer	78.43	33.52	33.04	14.12
3	Non availability of money	68.82	29.42	60.97	26.06
4	Non availability of commercial fertilizer	22.90	9.79	22.53	9.63
5	Lack of credit	4.23	1.81	35.66	15.24
6	Risk of loss	9.41	4.02	29.20	12.48
7	Others	23.04	9.85	11.80	5.04
8	Not stated	3.50	1.50	31.79	13.59
TOTAL		233.95	100.00	233.93	100.00

TABLE 20.4.4.10 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

East Harerge Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	22.76	8.56	23.39	8.79
2	Higher cost of Fertilizer	62.34	23.44	45.19	16.99
3	Non availability of money	133.78	50.30	56.44	21.22
4	Non availability of commercial fertilizer	12.10	4.55	14.57	5.48
5	Lack of credit	9.28	3.49	86.93	32.68
6	Risk of loss	15.42	5.80	20.32	7.64
7	Others	10.30	3.87	10.42	3.92
8	Not stated	-	-	8.72	3.28
TOTAL		265.98	100.00	265.98	100.00

TABLE 20.4.4.11 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Bale Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	35.75	28.11	14.54	11.43
2	Higher cost of Fertilizer	16.99	13.36	17.25	13.56
3	Non availability of money	37.18	29.23	15.28	12.01
4	Non availability of commercial fertilizer	14.23	11.19	22.59	17.76
5	Lack of credit	1.58	1.24	8.86	6.97
6	Risk of loss	5.40	4.25	18.21	14.32
7	Others	15.61	12.27	9.43	7.41
8	Not stated	.46	.36	21.03	16.53
TOTAL		127.20	100.00	127.19	100.00

TABLE 20.4.4.12 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Borena Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	124.79	50.66	43.85	17.80
2	Higher cost of Fertilizer	7.21	2.93	13.19	5.35
3	Non availability of money	18.91	7.68	23.59	9.58
4	Non availability of commercial fertilizer	59.47	24.14	101.10	41.04
5	Lack of credit	4.41	1.79	13.62	5.53
6	Risk of loss	12.72	5.16	8.71	3.54
7	Others	16.20	6.58	18.19	7.38
8	Not stated	2.62	1.06	24.10	9.78
TOTAL		246.33	100.00	246.35	100.00

TABLE 20.4.5 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Somale ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	50.44	61.00	7.90	9.55
2	Higher cost of Fertilizer	6.02	7.28	4.63	5.60
3	Non availability of money	10.04	12.14	8.18	9.89
4	Non availability of commercial fertilizer	15.10	18.26	51.04	61.72
5	Lack of credit	-	-	3.45	4.17
6	Risk of loss	.51	.62	2.40	2.90
7	Others	.44	.53	1.60	1.93
8	Not stated	.14	.17	3.49	4.22
TOTAL		82.69	100.00	82.69	100.00

TABLE 20.4.5.1 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Shinele Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	.83	29.86	.15	5.42
2	Higher cost of Fertilizer	.41	14.75	.15	5.42
3	Non availability of money	.58	20.86	.60	21.66
4	Non availability of commercial fertilizer	.80	28.78	1.02	36.82
5	Lack of credit	-	-	.36	13.00
6	Risk of loss	-	-	.13	4.69
7	Others	.11	3.96	.05	1.81
8	Not stated	.05	1.80	.31	11.19
TOTAL		2.78	100.00	2.77	100.00

TABLE 20.4.5.2 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Jijiga Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	34.72	62.06	2.25	4.02
2	Higher cost of Fertilizer	5.60	10.01	4.11	7.34
3	Non availability of money	9.29	16.60	6.26	11.18
4	Non availability of commercial fertilizer	5.58	9.97	35.16	62.82
5	Lack of credit	-	-	2.94	5.25
6	Risk of loss	.51	.91	2.27	4.06
7	Others	.25	.45	.91	1.63
8	Not stated	-	-	2.07	3.70
TOTAL		55.95	100.00	55.97	100.00

TABLE 20.4.5.3 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Moyale Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	14.90	62.19	5.50	22.95
2	Higher cost of Fertilizer	-	-	.37	1.54
3	Non availability of money	.18	.75	1.31	5.47
4	Non availability of commercial fertilizer	8.71	36.35	14.87	62.06
5	Lack of credit	-	-	.15	.63
6	Risk of loss	-	-	-	-
7	Others	.08	.33	.64	2.67
8	Not stated	.09	.38	1.12	4.67
TOTAL		23.96	100.00	23.96	100.00

TABLE 20.4.6 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Benshangul-Gumuz ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	29.16	27.57	10.88	10.29
2	Higher cost of Fertilizer	12.79	12.09	14.96	14.14
3	Non availability of money	26.91	25.44	17.17	16.23
4	Non availability of commercial fertilizer	13.28	12.56	22.94	21.69
5	Lack of credit	3.78	3.57	7.75	7.33
6	Risk of loss	.89	.84	4.25	4.02
7	Others	18.53	17.52	10.37	9.80
8	Not stated	.42	.40	17.46	16.51
TOTAL		105.76	100.00	105.78	100.00

TABLE 20.4.6.1 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Metekel Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	9.74	25.15	3.27	8.45
2	Higher cost of Fertilizer	3.60	9.30	1.59	4.11
3	Non availability of money	8.48	21.90	6.83	17.65
4	Non availability of commercial fertilizer	3.28	8.47	8.99	23.23
5	Lack of credit	2.60	6.71	3.39	8.76
6	Risk of loss	.20	.52	.31	.80
7	Others	10.55	27.25	2.76	7.13
8	Not stated	.27	.70	11.56	29.87
TOTAL		38.72	100.00	38.70	100.00

TABLE 20.4.6.2 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Asosa Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	7.49	16.74	1.57	3.51
2	Higher cost of Fertilizer	8.23	18.40	12.34	27.58
3	Non availability of money	17.28	38.63	8.00	17.88
4	Non availability of commercial fertilizer	9.05	20.23	9.89	22.11
5	Lack of credit	1.16	2.59	3.53	7.89
6	Risk of loss	.59	1.32	3.71	8.29
7	Others	.80	1.79	1.44	3.22
8	Not stated	.13	.29	4.26	9.52
TOTAL		44.73	100.00	44.74	100.00

TABLE 20.4.6.3 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Kemeshi Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	11.93	53.47	6.03	27.04
2	Higher cost of Fertilizer	.96	4.30	1.03	4.62
3	Non availability of money	1.16	5.20	2.34	10.49
4	Non availability of commercial fertilizer	.94	4.21	4.05	18.16
5	Lack of credit	.02	.09	.82	3.68
6	Risk of loss	.10	.45	.22	.99
7	Others	7.18	32.18	6.17	27.67
8	Not stated	.02	.09	1.64	7.35
TOTAL		22.31	100.00	22.30	100.00

TABLE 20.4.7 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

(S.N.N.P.R) ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	364.07	27.62	80.58	6.11
2	Higher cost of Fertilizer	210.01	15.93	128.85	9.78
3	Non availability of money	334.52	25.38	254.07	19.28
4	Non availability of commercial fertilizer	92.20	7.00	156.64	11.88
5	Lack of credit	13.28	1.01	91.24	6.92
6	Risk of loss	75.76	5.75	230.60	17.50
7	Others	207.40	15.74	132.29	10.04
8	Not stated	20.73	1.57	243.72	18.49
TOTAL		1,317.97	100.00	1,317.99	100.00

TABLE 20.4.7.1 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Gurage Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	51.21	31.55	9.30	5.73
2	Higher cost of Fertilizer	15.14	9.33	9.07	5.59
3	Non availability of money	39.90	24.58	24.09	14.84
4	Non availability of commercial fertilizer	1.16	.71	7.66	4.72
5	Lack of credit	5.18	3.19	5.73	3.53
6	Risk of loss	9.62	5.93	33.28	20.50
7	Others	26.85	16.54	24.09	14.84
8	Not stated	13.27	8.17	49.10	30.25
TOTAL		162.33	100.00	162.32	100.00

TABLE 20.4.7.2 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Hadiya Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	-	-	.24	1.38
2	Higher cost of Fertilizer	3.04	17.49	-	-
3	Non availability of money	5.75	33.08	1.61	9.26
4	Non availability of commercial fertilizer	-	-	.23	1.32
5	Lack of credit	-	-	3.94	22.67
6	Risk of loss	-	-	1.06	6.10
7	Others	6.67	38.38	-	-
8	Not stated	1.92	11.05	10.30	59.26
TOTAL		17.38	100.00	17.38	100.00

TABLE 20.4.7.3 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Kembata Alaba Tembaro Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	.42	2.69	.21	1.35
2	Higher cost of Fertilizer	4.73	30.30	5.49	35.19
3	Non availability of money	6.99	44.78	3.83	24.55
4	Non availability of commercial fertilizer	.47	3.01	.40	2.56
5	Lack of credit	.47	3.01	1.28	8.21
6	Risk of loss	-	-	1.07	6.86
7	Others	2.33	14.93	.40	2.56
8	Not stated	.20	1.28	2.92	18.72
TOTAL		15.61	100.00	15.60	100.00

