Federal Democratic Republic Of Ethiopia

CENTRAL AGRICULTURAL CENSUS COMMISSION

ETHIOPIA AGRICULTURAL CENSUS 2001/02 (1994E.C) FOR LARGE AND MEDIUM SCALE FARMS

Results at **COUNTRY LEVEL**



STATSTICAL REPORET ON AREA AND PRODUCTION OF CROPS, FARM MANAGEMENT PRACTICES, FARM IMPLEMENTS, MACHINERIES AND STORAGE FACILITIES

ADDIS ABABA

July, 2004

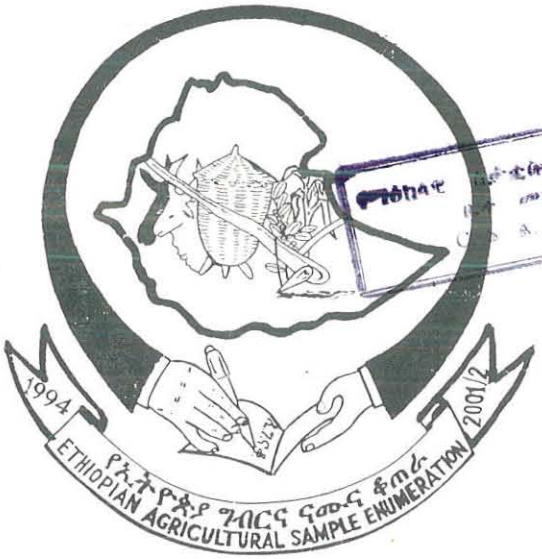
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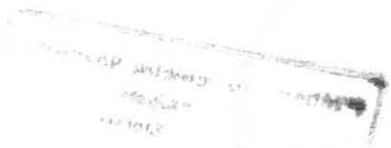
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STATISTICAL REPORT ON AREA AND PRRODUCTION OF CROPS, FARM MANGEMENT PRACTICES, FARM IMPLEMENTS, MACHIMERIES AND STORAGE FACILITIES

ADDIS ABABA
July, 2004



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Chapter I. Background

1. Introduction

Agricultural census had its origin many generations ago in the counting of animals and in the measurement of land and volume of crop production mainly for the purposes of program planning and administration. The problems being faced to day are not new, it is the scope and complexity that has changed. The prevailing world food problem, in general, and the increasing food shortages and malnutrition in developing countries, in particular have become more acute among others as a result of two factors.

- First, world population and specially in developing countries is increasing at a rate that points to doubling of the present population at the end of this century.
- Secondly, this is occurring at a time when the area of new land suitable for cultivation is rapidly diminishing.

Nowadays, the number of developing countries facing the aforementioned problems. These will increase at alarming rate to the extent that unless the concerned countries take immediate measures that could dramatically change the prevailing situation at the sooner time possible, the extended food shortage and hunger will result to the deaths of millions. The consequence of which will hinder the countries' economic growth where by social and economic disorder and instability are inevitable phenomenon in the years to come.

Thus, in addition to conducting agricultural sample surveys in annual basis, developing countries including Ethiopia, should also perform agricultural census / sample enumeration periodically, so as to make available and provide accurate, timely and disaggregated statistical information about the country's agriculture which are a prerequisite for policy formulation, planning, execution and evaluation of agricultural projects and programs targeted for poverty alleviation.

Since Ethiopia is among those developing countries that currently faced the above mentioned problems, there has been a long standing demand for conducting agricultural census/sample enumeration to fill in the existing data gap, to help promote the planning and implementation of development projects and programs.

2. Features of Ethiopian Agriculture

Agriculture is the ancient and primary activities of the Ethiopia population. Due to the existence of diversified topography, soil, weather and climatic conditions that favors various agricultural activities, the majority of the Ethiopian population have been engaged in and generate their income from the sector.

However, agriculture in Ethiopia is mainly characterized by the use of backward and traditional farm implements and subsistence farming system dominated by rain fed agricultural production, that resulted to low and declining productivity of the sector. Recently, the sector productivity reached to the level where it frequently failed to meet subsistence production at least enough to feed the country's population.

Despite the bottlenecks mentioned above and a number of other factors, agriculture in Ethiopia was and remain to be the leading and

determinant sector of the country's economy by being the major supplier of food crops for domestic consumption and the main sources of export commodities and capital to be accumulated for the process of establishing the future industrialized Ethiopia.