TABLE 20.4.7.4 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Sidama Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	68.92	25.18	21.16	7.73
2	Higher cost of Fertilizer	61.94	22.63	27.15	9.92
3	Non availability of money	76.84	28.08	74.30	27.15
4	Non availability of commercial fertilizer	11.66	4.26	26.44	9.66
5	Lack of credit	.91	.33	23.70	8.66
6	Risk of loss	5.81	2.12	36.69	13.41
7	Others	46.45	16.97	13.32	4.87
8	Not stated	1.16	.42	50.92	18.61
TOTAL		273.69	100.00	273.68	100.00

TABLE 20.4.7.5 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Gedio Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	27.77	26.05	8.61	8.08
2	Higher cost of Fertilizer	6.95	6.52	3.97	3.72
3	Non availability of money	9.43	8.85	6.21	5.82
4	Non availability of commercial fertilizer	23.59	22.13	24.65	23.12
5	Lack of credit	.15	.14	6.64	6.23
6	Risk of loss	3.87	3.63	10.74	10.07
7	Others	34.85	32.69	12.31	11.55
8	Not stated	-	-	33.49	31.41
TOTAL		106.61	100.00	106.62	100.00

TABLE 20.4.7.6 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

North Omo Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	88.48	22.34	14.35	3.62
2	Higher cost of Fertilizer	66.13	16.69	51.06	12.89
3	Non availability of money	132.58	33.47	80.08	20.22
4	Non availability of commercial fertilizer	22.94	5.79	24.97	6.30
5	Lack of credit	4.57	1.15	31.37	7.92
6	Risk of loss	34.69	8.76	98.09	24.76
7	Others	45.37	11.45	61.51	15.53
8	Not stated	1.38	.35	34.70	8.76
TOTAL		396.14	100.00	396.13	100.00

TABLE 20.4.7.7 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

South Omo Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	51.04	67.41	3.18	4.20
2	Higher cost of Fertilizer	9.41	12.43	6.33	8.36
3	Non availability of money	9.35	12.35	15.37	20.30
4	Non availability of commercial fertilizer	1.75	2.31	32.61	43.07
5	Lack of credit	.18	.24	3.85	5.09
6	Risk of loss	1.27	1.68	10.50	13.87
7	Others	2.28	3.01	1.34	1.77
8	Not stated	.44	.58	2.53	3.34
TOTAL		75.72	100.00	75.71	100.00

TABLE 20.4.7.8 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Keficho-Shekicho Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	22.21	15.75	9.87	7.00
2	Higher cost of Fertilizer	27.33	19.38	11.18	7.93
3	Non availability of money	23.04	16.34	27.42	19.44
4	Non availability of commercial fertilizer	18.20	12.91	12.96	9.19
5	Lack of credit	1.08	.77	7.93	5.62
6	Risk of loss	14.68	10.41	17.74	12.58
7	Others	33.18	23.53	13.94	9.88
8	Not stated	1.31	.93	39.99	28.36
	TOTAL	141.03	100.00	141.03	100.00

TABLE 20.4.7.9 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Bench-Maji Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	29.53	43.37	5.16	7.58
2	Higher cost of Fertilizer	4.82	7.08	9.95	14.62
3	Non availability of money	19.89	29.21	8.78	12.90
4	Non availability of commercial fertilizer	2.04	3.00	13.94	20.48
5	Lack of credit	.45	.66	4.29	6.30
6	Risk of loss	3.79	5.57	12.89	18.93
7	Others	6.70	9.84	1.76	2.59
8	Not stated	.87	1.28	11.31	16.61
	TOTAL	68.09	100.00	68.08	100.00

TABLE 20.4.7.10 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Yem Special Wereda Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	.32	8.27	.32	8.25
2	Higher cost of Fertilizer	1.59	41.09	1.37	35.31
3	Non availability of money	.88	22.74	.62	15.98
4	Non availability of commercial fertilizer	.09	2.33	-	-
5	Lack of credit	.03	.78	.08	2.06
6	Risk of loss	.24	6.20	.87	22.42
7	Others	.72	18.60	.18	4.64
8	Not stated	-	-	.44	11.34
TOTAL		3.87	100.00	3.88	100.00

TABLE 20.4.7.11 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Amaro Special Wereda Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	6.52	47.91	.73	5.36
2	Higher cost of Fertilizer	2.73	20.06	1.44	10.58
3	Non availability of money	1.66	12.20	3.00	22.04
4	Non availability of commercial fertilizer	.72	5.29	2.06	15.14
5	Lack of credit	.20	1.47	.29	2.13
6	Risk of loss	1.00	7.35	3.57	26.23
7	Others	.70	5.14	2.03	14.92
8	Not stated	.08	.59	.49	3.60
TOTAL		13.61	100.00	13.61	100.00

TABLE 20.4.7.12 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Burji Special Wereda Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	1.44	24.32	.07	1.18
2	Higher cost of Fertilizer	1.82	30.74	.74	12.50
3	Non availability of money	1.71	28.89	1.36	22.97
4	Non availability of commercial fertilizer	.39	6.59	.19	3.21
5	Lack of credit	.06	1.01	.80	13.51
6	Risk of loss	.10	1.69	.55	9.29
7	Others	.40	6.76	.23	3.89
8	Not stated	-	-	1.98	33.45
TOTAL		5.92	100.00	5.92	100.00

TABLE 20.4.7.13 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Konso Special Wereda Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	9.39	38.59	6.09	25.02
2	Higher cost of Fertilizer	2.04	8.38	.33	1.36
3	Non availability of money	3.50	14.39	4.86	19.97
4	Non availability of commercial fertilizer	8.07	33.17	6.29	25.84
5	Lack of credit	-	-	.37	1.52
6	Risk of loss	.36	1.48	1.33	5.46
7	Others	.86	3.53	.33	1.36
8	Not stated	.11	.45	4.74	19.47
TOTAL		24.33	100.00	24.34	100.00

TABLE 20.4.7.14 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Derashe Special Wereda Zone ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	6.80	49.85	1.28	9.39
2	Higher cost of Fertilizer	2.34	17.16	.75	5.50
3	Non availability of money	2.99	21.92	2.53	18.56
4	Non availability of commercial fertilizer	1.13	8.28	4.23	31.03
5	Lack of credit	-	-	.97	7.12
6	Risk of loss	.33	2.42	2.21	16.21
7	Others	.05	.37	.85	6.24
8	Not stated	-	-	.81	5.94
TOTAL		13.64	100.00	13.63	100.00

TABLE 20.4.8 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS 1996/97(1989 E.C)

Gambela ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	6.19	24.95	1.27	5.12
2	Higher cost of Fertilizer	.28	1.13	1.49	6.01
3	Non availability of money	2.04	8.22	1.73	6.97
4	Non availability of commercial fertilizer	9.54	38.45	5.08	20.48
5	Lack of credit	.18	.73	.79	3.18
6	Risk of loss	.18	.73	.03	.12
7	Others	6.24	25.15	.41	1.65
8	Not stated	.16	.64	14.01	56.47
TOTAL		24.81	100.00	24.81	100.00

TABLE 20.4.9 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Harari ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	.39	5.58	.13	1.87
2	Higher cost of Fertilizer	1.82	26.04	2.22	31.85
3	Non availability of money	3.64	52.07	1.70	24.39
4	Non availability of commercial fertilizer	.06	.86	.15	2.15
5	Lack of credit	.21	3.00	1.12	16.07
6	Risk of loss	.08	1.14	.42	6.03
7	Others	.66	9.44	.27	3.87
8	Not stated	.13	1.86	.96	13.77
TOTAL		6.99	100.00	6.97	100.00

TABLE 20.4.10 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Addis Ababa ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	-	-	-	-
2	Higher cost of Fertilizer	.02	8.00	.01	3.85
3	Non availability of money	.02	8.00	.02	7.69
4	Non availability of commercial fertilizer	.01	4.00	-	-
5	Lack of credit	-	-	.01	3.85
6	Risk of loss	-	-	.01	3.85
7	Others	.15	60.00	.01	3.85
8	Not stated	.05	20.00	.20	76.92
TOTAL		.25	100.00	.26	100.00

TABLE 20.4.8.11 DISTRIBUTION OF HHS REPORTING NO APPLICATION OF COMMERCIAL FERTILIZER OVER THE PAST 5 YEARS BY PRIORITY OF REASONS FOR PRIVATE HOLDINGS
1996/97(1989 E.C)

Dire Dawa ('000)

SER. Nº	FIRST REASON FOR NOT USING COMMERCIAL FERTILIZER	FIRST REASON		SECOND REASON	
		No.	%	No.	%
1	Lack of knowledge about use of comm. fertilizer	.64	5.39	.10	.84
2	Higher cost of Fertilizer	1.82	15.33	2.04	17.20
3	Non availability of money	5.71	48.10	2.37	19.98
4	Non availability of commercial fertilizer	1.79	15.08	1.80	15.18
5	Lack of credit	.15	1.26	1.71	14.42
6	Risk of loss	.04	.34	.49	4.13
7	Others	1.48	12.47	.38	3.20
8	Not stated	.24	2.02	2.97	25.04
	TOTAL	11.87	100.00	11.86	100.00

APPENDIX I STANDARED ERROR AND COEFFICIENT OF VARIATION FOR ESTIMATES.