In order to make the sector plays its role to the level best, quite a number of efforts should be made by the concerned stakeholders to improve and change the overall performance of agricultural activities carried out on private agricultural holdings and large and medium scale farms.

All efforts required to bring about the desired change on the overall performance of the agricultural sector as a whole, could only be successful, if and only if, policies, strategies, implementation plans and programs and related efforts are made on these two agricultural sub-sectors. Thus, for better understanding of the agricultural sector as a whole, the nature and major characteristics of the two sub-sectors of the agricultural activities have to be discussed.

a) **Private agricultural holding:** this sub-sector includes rural-urban small and fragmented privately owned agricultural holdings on which all types of agricultural activities such as crop production livestock rearing...etc, are performed by the operator/holders to obtain agricultural produce for self/family consumption and sometimes for sell.

This sub-sector is mainly characterized by the use of traditional and back-ward farm implements and subsistence farming system with very limited use of modern farm inputs such as fertilizer, pesticides, improved seeds...etc, which result in lower productivity and then hand to mouth production. However, more than 94-96 % of the annual gross total agricultural output of the country is said to be generated from this sub-

sector. Nevertheless, the 2001/02 (1994E.C) Ethiopian Agricultural Sample Enumeration, the first of its kind, had covered the private agricultural holdings sub-sector on sampling basis, the result of which have already been produced and disseminated on a series of reports to the ultimate users.

b) **Large and medium scale farms**:- this sub-sector refers to the farms that include state, private commercial, and institutional farms mainly established for the purpose of profit making by selling agricultural products at local market and/or abroad. These farms are commonly owned and operated by government and non-government institutions, such as private individual investors, share holders, religious and non- religious institutions...etc. The sub-sector is mainly characterized by the use of relatively capital intensive, mechanized and market oriented farming system, with increased use of modern farm management practices and inputs such as, use of high tech-farm machineries and implements, irrigation scheme, use of chemical fertilizers, pesticides and improved seeds.

In Ethiopia, due to various reasons, large and medium scale farms are not widely spread, and as a result of which the contribution of these farms to the country's gross total agricultural output is limited only to about 4-6 percent. According to some written documents, the origin of large and medium scale farms in Ethiopia goes back to the Pre-Derg era, where government owned pilot state and research farms on the basis of Yugoslav model [MOSFD 1986-370], which pave the way for the establishment of private commercial, state and intuitional farms in Awassa, Arbaminch, Zeway and Shewarobit; which later on

transformed into well organized and relatively mechanized state, commercial and, institutional farms which are called collectively large and medium scale farms'.

Since then, large and medium scale farms in Ethiopia had been forced to be reorganized by undertaking, various structural and organizational adjustment with varying legal status including ownership over a number of economic policy changes that took place within feudalist, socialist and federal state of governments that took the state power of the country over the last three decades. Nevertheless, a decade has passed since the existing large and medium scale farms reorganized on the basis of market oriented economic policy adopted by the existing Federal Democratic Government of Ethiopia. However, as it had been in the past, much less was known about the currently existing large and medium scale farms contribution to the country's gross total agricultural output with respect to total volume of crop production and livestock population which again calls for means and ways that could help to fill-in the existing data gap with respect to this sub-sector. It is only after the 2001/02 (1994E.C) Agricultural Sample Enumeration detailed quantitative information on the overall agricultural performance of these farms presented in this report are made available to this country.

Consequently, the Central Statistical Authority had already produced and disseminated the results of the 2001/02 (1994E.C) Ethiopian Agriculture Sample Enumeration conducted on private peasant agricultural holdings in a series of reports to ultimate users.

This report, therefore, presents quantitative information on total area, volume of production and yield of major crops (temporary and

permanent), total crop area under different farm management practices, and total number of farm machineries and implements by type and value, transport and storage facilities by type, as obtained from the results of the 2001/02 (1994E.C.).

3. Objectives of the 2001/02 (1994E.C.) Large and Medium Scale Farm Agricultural Enumeration

3.1 The General Objectives are to provide:-

- benchmark data on the existing agricultural structures which do not change rapidly from year to year,
- detail data at the desired reporting levels.

3.2 The Specific Objectives are to provide:-

- bench mark data on crop area and volume of production by farm and crop type to fill-in the existing data gap,
- detail data on various inputs used for agricultural production, such as type and quantity of fertilizers, pesticides, and improved seeds,
- data on number and type of farm implements and machineries with respect to large and medium scale farms.

The provision and availability of the above-mentioned statistical information are important for the evaluation of the sub-sector's performance and quantify its contribution to the gross national agricultural output. The provision of the above mentioned information are also important for planning and policy formulation for promoting the establishment of large and medium scale farms, and also equally important for the design of long and short term development plans, and

programs of large and medium scale farms throughout the country. The availability of reliable and timely data on the overall performance of large and medium scale farms helps to design means and ways as how to facilitate the transformation of the existing small and fragmented private peasant agricultural holding to large and medium scale farms, in the long run.

Chapter II. Census Methodology and Operation

1. Census Methodology

1.1. Scope and coverage

Efforts were made to widen the scope of the year 2001/02 (1994E.C.) large and medium scale farms agricultural census by including most of variables that are important for policy making and planning of development programmes. However, to make the census field data collection, data processing and related activities manageable, only those data items that play a major role in the overall agricultural performance of the farms were considered. Thus, field data collection activities were designed to cover the following data items:-

- Area under permanent and temporary crops by crop type and season(Meher and Belg)
- Crop area under different farm management practices and quantity of input by crop and fertilizer type
- Number, service year and the current market value of farm implements, agricultural machineries, transport and storage facilities used by the farms, by type

The year 2001/02 (1994E.C) large and medium scale farms agricultural census covers all certified (legalized) State Farms (Government owned) Private Commercial Farms (owned by Private individuals investors

and/or shareholders) and Other farms (owned by government or non government institutions mandated for various activities different from agricultural production) such as - Prison Farms, School Farms, Youth Association Farms, NGOs' Farms that operate fully or partially during the census year on complete enumeration basis.

Note:- *the year 2001/02 (1994E.C.) Large and Medium Scale Farms didn't cover agricultural producer cooperative farms and those government and/or non government owned and operated commercial farms which engaged fully other than crop production and/or livestock, poultry rearing and/or in both i.e. those engaged in only forestry, fishers and flower production are totally excluded, for the only reason that the unique and inherent characteristics of agricultural activities carried out in such type of farms require different method of data collection, estimation procedure and trained manpower in the respective area . . . etc. that can not be handled in conventional agricultural census but through conducting special survey.*

1.2 Census design

The 2001/02(1994 E.C.) Large and Small Scale farms Census covered the entire Rural and Urban parts of the country. It was accomplished based on a complete enumeration basis.

It was by making use of administrative records as a frame that the census was carried out. The records were gathered from different relevant national and regional offices (such as Investment office, schools etc.). Before getting in touch with the fieldwork, a directory consisting of lists of Large and Small Scale farms by type and location was prepared. In compiling the directory, based on their types, the Large and Small Scale farms found was categorized into four different groups. They were,

1. State farms
2. Commercial farms

3. Co-operative farms
4. Others

However, the actual field inspection justified that not a single Co-operative farm was observed to be functional by the time of the census fieldwork. Hence, data were collected and analyzed only for the rest three categories specified above. Thus, the Census data for those categories were collected based on interview (subjective) method.

The total number of Large and Small Scale farms found was very few, so that, unlike other EASE (Ethiopian Agricultural Sample Enumeration) results, it was found to be not much important to give results at Wereda and Zone level. The 2001/02(1994 E.C.) Large and Small Scale farm census results were, therefore, provided only at regional and country level. The number of Large and Small Scale farms covered by type and region are given in the following table

Table A. Numbers of Large and Small Scale Farms By Type and Region

Region	**State Farm**	**Commercial Farm**	**Others**	**Total**
Tigray	-	255	7	**262**
Afar	5	23	-	**28**
Amhara	-	116	377	**493**
Oromia	19	202	1102	**1323**
Somali	-	12	9	**21**
Benishangul-Gumuz	-	44	119	**163**
S.N.N.P	6	74	418	**498**
Gambella	1	5	6	**12**
Harari	-	-	-	**-**
Addis Ababa	-	9	-	**9**
Dire Dawa	-	-	-	**-**
Total	**31**	**740**	**2038**	**2809**

2. Census Operations

2.1 Organization of Field Work

Census field organization is usually used as a means to link the data source with the central office to properly carry the field data collection operations and for the strict control and supervision of the fieldwork.