ESTIMATES OF AREA, PRODUCTION, STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR MAJOR MEHER AND BELG SEASONS CROPS, NATIONAL
1996/97 (1989 E.C.)

TYPE OF CROP	MEHER SEASON						BELG SEASON						TOTAL					
	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)
CEREALS	6198.43	532.32	8.59	77648.40	5907.67	7.61	601.85	137.66	22.87	6626.35	2210.37	33.36	6800.28	549.59	8.08	84274.74	6317.43	7.50
TEFF	2099.85	316.98	15.10	17815.35	1707.12	9.58	94.27	28.82	30.57	678.75	173.16	25.51	2194.12	325.22	14.82	18494.10	1803.81	9.75
BARELY	857.51	99.45	11.60	11935.11	1947.54	16.32	**	**	**	**	**	**	1046.80	145.14	13.87	14775.57	2813.57	19.04
WHEAT	814.60	89.35	10.97	10626.39	1398.45	13.16	59.40	18.57	31.26	684.25	221.44	32.36	874.00	99.43	11.38	11310.64	1516.39	13.41
MAIZE	1156.73	94.63	8.18	19100.26	2023.76	10.60	195.49	40.59	20.76	1907.24	293.62	15.40	1352.22	108.07	7.99	21007.49	2097.02	9.98
SORGHUM	988.29	60.42	6.11	14680.91	1125.55	7.67	49.30	15.20	30.84	384.58	133.07	34.60	1037.59	70.33	6.78	15065.49	1230.01	8.16
MILLET	257.11	22.55	8.77	3132.60	468.84	14.97	**	**	**	**	**	**	263.72	27.45	10.41	3150.15	497.93	15.81
OATS	24.34	4.49	18.47	357.78	83.61	23.37	7.48	1.51	20.20	113.53	25.30	22.28	31.82	6.08	17.10	471.30	103.85	22.03
PULSES	826.74	169.79	20.54	11728.35	3318.19	28.29	54.12	10.87	20.08	315.29	48.93	15.52	880.86	170.30	19.33	12043.64	3319.29	27.56
HORSEBEANS	342.18	131.22	38.35	7134.54	2823.48	39.57	6.43	2.47	38.42	28.78	9.21	32.01	348.61	131.35	37.68	7163.32	2826.10	39.45
HELDPEAS	124.56	31.83	25.55	1389.42	451.51	32.50	9.40	3.35	35.62	76.12	22.05	28.97	133.96	32.22	24.05	1465.54	454.18	30.99
HARICOTBEANS	77.44	12.29	15.86	612.17	111.05	18.14	31.10	8.68	27.90	135.54	24.90	18.37	108.55	16.89	15.56	747.71	123.56	16.53
CHICKPEAS	145.27	19.83	13.65	1292.27	212.10	16.41	5.82	2.67	45.95	61.95	26.48	42.74	151.09	21.47	14.21	1354.23	224.75	16.60
LENTILS	36.42	7.99	21.95	250.13	48.23	19.28	0.93	0.30	32.47	9.37	4.40	47.02	37.36	8.25	22.09	259.50	51.11	19.69
VECTH	100.86	13.65	13.53	1049.81	164.27	15.65	**	**	**	**	**	**	101.29	14.47	14.29	1053.35	175.21	16.63
OTHERS	285.41	27.20	9.53	2068.04	213.90	10.34	**	**	**	**	**	**	294.47	27.91	9.48	2087.32	214.58	10.28
NEUG	137.48	13.99	10.18	958.15	111.45	11.63	**	**	**	**	**	**	137.63	15.90	11.55	958.79	125.51	13.09
LINSEED	92.01	13.82	15.02	635.27	100.92	15.89	**	**	**	**	**	**	92.05	15.43	16.76	635.39	106.93	16.83
RAPESEED	**	**	**	**	**	**	**	**	**	–	–	–	**	**	**	**	**	**
GROUNDNUTS	2.40	0.78	32.69	16.17	4.97	30.73	**	**	**	**	**	**	2.42	0.80	32.89	16.27	5.12	31.50
SUNFLOWER	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
SEASAME	32.45	12.72	39.20	211.31	95.14	45.02	**	**	**	**	**	**	33.25	12.93	38.90	211.68	97.77	46.19
FENUGREEK	10.41	3.31	31.77	93.33	29.07	31.15	**	**	**	**	**	**	18.46	7.07	38.31	111.31	34.30	30.82

ESTIMATES OF AREA, PRODUCTION, STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR MAJOR MEHER AND BELG SEASONS CROPS, TIGRAY
1996/97 (1989 E.C.)

TYPE OF CROP	MEHER SEASON						BELG SEASON						TOTAL					
	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)
CEREALS	480.43	43.68	9.09	6408.44	3042.06	47.47	**	**	**	**	**	**	514.69	55.85	10.85	6617.13	3041.45	45.96
TEFF	120.82	13.92	11.52	908.82	120.22	13.23	**	**	**	**	**	**	148.17	33.18	22.39	1039.73	166.93	16.05
BARELY	73.68	14.28	19.38	**	**	**	2.47			**	**	**	76.15	15.57	20.45	**	**	**
WHEAT	44.10	7.19	16.31	73.07	19.72	26.99	**	**	**	**	**	**	44.56	7.89	17.71	73.73	19.96	27.07
MAIZE	61.25	10.88	17.76	**	**	**	1.04			51.69	19.70	38.11	62.29	10.84	17.39	**	**	**
SORGHUM	129.84	17.08	13.16	1879.67	312.23	16.61	**	**	**	**	**	**	132.78	19.34	14.57	1892.07	350.02	18.50
MILLET	50.66	8.07	15.93	**	**	**	–	–	–	–	–	–	50.66	9.20	17.17	**	**	**
OATS	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
PULSES	43.15	13.05	30.24	319.86	67.21	21.01	**	**	**	**	**	**	43.81	13.06	29.82	326.96	67.70	20.71
HORSEBEANS	19.63	8.29	42.22	172.55	61.48	35.63	**	**	**	**	**	**	19.79	8.23	41.58	174.42	61.20	35.09
HELDPEAS	6.21	2.95	47.55	**	**	**	**	**	**	**	**	**	6.44	3.01	46.83	**	**	**
HARICOTBEANS	0.67	0.32	48.37	**	**	**	–	–	–	–	–	–	0.67	0.33	49.01	**	**	**
CHICKPEAS	4.16	1.11	26.79	47.43	14.15	29.82	**	**	**	**	**	**	4.43	1.12	25.21	49.75	14.15	28.45
LENTILS	7.23	5.09	70.47	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
VECTH	5.25	1.46	27.75	39.42	12.93	32.80	–	–	–	–	–	–	5.25	1.48	28.19	39.42	13.05	33.11
OTHERS	14.62	5.22	35.72	212.28	99.68	46.96	–	–	–	–	–	–	14.62	5.22	35.72	212.28	99.68	46.96
NEUG	2.21	1.01	45.95	**	**	**	–	–	–	–	–	–	2.21	1.02	46.36	**	**	**
LINSEED	2.71	0.91	33.72	**	**	**	–	–	–	–	–	–	2.71	0.91	33.49	**	**	**
RAPESEED	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
GROUNDNUTS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SUNFLOWER	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SEASAME	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
FENUGREEK	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**

Abbriviations.
S.E.= Standared Error
C.V.= Coefficient of Varintion
– Insignificant or not available

ESTIMATES OF AREA, PRODUCTION, STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR MAJOR MEHER AND BELGS EASONS CROPS, AFAR.
1996/97 (1989 E.C.)

TYPE OF CROP	MEHER SEASON						BELG SEASON						TOTAL					
	AREA (000' HA)	S.E. (000' HA)	C.V. (%)	PRODUCTION (000' QT)	S.E. (000' QT)	C.V. (%)	AREA (000' HA)	S.E. (000' HA)	C.V. (%)	PRODUCTION (000' QT)	S.E. (000' QT)	C.V. (%)	AREA (000' HA)	S.E. (000' HA)	C.V. (%)	PRODUCTION (000' QT)	S.E. (000' QT)	C.V. (%)
CEREALS	17.21	4.41	25.63	239.34	97.87	40.89	0.70	0.24	34.08	**	**	**	17.91	4.49	25.07	271.02	104.65	38.61
TEFF	4.60	0.84	18.30	**	**	**	0.51	0.12	23.86	**	**	**	5.11	1.35	26.33	**	**	**
BARELY	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
WHEAT	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
MAIZE	1.54	0.26	16.75	17.38	6.30	36.24	0.17	0.08	45.47	**	**	**	1.70	0.39	23.07	19.67	7.35	37.37
SORGHUM	10.37	1.77	17.10	88.42	18.42	20.83	–	–	–	–	–	–	10.37	2.69	25.90	88.42	26.03	29.44
MILLET	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OATS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PULSES	0.18	0.09	49.64	**	**	**	0.35	0.14	40.08	6.85	3.32	48.44	0.53	0.21	40.49	7.79	3.55	45.64
HORSEBEANS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
FIELDPEAS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
HARICOTBEANS	–	–	–	–	–	–	–	–	–	–	–	–	**	**	**	**	**	**
CHICKPEAS	0.18	0.08	45.73	0.94	0.44	47.05	0.32	0.11	34.35	6.67	2.84	42.57	0.50	0.21	43.06	7.61	3.56	46.84
LENTILS	–	–	–	–	–	–	**	**	**	**	**	**	**	**	**	**	**	**
VECTH	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OTHERS	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
NEUG	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LINSEED	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RAPESEED	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
GROUNDNUTS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SUNFLOWER	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SEASAME	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
FENUGREEK	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

ESTIMATES OF AREA, PRODUCTION, STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR MAJOR MEHER AND BELGS EASONS CROPS, AMHARA
1996/97 (1989 E.C.)

TYPE OF CROP	MEHER SEASON						BELG SEASON						TOTAL					
	AREA (000' HA)	S.E. (000' HA)	C.V. (%)	PRODUCTION (000' QT)	S.E. (000' QT)	C.V. (%)	AREA (000' HA)	S.E. (000' HA)	C.V. (%)	PRODUCTION (000' QT)	S.E. (000' QT)	C.V. (%)	AREA (000' HA)	S.E. (000' HA)	C.V. (%)	PRODUCTION (000' QT)	S.E. (000' QT)	C.V. (%)
CEREALS	2105.85	117.02	5.56	24968.98	1797.39	7.20	**	**	**	**	**	**	2254.01	156.15	6.93	27541.63	2717.29	9.87
TEFF	762.64	44.67	5.86	7686.98	569.06	7.40	22.22	8.58	38.60	**	**	**	784.86	52.08	6.64	7882.98	634.07	8.04
BARELY	262.29	19.00	7.24	2939.65	335.55	11.41	**	**	**	**	**	**	371.31	101.40	27.31	5117.22	2009.30	39.27
WHEAT	178.46	20.74	11.62	2134.81	433.61	20.31	5.26	1.87	35.52	82.09	26.27	32.00	183.73	21.97	11.96	2216.89	440.61	19.87
MAIZE	273.83	18.18	6.64	3261.59	304.87	9.35	6.18	1.77	28.68	68.72	23.66	34.43	280.01	23.26	8.31	3330.31	336.68	10.11
SORGHUM	470.67	52.67	11.19	6921.39	959.87	13.87	**	**	**	**	**	**	473.79	56.72	11.97	6940.32	1000.70	14.42
MILLET	152.92	19.32	12.63	1966.16	272.04	13.84	**	**	**	**	**	**	153.49	22.37	14.58	1966.77	303.09	15.41
OATS	5.04	1.55	30.85	58.41	22.18	37.98	1.80	0.71	39.63	28.73	12.96	45.10	6.83	1.97	28.77	87.14	28.86	33.12
PULSES	295.22	28.64	9.70	3351.70	360.25	10.75	11.78	3.99	33.90	133.34	37.15	27.86	307.00	29.60	9.64	3485.03	367.28	10.54
HORSEBEANS	70.03	7.65	10.92	928.19	135.29	14.58	**	**	**	**	**	**	70.22	7.96	11.33	930.85	139.02	14.94
FIELDPEAS	31.50	4.14	13.13	368.43	68.57	18.61	2.22	0.83	37.35	32.51	15.28	46.99	33.72	4.46	13.23	400.94	71.88	17.93
HARICOTBEANS	17.06	6.70	39.29	176.47	78.54	44.51	**	**	**	34.52	16.38	47.46	20.65	7.55	36.56	210.98	86.72	41.11
CHICKPEAS	93.38	16.08	17.22	965.95	195.00	20.19	**	**	**	**	**	**	97.99	16.92	17.26	1017.61	202.51	19.90
LENTILS	13.10	3.69	28.18	136.13	37.72	27.71	0.79	0.29	36.63	9.16	4.40	48.07	13.89	3.88	27.91	145.29	39.93	27.48
VECTH	70.15	12.16	17.34	776.53	153.17	19.72	**	**	**	**	**	**	70.53	12.55	17.79	779.36	159.56	20.47
OTHERS	126.16	19.45	15.41	981.91	128.25	13.06	**	**	**	**	**	**	126.67	19.48	15.38	982.99	128.28	13.05
NEUG	76.84	11.61	15.12	672.04	103.10	15.34	**	**	**	**	**	**	76.99	12.71	16.51	672.21	112.53	16.74
LINSEED	22.54	6.79	30.11	187.02	45.14	24.13	**	**	**	**	**	**	22.58	6.89	30.49	187.15	45.25	24.18
RAPESEED	1.16	0.57	49.09	**	**	**	–	–	–	–	–	–	1.16	0.57	48.91	**	**	**
GROUNDNUTS	**	**	**	–	–	–	–	–	–	–	–	–	**	**	**	–	–	–
SUNFLOWER	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
SEASAME	**	**	**	17.09	8.02	46.91	–	–	–	–	–	–	**	**	**	17.09	8.08	47.27
FENUGREEK	6.52	2.85	43.68	68.05	25.89	38.05	**	**	**	**	**	**	6.84	3.04	44.42	68.84	26.27	38.16

Abbreviations.
S.E.= Standared Error
C.V.= Coefficient of Variation
– Insignificant or not available

ESTIMATES OF AREA, PRODUCTION, STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR MAJOR MEHER AND BELG SEASONS CROPS, OROMIYA
1996/97 (1989 E.C.)

TYPE OF CROP	MEHER SEASON						BELG SEASON						TOTAL					
	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)
CEREALS	2963.63	501.09	16.91	36791.26	4439.24	12.07	236.81	62.13	26.24	2525.91	638.51	25.28	3200.43	503.54	15.73	39317.17	4492.10	11.43
TEFF	1038.25	312.94	30.14	7738.42	1595.21	20.61	29.19	9.04	30.96	245.34	75.88	30.93	1067.44	315.63	29.57	7983.75	1622.91	20.33
BARELY	455.23	95.78	21.04	6969.33	1671.29	23.98	53.44	12.43	23.27	552.27	142.42	25.79	508.67	98.97	19.44	7521.60	1704.43	22.66
WHEAT	511.78	86.18	16.84	7176.47	1318.33	18.37	50.78	18.42	36.27	583.60	219.78	37.66	562.56	93.67	16.65	7760.07	1404.01	18.09
MAIZE	630.88	90.71	14.38	9897.58	888.80	8.98	71.13	22.07	31.02	837.27	236.70	28.27	702.02	93.90	13.38	10734.86	953.42	8.88
SORGHUM	270.29	22.16	8.20	4147.32	462.17	11.14	**	**	**	**	**	**	295.70	27.76	9.39	4360.88	507.30	11.63
MILLET	38.14	7.11	18.64	564.36	115.64	20.49	**	**	**	**	**	**	39.30	8.12	20.65	573.43	125.54	21.89
OATS	19.05	4.22	22.13	297.79	80.61	27.07	5.69	1.33	23.46	84.79	21.73	25.62	24.74	5.66	22.87	382.58	98.49	25.74
PULSES	415.86	165.81	39.87	7411.06	3286.01	44.34	12.40	4.27	34.40	77.91	24.38	31.29	428.26	165.87	38.73	7488.98	3286.05	43.88
HORSEBEANS	**	**	**	5689.73	2818.88	49.54	**	**	**	**	**	**	**	**	**	5705.40	2814.12	49.32
FIELDPEAS	63.53	30.75	48.41	**	**	**	**	**	**	36.57	15.49	42.35	69.31	30.98	44.70	**	**	**
HARICOTBEANS	45.29	10.02	22.12	317.29	75.74	23.87	3.46	1.70	48.96	24.12	10.66	44.19	48.75	11.33	23.23	341.41	79.21	23.20
CHICKPEAS	44.88	11.50	25.62	263.18	82.06	31.18	**	**	**	**	**	**	45.40	12.28	27.05	264.00	83.11	31.48
LENTILS	15.58	4.93	31.62	92.49	28.02	30.29	**	**	**	**	**	**	15.70	5.10	32.52	92.53	29.24	31.60
VECTH	24.02	5.99	24.92	221.17	57.78	26.13	**	**	**	**	**	**	24.08	6.19	25.71	221.87	60.56	27.30
OTHERS	123.28	16.70	13.54	776.99	129.86	16.71	**	**	**	**	**	**	131.01	17.72	13.53	794.65	130.86	16.47
NEUG	43.01	7.14	16.61	207.84	37.93	18.25	–	–	–	**	**	**	43.01	8.09	18.80	208.32	41.32	19.84
LINSEED	66.49	12.00	18.05	412.61	86.27	20.91	–	–	–	–	–	–	66.49	13.50	20.30	412.61	91.67	22.22
RAPESEED	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
GROUNDNUTS	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
SUNFLOWER	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SEASAME	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
FENUGREEK	3.65	1.68	46.07	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**

ESTIMATES OF AREA, PRODUCTION, STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR MAJOR MEHER AND BELG SEASONS CROPS, SOMALIE
1996/97 (1989 E.C.)