Since the Agricultural Census of large and medium scale farms is part and parcel of the 20001/02/1994E.C Ethiopian Agricultural Sample Enumeration, the field organization setup that has been used for the enumeration of private agricultural holdings was also used for the enumeration of large and medium scale farms. Moreover, as it has been planned earlier, the actual field data compilation operation for large and medium scale farms was scheduled to be started at the time the field data collection operation that have been carried out for private agricultural holdings were almost due completion. The field worker who was assigned for large and medium scale farm enumeration was responsible to cover a minimum of 1 and a maximum of 5 large and medium scale farms depending on the number of large and medium scale farms existing within the territory of the Branch Statistical Office the enumerator belongs to. Moreover, senior supervisors and coordinators who accomplish their assignment in the private peasant agricultural holdings enumeration were assigned as supervisors for quality control that includes spot check, re-interview, and check the consistence of information in the field in questionnaires...etc. The supervisors were also responsible for handling administrative and other technical problems during field data collection operation. At country level, a total of 645 enumerators were involved in the 2001/02 (1994 E.C) large and medium scale farm agricultural enumerations.

2.2- Training

Country experience indicates that, it is essential to provide instruction manual and training for census enumerators and supervisor in order to standardize procedures, secure common understanding of tasks to be performed and provide a reference guide during enumeration. Good data quality is assured when the training meets its objectives and the enumerators and supervisors show a sense of responsibilities and enthusiasm in the exercise of the census operations.

Considering the two sub-sectors that should be covered by the census, CSA organized a two stage training program that is a training of trainers and followed by training of field staff in such away that the training covers both sub –sectors simultaneously so as to utilize resourses effectively and economically.

Accooordingly, the first stage training was given at the CSA headquarter in Addis Ababa, to the trainers consisting of professional staff from the CSA head and branch statistical of offices and other federal, and regional government organizations. The training lasted for 30 days; including class room sessions, field practice and demonstration. During the first stage a total of 550 personnel took part in the training session.

The second stage training followed the same pattern and took place in 47 training centers located at different parts of the country and the training took 50 days. The standard of training given to enumerators and supervisors will be reflected in the census results. With this in mind, the CSA offered a rigorous and thorough training to the enumerators and

supervisors. Ample time has been allotted to it to help the trainees grasp the theoretical and practical aspects of data collection. The training sessions were repeatedly supplemented by field practice and demonstrations to reinforce the trainees understanding of the course. The supervisors have had a separate training session on supervisory activities in which the responsibilities of supervisors, field supervision, checking and editing completed forms and preparations of progress reports were reiterated.

2.3 Method of enumeration

Large and medium scale farms used to properly register and document each and every activity carried out mainly for administrative purpose. In Ethiopia, therefore, the data collection operation that was carried out for in 2001/02(1994 E.C.) on large and medium scale farms was performed simply by compiling data from already existing administrative records found in each of the respective farm.

2.4 Census Forms and Quality Control in Data Collection

2.4.1 Census Forms

The census forms for large and medium scale farms are the vehicle and basic document for collecting the desired data. These include general-purpose forms covering farm management practices, area and production of both temporary and permanent crops; etc. These forms are formulated for recording data generated through interview as well as recording data from administrative records documented to meet other objectives.

Although the planning, organization and execution of the census were the responsibility that rested within the CSA, to make the whole census operation demand driven, the CSA has formed a census task force, where the members are contributed from 17 different institutions, to work on the questionnaire content. Members of the working group were given the opportunity to identify their data requirements, define the needs of others and determine the specific questions that the forms should contain. The large and medium scale farms questionnaires/forms include:

- Forms 94/1A, 94/1B, 94/2A and 94/2B which deals with land area, production and practices for Meher and Belg seasons and
- Forms 94/5 which deals with farm tools, equipments and machineries.

2.4.2 Quality control in data collection

Basically there are two quality-controlling methods used to keep up the standard quality and reliability of data collected from agricultural census and/or sample surveys. The first and more effective method in terms of cost is the provision of quality training of enumerators aided by mock interviews and field exercise. Such type of training will equip enumerators with possible techniques and methods of quality control that help to collect reliable and standardized data from primary sources.

The second method of quality control is said to be effective but costly. This method involves field supervision by trained personnel to check the reliability and quality of data being collected by enumerators during the field data collection activity. Such supervision can be held during and

after the completion of field data collection activity by just checking the consistency of data in the field in questionnaires and making re-interview and re-measurement.