TYPE OF CROP	MEHER SEASON						BELG SEASON						TOTAL					
	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)
CEREALS	21.14	4.65	22.01	228.06	63.37	27.79	**	**	**	72.47	31.06	42.86	23.60	4.70	19.93	300.53	67.68	22.52
TEFF	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
BARELY	2.72	0.74	27.40	26.13	8.50	32.54	0.06	0.03	44.66	**	**	**	2.77	0.92	32.99	26.52	9.90	37.33
WHEAT	2.03	0.57	27.89	13.60	5.47	40.19	0.14	0.05	33.67	0.86	0.30	35.00	2.17	0.68	31.36	14.46	5.79	40.06
MAIZE	8.46	1.41	16.66	109.38	34.53	31.57	1.41	0.60	42.59	41.12	12.87	31.31	9.87	1.97	19.95	150.50	39.35	26.14
SORGHUM	7.92	1.54	19.40	78.68	22.40	28.47	**	**	**	30.11	13.68	45.44	8.77	2.07	23.58	108.79	28.35	26.06
MILLET	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
OATS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PULSES	**	**	**	**	**	**	**	**	**	**	**	**	0.17	0.07	41.52	**	**	**
HORSEBEANS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
FIELDPEAS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
HARICOTBEANS	**	**	**	**	**	**	0.13	0.05	39.36	**	**	**	0.15	0.07	47.29	**	**	**
CHICKPEAS	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
LENTILS	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
VECTH	–	–	–	**	**	**	–	–	–	–	–	–	–	–	–	–	–	–
OTHERS	–	–	–	–	–	–	**	**	**	**	**	**	**	**	**	**	**	**
NEUG	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LINSEED	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RAPESEED	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
GROUNDNUTS	–	–	–	–	–	–	**	**	**	**	**	**	**	**	**	**	**	**
SUNFLOWER	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SEASAME	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
FENUGREEK	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Abbriviations.
S.E.= Standared Error
C.V.= Coefficient of Varination
– Insignificant or not available

ESTIMATES OF AREA, PRODUCTION, STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR MAJOR MEHER AND BELG SEASONS CROPS, BENISHANGUL.
1996/97 (1989 E.C.)

TYPE OF CROP	MEHER SEASON						BELG SEASON						TOTAL					
	AREA (000' HA)	S.E. (000' HA)	C.V. (%)	PRODUCTION (000' QT)	S.E. (000' QT)	C.V. (%)	AREA (000' HA)	S.E. (000' HA)	C.V. (%)	PRODUCTION (000' QT)	S.E. (000' QT)	C.V. (%)	AREA (000' HA)	S.E. (000' HA)	C.V. (%)	PRODUCTION (000' QT)	S.E. (000' QT)	C.V. (%)
CEREALS	100.03	14.07	14.06	1194.76	218.17	18.26	0.15	0.07	48.28	**	**	**	100.18	14.07	14.04	1197.24	218.39	18.24
TEFF	22.53	4.77	21.18	112.69	30.97	27.48	–	–	–	–	–	–	22.53	4.87	21.60	112.69	31.58	28.02
BARELY	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
WHEAT	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
MAIZE	22.83	3.67	16.09	477.83	129.36	27.07	0.12	0.06	48.68	**	**	**	22.96	3.81	16.58	480.16	128.63	26.79
SORGHUM	38.02	4.63	12.19	488.78	85.19	17.43	**	**	**	**	**	**	38.04	5.25	13.81	488.92	94.45	19.32
MILLET	12.47	4.27	34.26	72.18	28.76	39.85	–	–	–	–	–	–	12.47	4.46	35.81	72.18	29.51	40.88
OATS	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
PULSES	4.18	1.18	28.15	36.83	12.11	32.87	0.04	0.02	49.79	**	**	**	4.22	1.18	27.91	37.15	12.09	32.55
HORSEBEANS	1.04	0.49	46.64	15.76	7.26	46.07	**	**	**	–	–	–	1.05	0.49	46.61	15.76	7.28	46.19
FIELDPEAS	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
HARICOTBEANS	2.55	0.96	37.65	16.64	7.49	44.98	0.04	0.02	48.05	0.32	0.13	41.83	2.59	0.98	37.82	16.96	7.58	44.67
CHICKPEAS	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
LENTILS	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
VECTH	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
OTHERS	20.20	3.48	17.21	84.14	15.40	18.30	–	–	–	–	–	–	20.20	3.48	17.21	84.14	15.40	18.30
NEUG	15.39	2.98	19.38	49.66	11.89	23.95	–	–	–	–	–	–	15.39	3.22	20.93	49.66	12.00	24.17
LINSEED	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
RAPESEED	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
GROUNDNUTS	0.85	0.36	41.76	10.22	4.48	43.81	–	–	–	–	–	–	0.85	0.37	42.74	10.22	4.50	44.00
SUNFLOWER	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SEASAME	3.76	1.29	34.31	23.71	8.09	34.13	–	–	–	–	–	–	3.76	1.32	35.06	23.71	8.55	36.07
FENUGREEK	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

ESTIMATES OF AREA, PRODUCTION, STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR MAJOR MEHER AND BELG SEASONS CROPS, S.N.N.P.R
1996/97 (1989 E.C.)

TYPE OF CROP	MEHER SEASON						BELG SEASON						TOTAL					
	AREA (000' HA)	S.E. (000' HA)	C.V. (%)	PRODUCTION (000' QT)	S.E. (000' QT)	C.V. (%)	AREA (000' HA)	S.E. (000' HA)	C.V. (%)	PRODUCTION (000' QT)	S.E. (000' QT)	C.V. (%)	AREA (000' HA)	S.E. (000' HA)	C.V. (%)	PRODUCTION (000' QT)	S.E. (000' QT)	C.V. (%)
CEREALS	493.97	49.33	9.99	7434.26	845.52	11.37	178.78	50.36	28.17	1206.80	239.90	19.88	672.75	73.13	10.87	8641.06	905.24	10.48
TEFF	147.47	18.19	12.33	1203.32	147.09	12.22	15.00	4.69	31.26	77.62	30.12	38.81	162.47	21.75	13.39	1281.13	171.87	13.42
BARELY	60.79	12.07	19.85	925.80	240.29	25.96	24.29	10.67	43.92	97.07	32.43	33.41	85.08	18.61	21.87	1022.86	263.10	25.72
WHEAT	73.89	8.58	11.62	1176.37	170.31	14.48	**	**	**	16.54	6.31	38.12	76.62	10.70	13.96	1192.91	207.57	17.40
MAIZE	152.53	16.11	10.56	3159.28	432.15	13.68	115.09	34.01	29.55	900.54	170.48	18.93	267.62	40.70	15.21	4059.83	498.74	12.28
SORGHUM	56.40	8.13	14.41	952.82	156.75	16.45	16.78	5.42	32.31	107.27	23.42	21.83	73.18	10.65	14.55	1060.10	168.00	15.85
MILLET	2.88	1.28	44.38	16.04	6.28	39.15	**	**	**	**	**	**	**	**	**	23.79	8.84	37.17
OATS	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
PULSES	65.93	9.72	14.75	584.63	90.17	15.42	28.75	9.10	31.64	87.61	18.87	21.54	94.68	13.81	14.59	672.24	94.23	14.02
HORSEBEANS	28.90	4.28	14.82	327.86	61.60	18.79	**	**	**	8.57	2.98	34.74	32.51	4.98	15.30	336.43	63.52	18.88
FIELDPEAS	22.93	6.43	28.05	148.58	42.80	28.81	**	**	**	**	**	**	24.09	6.72	27.90	152.71	43.79	28.67
HARICOTBEANS	11.85	2.15	18.11	96.94	19.07	19.67	23.89	8.04	33.65	74.42	15.38	20.66	35.74	9.81	27.46	171.36	35.87	20.93
CHICKPEAS	**	**	**	10.54	4.73	44.89	0.10	0.03	34.46	0.49	0.20	41.49	**	**	**	11.02	4.80	43.51
LENTILS	**	**	**	**	**	**	**	**	**	–	–	–	**	**	**	**	**	**
VECTH	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
OTHERS	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
NEUG	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
LINSEED	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
RAPESEED	–	–	–	–	–	–	**	**	**	–	–	–	**	**	**	–	–	–
GROUNDNUTS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SUNFLOWER	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
SEASAME	–	–	–	–	–	–	**	**	**	**	**	**	**	**	**	**	**	**
FENUGREEK	–	–	–	–	–	–	**	**	**	–	–	–	**	**	**	–	–	–

Abbriviations.
S.E.= Standared Error
C.V.= Coefficient of Variation
– Insignificant or not available

ESTIMATES OF AREA, PRODUCTION, STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR MAJOR MEHER AND BELG SEASONS CROPS, GAMBELLA
1996/97 (1989 E.C.)