Accordingly, the large and medium scale farms agricultural enumeration, which is part of the year 2001/02(1994 E.C.) Ethiopian Agricultural Sample Enumeration, involved both the above mentioned quality control methods during the field data collection operation.

Data quality is also contingent of the cooperation and willingness of the large and medium scale farms' administrators to provide the desired information. In order to seek the cooperation of the respondents, promotional efforts have been made using the electronic and print media. Thus, regarding the census publicity, poems, dramas and other programs were presented on TV, Radio and the press. The CSA prepared, customized and distributed census publicity materials such as brochures, fact sheets,. Posters, capes with census emblem, calendars and other items to relevant institutions and government officials and to the public. Moreover, with respect to the progress of the census operations, CSA gave a number of press releases to foster public support and cooperation. Branch Offices Heads and supervisors worked with local officials and adhoc committees to obtain written and verbal support of the census operations in their speeches and public appearances.

2.5 Concepts and Definitions

Information on all items of agriculture is not useful until the items are distinctly defined and understood. The procedure of stating data items and related terms is a prerequisite for making standards and definitions

for collection and compilation of agricultural data. The intent of using standard concepts and definitions is not only to provide quality data but also to ensure that the right items are enumerated and compiled accurately to reflect the agricultural situation. Standard concepts and definitions used in a census setup provide clear linkages between various tables of the census and previous surveys and maintain consistent enumeration and measurement of variables of interest. To this end, the CSA has put a lot of efforts into communicating concepts and definitions to the census field staff through training and instruction manuals. The concepts and definitions used in the census were made to conform to the FAO standard with a slight adaptation of a few of them to suit the agricultural situation in Ethiopia. The concepts and definitions used in large and medium scale farms agricultural enumeration includes:-

Large and Medium scale farms includes;

- **State Farms:-** refers to government owned/operated farms established during the Derg - era by government policy based on "the public ownership of rural land proclamation No 31/1975" as a result of which a number of commercial farms owned by share companies and private investors were nationalized. The stated objectives of the State Farms includes to:-

- augment domestic food supply,
- produce export and import substitution commodities and
- promote the transformation of agriculture by introducing better farming technology.

However, following the 1983 E.C. government change that took place in the country, the promotion of state farms was discouraged and as a result of which some of them were privatized and holdings of some others were redistributed to private peasant farmers. The remaining few are still

operational. The 2001/02 (1994 E.C) Ethiopia Agricultural Enumeration of large and medium scale farms, therefore, covered only those state farms operating under supervision of the Public Enterprise Supervising Authority on a complete enumeration basis.

. **Commercial Farms**:- refers to certified (legally established) farms owned/operated by private investors, and/or share holders, which are profit oriented large scale farms. These farms relatively use capital intensive, mechanized and market oriented farming system, as well as modern farm management practices and inputs such as irrigation scheme, fertilizers, pesticides . . . etc, to attain high productivity per unit of area.

Although quite a number of commercial farms have been flourished after the change of government in 1983 E.C. the 2001/02 (1994 E.C.) agricultural census of large and medium scale farms covered only those commercial farms fully or partial engaged in crop production and/or livestock and poultry rearing including honey production on complete enumeration basis. Large and medium scale farms engaged in agricultural activities different from those mentioned above i.e. farms engaged in fisheries, forestry, flower production . . . etc. are excluded only for the reason that the method of data collection and estimation procedure to be involved in such type of farms requires special surveys rather than census.

- **Other Farms**:- refers to farms, owned and operated by government and/or non government institutions but mandated to perform other activities different from agricultural production. These farms include prison farms, women and youth

association farms, school farms....etc.

Furthermore, these farms are mainly established as a side business income-generating firm to subsidize the activities of the institutions from the profit of the sale of agricultural produce. These farms are characterized by the traditional and/or relatively mechanized farming system, as well as relatively better use of modern farm management practices, such as use of chemical fertilizer, pesticides, improved seeds.. etc.

- **Agriculture**:- The growing of crops and/or raising of animals for own consumption and/or sale.