TYPE OF CROP	MEHER SEASON						BELG SEASON						TOTAL					
	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)
CEREALS	7.36	1.95	26.53	287.22	88.50	30.81	**	**	**	**	**	**	7.88	2.00	25.34	292.68	88.15	30.12
TEFF	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
BARELY	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WHEAT	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MAIZE	4.36	1.22	28.10	178.11	61.18	34.35	**	**	**	3.19	1.35	42.19	4.70	1.29	27.36	181.30	61.75	34.06
SORGHUM	2.97	0.95	32.09	108.95	41.76	38.33	**	**	**	**	**	**	3.14	0.98	31.00	111.10	42.13	37.92
MILLET	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
OATS	–	–	–	–	–	–	**	**	**	–	–	–	**	**	**	–	–	–
PULSES	**	**	**	–	–	–	–	–	–	–	–	–	**	**	**	–	–	–
HORSEBEANS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
FIELDPEAS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
HARICOTBEANS	**	**	**	–	–	–	–	–	–	–	–	–	**	**	**	–	–	–
CHICKPEAS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LENTILS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VECTH	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OTHERS	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
NEUG	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LINSEED	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RAPESEED	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
GROUNDNUTS	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
SUNFLOWER	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SEASAME	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
FENUGREEK	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

ESTIMATES OF AREA, PRODUCTION, STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR MAJOR MEHER AND BELG SEASONS CROPS, HARARI
1996/97 (1989 E.C.)

TYPE OF CROP	MEHER SEASON						BELG SEASON						TOTAL					
	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)
CEREALS	2.23	0.24	10.92	22.53	3.92	17.40	–	–	–	**	**	**	2.23	0.24	10.92	22.56	3.91	17.34
TEFF	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
BARELY	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
WHEAT	0.05	0.02	44.29	**	**	**	–	–	–	–	–	–	0.05	0.02	44.29	**	**	**
MAIZE	0.82	0.11	12.80	10.69	2.03	18.95	–	–	–	**	**	**	0.82	0.11	12.80	10.73	2.02	18.84
SORGHUM	1.34	0.16	11.80	11.31	2.26	19.99	–	–	–	**	**	**	1.34	0.16	11.80	11.31	2.26	19.98
MILLET	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OATS	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
PULSES	–	–	–	–	–	–	**	**	**	**	**	**	**	**	**	**	**	**
HORSEBEANS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
FIELDPEAS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
HARICOTBEANS	–	–	–	–	–	–	**	**	**	**	**	**	**	**	**	**	**	**
CHICKPEAS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LENTILS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VECTH	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OTHERS	0.29	0.12	41.77	2.82	1.33	47.32	–	–	–	–	–	–	0.29	0.12	41.77	2.82	1.33	47.32
NEUG	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LINSEED	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RAPESEED	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
GROUNDNUTS	0.29	0.12	41.77	2.82	1.33	47.32	–	–	–	–	–	–	0.29	0.12	41.77	2.82	1.33	47.32
SUNFLOWER	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SEASAME	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
FENUGREEK	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Abbriviations.
S.E.= Standared Error
C.V.= Coefficient of Variation
– Insignificant or not available

ESTIMATES OF AREA, PRODUCTION, STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR MAJOR MEHER AND BELG SEASONS CROPS, ADDIS ABABA
1996/97 (1989 E.C.)

TYPE OF CROP	MEHER SEASON						BELG SEASON						TOTAL					
	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)
CEREALS	5.90	0.95	16.12	69.23	21.05	30.41	**	**	**	**	**	**	5.91	0.95	16.07	69.37	21.05	30.34
TEFF	3.53	0.67	18.90	36.22	11.88	32.79	**	**	**	–	–	–	3.53	0.67	18.88	36.22	11.88	32.79
BARELY	**	**	**	**	**	**	–	–	–	**	**	**	**	**	**	**	**	**
WHEAT	2.15	0.32	14.89	31.01	9.57	30.86	**	**	**	**	**	**	2.16	0.32	14.84	31.09	9.56	30.76
MAIZE	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SORGHUM	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
MILLET	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OATS	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
PULSES	2.19	0.68	31.04	23.19	6.16	26.55	–	–	–				2.19	0.68	31.04	23.19	6.16	26.55
HORSEBEANS	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
FIELDPEAS	**	**	**	–	–	–	–	–	–	–	–	–	**	**	**	–	–	–
HARICOTBEANS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CHICKPEAS	0.43	0.09	22.03	4.13	1.36	33.02	–	–	–	–	–	–	0.43	0.09	22.03	4.13	1.36	33.02
LENTILS	0.42	0.17	41.03	5.98	1.75	29.26	–	–	–	–	–	–	0.42	0.17	41.03	5.98	1.75	29.26
VECTH	1.31	0.53	39.97	12.62	4.45	35.23	–	–	–	–	–	–	1.31	0.53	39.97	12.62	4.45	35.23
OTHERS	0.05	0.02	36.95	0.22	0.10	44.03	–	–	–				0.05	0.02	36.95	0.22	0.10	44.03
NEUG	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LINSEED	**	**	**	**	**	**	–	–	–	–	–	–	**	**	**	**	**	**
RAPESEED	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
GROUNDNUTS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SUNFLOWER	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SEASAME	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
FENUGREEK	0.04	0.02	40.80	**	**	**	–	–	–	–	–	–	0.04	0.02	40.80	**	**	**

ESTIMATES OF AREA, PRODUCTION, STANDARD ERROR AND COEFFICIENT OF VARIATION
FOR MAJOR MEHER AND BELG SEASONS CROPS, DIRE DAWA
1996/97 (1989 E.C.)

TYPE OF CROP	MEHER SEASON						BELG SEASON						TOTAL					
	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)	AREA ('000' HA)	S.E. ('000' HA)	C.V. (%)	PRODUCTION ('000' QT)	S.E. ('000' QT)	C.V. (%)
CEREALS	0.68	0.29	42.42	4.31	1.64	38.06	**	**	**	**	**	**	0.69	0.29	42.01	4.35	1.65	37.88
TEFF	–	–	–	**	**	**	–	–	–	–	–	–	–	–	–	**	**	**
BARELY	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WHEAT	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MAIZE	0.23	0.11	46.43	0.87	0.42	48.52	**	**	**	**	**	**	0.23	0.11	48.99	0.91	0.45	49.23
SORGHUM	0.45	0.16	35.18	3.42	1.13	32.95	**	**	**	–	–	–	0.45	0.18	39.34	3.42	1.29	37.80
MILLET	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OATS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PULSES	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
HORSEBEANS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
FIELDPEAS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
HARICOTBEANS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CHICKPEAS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LENTILS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VECTH	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OTHERS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
NEUG	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LINSEED	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RAPESEED	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
GROUNDNUTS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SUNFLOWER	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SEASAME	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
FENUGREEK	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Abbriviations.
S.E.= Standared Error
C.V.= Coefficient of Varintion
– Insignificant or not available

APPENDIX I

STANDARD ERROR AND COEFFICIENT OF VARIATIONS FOR AREA AND PRDODUCTION ESTIMATES

ባለፉት አምስት ዓመታት የማዳበሪያ አጠቃቀም መጠን

(ማስታወሻ: በዚህ ቅጽ ለቀረቡ ጥያቄዎች መረጃ የሚሰበሰበው ለጥናቱ ከተመረጠ ቤተሰብ የቤተሰብ ኃላፊ ወይም ጥያቄዎቹን ለመመለስ ከሚችል መሆን ይኖርበታል::)

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1. በ1989 የምርት ዘመን ማዳበሪያ ተጠቅመዋል?
   1. ተጠቅሜአለሁ 2. አልተጠቀምኩም
   (መልስ ኮድ 2 ከሆነ ወደ 5 ጥያቄ አለፍ)

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2. ባለፉት አምስት ዓመታት በማሣዎ ላይ የኢንዱስትሪ ውጤት የማዳበሪያ አጠቃቀም መጠን ለውጥ እንዴት ነበር?
   1. ጨምሯል 3. ለውጥ የለውም
   2. ቀንሷል 4. አላውቅም/አላስታውስም

1ኛ	2ኛ	3ኛ
28	29	30

3. በተራ ቁ. 2 መልሱ ይጨምራል ከሆነ ዋነኛ ምክንያቶቹ ምንድን ናቸው? (3 ምክንያቶች በአስፈላጊነታቸው ቅደም ተከተል ይገለጹ)

   1. የመሬት ምርታማነት መቀነስ
   2. (በቤተሰቡ/ በአካባቢው እርሻ ላይ ማዳበሪያ መጠቀም ጥሩ ሆኖ ስለተገኘ
   3. የማዳበሪያ አቅርቦት በመጨመሩ
   4. የማዳበሪያ ዋጋ በመቀነሱ
   5. የብድር አገልግሎት በመጨመሩ/በመሻሻሉ
   6. የግብርና ልማት ኤክስቴንሽን ዘዴ ስለተሻሻለ
   7. ሌላ ይገለጽ _____

1ኛ	2ኛ	3ኛ
31	32	33

4. በተራ ቁ. 2.1 መልሱ ቀንሷል ከሆነ ዋነኛ ምክንያቶቹ ምንድንናቸው?(3 ምክንያቶች በአስፈላጊነታቸው ቅደም ተከተል ይገለጹ)

   1. የመሬት ምርታማነት በመጨመሩ
   2. (በቤተሰቡ/በአካባቢው እርሻ ላይ ማዳበሪያ በመጠቀም ምርት እንዲጨምር ስላላደረገ
   3. የማዳበሪያ አቅርቦት በመቀነሱ
   4. የማዳበሪያ ዋጋ በመጨመሩ
   5. የብድር አገልግሎት በመቀነሱ
   6. ሌላ ይገለጽ _____

1ኛ	2ኛ
34	35

5. በተራ ቁ.፬ መልሱ ማዳበሪያ አልተጠቀሙም ከሆነ ዋነኛ ምክንያቶቹ ምንድንናቸው?(2 ምክንያቶች በአስፈላጊነታቸው ቅደም ተከተል ይገለጹ)

   1. ስለማዳበሪያ ጥቅም ባለማወቅ
   2. ማዳበሪያ ውድ ስለሆነ
   3. የገንዘብ እጥረት ስላላ
   4. የማዳበሪያ አቅርቦት ስለሌለ
   5. ብድር ማግኘት ስላልተቻለ
   6. ምርት ላይጨምር ቢችል እስከራሱ ብሎ በመስጋት
   7. ሌላ ይገለጽ _____

8. ለማዳበሪያ መግዣ የፈለጉትን ብድር በፈለጉት መጠን አግኝተው ነበር?