- **Crop**:- Includes Cereals, Pulses, Oilseeds, Vegetables, Root Crops, Fruits, Coffee, Enset, Chat, Hops, Sugar cane, Cotton, Tobacco ... etc produced for food, making drinks, stimulation and making fabrics or clothing.
- **Crop Production**:- The processes of growing and harvesting of the above crops for own consumption and/or sale.
- **Temporary Crops/Annual**:- Annual temporary crops are crops which are grown in less than a year's time, sometimes only a few months with an objective to sow or replant again for additional production following the current harvest. Continuously grown crops planted in rotation are also considered as temporary crops since each is harvested and destroyed by ploughing in preparation for each successive crop.
- **Permanent Crops**:- crops which are grown and occupy land for a long period of time, not requiring replanting for several years after each harvest, are considered as permanent crops. All fruit trees (i.e. Oranges, Mandarin, Banana, ...etc) and trees for beverages (i.e. Coffee, Tea,

Gesho,...etc.) are considered permanent crops but meadows and pastures are excluded.

- **Meher (main) Season Crop:-** any crop harvested between Meskerem (September) and Yeaktit(February) is considered as Meher season crop.
- **Belg Season Crop:-** Any crop harvested during the months of March (Megabit) and August (Nehase) is considered to be Belg season crop.
- **Irrigated Area:-** Refers to the area of land purposely and actually provided with water, other than by rain, for improving the production of crops. The uncontrolled flooding of land by the over flow of rivers or streams is not categorized as irrigation practice although sometimes farmers use this incidence for production.
- **Improved Seed:-** Is defined as crop variety which gives significantly higher yield, better quality and/0r better benefit compared to traditional varieties of seeds and usually produced by the Ethiopian Seed Enterprise (ESE) in Ethiopia.
- **Fertilizer:-** Refers to anything added to the soil intended to increase the amount of plant nutrients available for crop growth. Usually, fertilizers are divided into two parts, natural and commercial. Examples of natural fertilizers are farmyard manure, wood ashes, ... etc, while commercial fertilizers are DAP (Di- Ammonium phosphate), UREA (Ammonium Nitrate), ... etc.
- **Pesticides:-** Pesticides are chemicals useful for mitigation, control or elimination of pests which are troublesome or harmful to crops. Insecticides, herbicides and fungicides are all considered as pesticides.
- **Single axle tractor- a** two wheel tractor steered by a walking operator and used for light cultivation
- **Rotary tiller/plough-** on implement, which has cutting knives or tines, mounted on a horizontal or vertical power driven phoft. The

revolomy hives loosen the soul or destroy weeds.

- **Rotary harrow**- it is round driver cultivating implement usually consisting of two curved spike like too the gongs rotating on axles, the points of which digw to the ground, destroying young suede and berating the soil crust
- **Disk harrow**- it is an implement consists of two opposed gangs of disk blades, set optionally at various horizontal angles with the direction of travel, throwing soil out word from the center of tilled strip.
- **Sprayer**- is an equipment used to apply pesticides in liquid form by forcing the liquid from the tank urrongh a noxlels under pressure.
- **Mower** – it is an implement used to cut grass crops.
- **Combine harvester** – is a tractor operated or self propelled machine used to harvest cereals, by cutting or gathering crops from a arundrow, to eshshos it, popartes seed and chof from straw and clean seed.

3. Data processing

3.1 Editing, Coding and Verification

In the 2001/2002 Ethiopian Enumeration of large and medium scale Farms, the filled-in forms retrieved from the Branch Statistical Offices were primarily received and systematically registered at the documentation unit of the CSA head quarters in Addis Ababa. Before launching the actual editing and coding activities, the Natural Resources and Agricultural Statistics Department staff gave adequate training to 10 editors and coders who later on carried out the manual editing, coding and verification of the filled-in large and medium scale farms

questionnaires.

The manual editing and coding activities of the filled-in forms on large and medium scale farms were done region by region. To ensure the quality of the manual editing and coding work, verification of the completed questionnaires was carried out on 100% basis.

For the Total Country, the editing, coding and verification of the filled-in forms for the commercial farms took 10 editors about 35 working days.

3.2 Data Entry, Cleaning and Tabulation

About 20 data encoders were assigned to undertake the data entry activity of the 2001/02 filled-in and edited questionnaires of the large and medium scale farms. Before starting the actual data entry operation, data encoders were trained for about 2 days using computer programs developed by the Data Processing Department staff. The Programmers prepared the data entry programs using CENTRY, which is a data entry module of IMPS (Integrated Microcomputer Processing System).

The data entry exercise was carried out using 20 personal computers (PC's), and it was done region by region as in the case of the manual editing, coding and verification.

In order to check the quality of the entered data, verification exercises were carried out. To this end verification activity, on 100% basis, was carried out through the process of re-entering the data.