1= አግኝቻለሁ

2= አላገኘሁም

68

9. በ1989 ለማዳበሪያ መግዣ ለወሰዱት ብድር የከፈሉት ወለድ እንዴት ነበር?

1= መጠነኛ 2= ከፍተኛ

3= በጣም ከፍተኛ

69

10. የወሰዱትን ብድር ለመክፈል ተቸግረው ነበር?

1= ተቸግሬያለሁ 2= አልተቸገርኩም

70

11. በተራ ቁ. 10 ለቀረበው ጥያቄ የተሰጠው መልስ ተቸግሬያለሁ ከሆነ ምክንያቶቹ ምንድን ናቸው?

1= ሰብሌ በመጥፋቱ

2= ማዳበሪያው የሚፈለገውን ያህል ውጤት ስላልሰጠ

3= ሌሎች ወጪዎች ስለበዙብኝ

4= ምርቱ ከቤተሰቤ ፍጆታ ስላላለፈ

5= ሌላ (ይገለጽ) _____

71

12. ለማዳበሪያ መግዣ የሚውል ብድር ከእህል ነጋዴዎች አግኝተው ነበር?

1= አግኝቻለሁ

2= አላገኘሁም

72

13. በተራ ቁ.12 ለቀረበው ጥያቄ የተሰጠው መልስ
አግኝቻለሁ ከሆነ ብድሩን የከፈሉት እንዴት ነበር?

1= በጥሬ ገንዘብ 2= በዓይነት

3= በሁለቱም ነው 4= አልከፈልኩም

73

14. በተራ ቁ. 13 ለቀረበው ጥያቄ የተሰጠው መልስ
በጥሬ ገንዘብ ከሆነ ለብድሩ የከፈሉት ወለድ
ባንክ ከሚያስከፍለው ጋር ሲነጻጸር እንዴት ነበር?

1. እኩል ነው 2. ከፍ ያለ ነው

3. ዝቅተኛ ነው 4= ወለድ አልነበረውም

74

15. በተ.ቁ.13 ለቀረበው ጥያቄ መልሱ በዓይነት ከሆነ
የእህሉን ዋጋ በቅድሚያ እርስዎና ነጋዴው
ወስናችሁ ነበር?

1= ወስነናል

2. አልወሰንም

75

16. በተ.ቁ.15 ለቀረበው ጥያቄ መልሱ ወስነናል
ከሆነ ከገበያ ዋጋ ጋር ሲነጻጸር እንዴት ነበር?

1= ያንሳል 2= ለውጥ የለውም

3= ይጨምራል

76

የማዳበሪያ አቅርቦትና፣የብድር አገልግሎት፡ ሁኔታ፡
(የ1989 ዓ.ም የሰብል ምርት ዘመን በሚመለከት)

(ማስታወሻ፡ በዚህ ቅጽ ለቀረቡ ጥያቄዎች መረጃ የሚሰበሰበው ለጥናቱ ከተመረጠ ቤተሰብ የቤተሰብ ኃላፊ ወይም ጥያቄዎቹን ለመመለስ ከሚችል መሆን ይኖርበታል::)

1. ማዳበሪያ የሚጠቀሙበት ወቅት/ጊዜ መቼ ነው? **26**
   - 1= በዘር ወቅት ወይም ከዘር በፊት
   - 2= ሰብሉ በማደግ ላይ እያለ
   - 3= በሁለቱም ጊዜ (1ና2)

2. ማዳበሪያ ያገኙት /ምንጩ/ ከየት ነው ? **27**
   - 1= ከአይስኮ ሽያጭ ጣቢያ (AISCO)
   - 2= ከግል ነጋዴዎች (ኩባንያ)
   - 3= ሌላ (ይገለጽ) ኅብረተሰብ
   - 4= አላውቅም

3. ማዳበሪያ በወቅቱ አግኝተዋል? **28**
   - 1= አግኝቻለሁ
   - 2= አላገኘሁም

4. የሚፈልጉትን መጠን ያህል ማዳበሪያ አግኝተዋል ? **29**
   - 1= አግኝቻለሁ
   - 2= አላገኘሁም

5. በ1989 ዓ.ም. ማዳበሪያ ለመግዣ ብድር አግኝተው ነበር?

1= አግኝቻለሁ

2= አላገኘሁም

30

6. በ1989 ገዝተው ከተጠቀሙት ማዳበሪያ ውስጥ ምን ያህሉ በብድር፣ ምን ያህሉን እጅ በእጅ ተገዛ?

6.1 በብድር የተገዛው መጠን በኪ.ግ. እና ዋጋ በብር ይገለጽ

መጠን በኪ.ግ. _____

ጠቅላላ ዋጋ በብር _____

31

ኪ.ግ				ግራም		
32	33	34	35	36	37	38

ብር				ሳንቲም		
39	40	41	42	43	44	45

6.2 እጅ በእጅ ወይም በካሽ የተገዛው መጠን በኪ.ግ እና ዋጋ በብር ይገለጽ

መጠን በኪ.ግ. _____

ጠቅላላ ዋጋ በብር _____

ኪ.ግ				ግራም		
46	47	48	49	50	51	52

ብር				ሳንቲም		
53	54	55	56	57	58	59

6.3 በብድር ከገዙት ጠቅላላ ማዳበሪያ ዋጋ ውስጥ በቅድሚያ የከፈሉት ምን ያህሉን ነበር?

ብር ____

ብር					ሳንቲም	
60	61	62	63	64	65	66

7. ለማዳበሪያ መግዣ የፈለጉትን ብድር በወቅቱ አግኝተው ነበር?

1= አግኝቻለሁ

2= አላገኘሁም

67

5. የመሬቱን ለምነት ለማሻሻል ሰብሎችን በመለዋወጥ ዘርተዋል?

1= ዘርቻለሁ 2= አልዘራሁም

33

6. ከአንድ ሄክታር የሚገኘውን ምርት ለማሳደግ ከግብርና ልማት ሠራተኛ ዕርዳታ ወይም ምክር አግኝተው ነበር?

1= አግኝቻለሁ 2= አላገኘሁም

34

7. በተ.ቁ. 6 መልሱ አግኝቻለሁ ከሆነ ምክር/ ዕርዳታው እንዴት ተገኘ?

1= በግል እርሻዬ ላይ ጉብኝት አድርጉ

2= በጋራ ውይይት ወይም ከሰርቶ ማሣያ ጣቢያ

3= ከግብርና ልማት ሠራተኛ ምክር አግኝተው ከነበሩ ሌሎች ገበሬዎች

4= ሌላ (ይገለጽ) _____

35

8. ከማዳበሪያበተጨማሪ ምርትን ለማሳደግ የሚጠቀሙባቸው የምርት ማሳደጊያ ዓይነቶች የትኞቹ ናቸው?

(በአስፈላጊነታቸው ቅደም ተከተል ይገለጹ)

1= ምርጥ ዘር

2= ፀረ-ተባይና ፀረ-አረም ማጥፊያ መድኃኒት

3= የተሻሻሉ እርሻ መሣሪያዎች

4= ሌላ (ይገለጽ) _____

1ኛ	2ኛ	3ኛ	4ኛ
36	37	38	39

ቅጽ-4

የተፈጥሮ ማዳበሪያ አጠቃቀም ሁኔታ

(ማስታወሻ: በዚህ ቅጽ ለቀረቡ ጥያቄዎች መረጃ የሚሰበሰበው ለጥናቱ ከተመረጠ ቤተሰብ የቤተሰብ ኃላፊ ወይም ጥያቄዎቹን ለመመለስ ከሚችል መሆን ይኖርበታል::)

1. የቤት እንስሳት እዳሪን ተጠቅመው ነበር? 26

   1= ተጠቅሜያለሁ 2= አልተጠቀምኩም

2. በተራ ቁጥር 1 የተሰጠው መልስ ተጠቅሜያለሁ ከሆነ የቤት እንስሳት እዳሪን ከዚህ በታች ለተዘረዘሩት አገልግሎቶች ተጠቅመዋል?

ሀ) የተፈጥሮ ማዳበሪያ 27

   1= ከተጠቅሙ 2= ካልተጠቀሙ

ለ) ለማገዶ 28

   1= ከተጠቅሙ 2= ካልተጠቀሙ

ሐ) ግድግዳና ወለል ለመቀባት 29

   1= ከተጠቅሙ 2= ካልተጠቀሙ

መ) ሌላ ይገለጽ _____ 30

   1= ከተጠቅሙ 2= ካልተጠቀሙ

3. የዕጽዋት ሥራሥር፣ ግንዱን፣ ቅጠሉን ... ወዘተ ብስባሽ (Compost) ተጠቅመው ነበር? 31

   1. ተጠቅሜአለሁ 2. አልተጠቀምኩም

4. የእርሻ ማሣዎን ለማከር ሌሌች ሰብሎች በቅድሚያ በመዝራት ገልብጠው አርሠው ለማዳበሪያነት ተጠቅመዋል? 32

   1. ተጠቅሜአለሁ 2. አልተጠቀምኩም

9. በ1989 ዓ.ም. ምርት ዘመን በቤትም ወይም በአካባቢም በሚገኝ ገበያ ላይ እርስም ያመረቷቸው ሰብሎች የመሸጫ ዋጋ በኩንታል ስንት ነበር?

01= ጤፍ_____

02= ስንዴ_____

03= ገብስ_____

04= በቆሎ_____

05= ማሽላ_____

06= ቡና_____

07= ሌላ (ይገለጽ) _____

08= ሌላ (ይገለጽ) _____

ኮድ		ብር				ሣንቲም
40	41	42	43	44	45	46
47	48	49	50	51	52	53
54	55	56	57	58	59	60
61	62	63	64	65	66	67
68	69	70	71	72	73	74
75	76	77	78	79	80	81
82	83	84	85	86	87	88
89	90	91	92	93	94	95

10. በ1989 ዓ.ም.እርስም ማዳበሪያ ለመጠቀም ቅድሚያ የሰጧቸው ሦስት ዋና ዋና ሰብሎች በቅደም ተከተል ቢገልጹልን?

01= ጤፍ 09= ባቄላ

02= ስንዴ 10= አደንጓሬ

03= ገብስ 11= አተር

04= በቆሎ 12= ሌላ

05= ማሽላ (ይገለጽ) _____

1ኛ		2ኛ		3ኛ	
96	97	98	99	100	101

11. በእነዚህ ሰብሎች ላይ አብዛኛውን ማዳበሪያ ለመጠቀም ለምን መረጡ?(3 ምክንያቶች በአስፈላጊነታቸው ቅደም ተከተል ይገለጹ)

1. ለምግብነት ስለምጠቀምባቸው
2. ሰብሎቹ ያለማዳበሪያ ውጤት ስለማይሰጡ
3. ጥሩ የገበያ ዋጋ ስላላቸው
4. ሌላ (ይገለጽ) _____

1ኛ	2ኛ	3ኛ
102	103	104

APPENDIX II

FERTILIZER BENCH MARK SURVEY QUESTIONNAIRE (AMHARIC VERSION)

የማዕከላዊ ስታትስቲክስ ባለሥልጣን እና የብሔራዊ ማዳበሪያ ኢንደስትሪ ኤጀንሲ

የማዳበሪያ አጠቃቀም መነሻ ጥናት - 1990

ክልል ---------- | 1 | 2 |

ዞን ---------- | 3 | 4 |

ወረዳ ---------- | 5 | 6 |

የገበሬ ማህበር ---------- | 7 | 8 | 9 |

የቆጠራ ቦታ ---------- | 10 | 11 |

የቤተሰብ መለያ ቁጥር ---------- | 12 | 13 | 14 |

የኃላፊነት ደረጃ	ስም	ፊርማ	ቀን
መረጃ ሰብሳቢ			/ /
ተቆጣጣሪ			/ /
የቅ/አ/ቤት ስታቲ. ኃላፊ			/ /
ኢዲተር			/ /
ኢዲተር ቬራፊይረ			/ /
ዳታ ኢንኮደር			/ /
ቬራፊይረ ኢንኮደር			/ /

የማዕከላዊ ስታትስቲክስ ባለሥልጣን እና የብሔራዊ ማዳበሪያ ኢንደስትሪ ኤጀንሲ

የማዳበሪያ አጠቃቀም መነሻ ጥናት - 1990

ክፍል 1 - የአካባቢ መለያ

1	2	3	4	5	6	7	8	9	10	11						12
ክልል	ዞን	ወረዳ	የገበሬ ማህበር ስም	የቆጠራ ቦታ	የቤተሰብ መለያ ቁጥር (ቅጽ 90/1 ክ/2 ዓምድ 1)	የቤተሰብ ኃላፊ ስም	የቤተሰብ ኃላፊ ፆታ ወ= 1 ሴ= 2	የቤተሰብ ኃላፊ ዕድሜ	የትምህርት ሁኔታ	የቤተሰብ አባላት ብዛት						የግብርናው ዓይነት ሰብል =1 ከብት =2 ሁለቱም=3
										ወንድ		ሴት		ጠቅላላ		
1 2	3 4	5 6	7 8 9	10 11	12 13 14	15 16 17			18	19 20		21 22		23 24		25

1. ማንበብና መጻፍ የሚችል
2. ማንበብና መጻፍ የማይችል

ክፍል 2 - የታረሰ ሙሬት ስፋትና የምርት መጠን በሰብል ዓይነት (የ1989 የመኸር ወቅትን በተመለከተ)

1	2	3		4	5	6							7						8	9	10						11						12
ተራ ቁጥር	የሰብል ስም			የሚሣው ስፋት									በሄክታር						የተመረተው የምርት መጠን														
		ኮድ		በአካባቢው መለኪያ															በአካባቢው መለኪያ								በአጠቃላይ						አስተያየት
				ስም		ኮድ		መጠን											ስም	ኮድ		መጠን											
26	27	28	29			30	31	32	33	34	35	36	37	38	39	40	41	42	43		44	45	46	47	48	49	50	51	52	53	54	55	56	57	
0	1																																
0	2																																
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0	4																																
0	5																																
0	6																																
0	7																																
0	8																																
0	9																																
1	0																																

ክፍል 3 - የታረሰ መሬት ስፋትና የምርት መጠን በሰብል ዓይነት (የ1989 የበልግ ወቅትን በተመለከተ)

1		2	3		4	5		6						7						8	9		10						11						12
ተራ ቁጥር		የሰብል ስም			የማሣው ስፋት															የተመረተው የምርት መጠን														
					በአካባቢው መለኪያ									በሄክታር						በአካባቢው መለኪያ									በኩንታል						አስተያየት
			ኮድ		ስም	ኮድ		መጠን												ስም	ኮድ		መጠን											
26	27		28	29		30	31	32	33	34	35	36	37	38	39	40	41	42	43		44	45	46	47	48	49	50	51	52	53	54	55	56	57	
0	1	ጤፍ																																
0	2	ስንዴ																																
0	3	ገብስ																																
0	4	በቆሎ																																
0	5	ማሽላ																																
0	6																																	
0	7																																	
0	8																																	
0	9																																	
1	0																																	

ክፍል 4 - በ1989 ዓ.ም በበልግና በመኸር ወቅት የማዳበሪያ አጠቃቀም መጠን በሰብል ዓይነትና መሬት ስፋት

1		2	3		4	5	6						7						8					9	10	11						12						13				
ተራ					በበልግ ወቅት																			በመኸር ወቅት																	
					የማዳ ስፋት														የተጠቀመበት ማዳበሪያ መጠን					የማዳ ስፋት														የተጠቀመበት ማዳበሪያ መጠን				
		የሰብል			በአካባቢው መለኪያ								በሄክታር						በኪሎ ግራም					በአካባቢው መለኪያ								በሄክታር						በኪሎ ግራም				
ቁጥር		ስም	ኮድ		ስም	ኮድ	መጠን																	ስም	ኮድ	መጠን															
26	27		28	29		30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48		49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67
0	1	ጤፍ																																								
0	2	ስንዴ																																								
0	3	ገብስ																																								
0	4	በቆሎ																																								
0	5	ማሽላ																																								
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0	8																																								
0	9																																								
1	0																																								

ክፍል 5 - በ1989 ዓ.ም. የሰብል ምርት ዘመን ተገዝቶ በጥቅም ላይ የዋለ ማዳበሪያ ጠቅላላ መጠን በዓይነት

1		2	3		4								5							6							7
ተራ					የ ማዳበሪያ መጠን																						
		የማዳበሪያ			በመኸር ወቅት								በበልግ ወቅት							ጠቅላላ መጠን							
ቁጥር		ስም(ዓይነት)	ኮድ		ኪ.ግ.					ግራም			ኪ.ግ.				ግራም			ኪ.ግ.				ግራም			አስተያየት
26	27		28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	
0	1	ዳፕ (DAP)																									
0	2	ዩሪያ (UREA)																									
0	3	ጠቅላላ																									