For the Total Country, the whole data entry process of the filled-in forms on large and medium scale farms took 20 entry clerks around 30 working days.

Data entered into the computer needs to be checked for completeness, consistency and validity. For this purpose, computer edit programs were prepared using CONCOR subsystem, which is the editing module of IMPS. Using printouts from these programs and referring to the original filled-in forms, corrections were made by trained manual data cleaning technicians. Moreover, other data-cleaning computer operators were involved in making the actual corrections of the data on the computer.

Additionally, an intermediate set of instructions or programs were made available and applied on the data to prepare information suitable for tabulation. These programs were prepared using CSPro and IMPS software's. Like IMPS Software, CSPro is used as a tool for entering, editing and tabulating data.

Data made ready for tabulation through the process of cleaning and intermediate programs was finally used to generate the required tables. This was done using tabulation programs developed by the senior programmers of the Data Processing Department. The CENTS software, a tabulation component of IMPS, was used in producing the 2001/02 large and medium scale farms results.

Chapter III. Summary of Census results

1. Crop Land area and production

1.1. Introduction

Market oriented large-scale crop production through the establishment of large and medium scale farms is introduced recently to Ethiopian agricultural system. It was thirty years ago food crops with relatively considerable production volume obtained from state, commercial and institutional farms were distributed to users both at local market and abroad. However since then the development and wide spread of large and medium scale farms was limited due to policy changes and other reasons. It was not known about the overall performance of the exiting large and medium scale farms. It is only from the result of the year 2001/02 (1994E.C.) large and medium scale farms census quantitative information on the overall performance of these farms were made available to ultimate users.

In this chapter of the report, therefore, the census data on crop area and production of temporary crops for both season's Meher and Belg for crops such as cereals, pulses, oil seeds, vegetables and root crops are presented in Section 1 and production of permanent crops (for meher season only) that included fruit crops, stimulants and other permanent crops are dealt within section 2.

1.2 Cropland Area and Production of Temporary/ Annual Crops

The types of temporary crops on which data were collected during the large and medium scale farms agricultural census are those crops that are the staple diets in the country and those crops used as raw materials for domestic agro-industry as well as crops produced for export. Based on

their biological characteristics these crops have been categorized into five groups, these are cereals, pulses, oilseeds, vegetables and root crops.

Grain Crops

Grain crops refer to the major crop categories that included cereals, pulses and oilseeds, which constituted the major food crops for the majority of the country's population. Besides being stable food crops, the production of grain crops in Ethiopia serves as a source of foreign currency earning, which helps as a whole for promoting sustainable economic growth in the country.

In Ethiopia, the production of grain crops is the most widely spread crop production activity both in terms of the extent of grain crops covered area and volume of production when compared with vegetable, root and permanent crops altogether.

According to the results of the year 2001/02 (1994E.C) large and medium scale farms agricultural census, the total grain crops covered area was found to be 229,758.97 hectares, which accounted for about 63% of the total crop land area reported at country level for large and medium scale farms, from which a total of 2,064,670.26 quintals (77% of the total volume of crop production) of production was obtained during 2001/02 both Meher and Belg seasons harvest.

Moreover, out of the above mentioned both total grain crop covered area and volume of production obtained; grain crops grown in state farms covered a total of 31,359.25 hectares of land (13.65% of the total grain crops covered area). Of which a total of 715,444.17 quintals (34.65%)

Summary Table 1 Total Cropland Area and Production of Major Temporary Crops For Large and Medium Scale Farms By Crop and Farm Types, 2001/02(1994 E.C.) Both Seasons.

Crop Type	All Farms				Type of Farms											
					State				Commercial				Other(inst)			
	Area in ha.	%	Prod. In Qts	%	Area in ha.	%	Prod. In Qts	%	Area in ha.	%	Prod. In Qts	%	Area in ha.	%	Prod. In Qts	%
Grain Crops	229,758.97	100	2,064,670.26	100	31,359.25	100	715,444.17	100	153,606.10	100	990,051.99	100	44,793.55	100	359,172.60	100
Percent	100.00		100		13.65		34.65		66.86		47.95		19.50		17.40	
Cereals	178,861.30	77.85	1,788,177.37	86.61	29,068.13	92.69	695,170.80	97.17	110,734.86	72.09	758,031.17	76.56	39,058.31	87.20	334,976.38	93.26
Percent	100.00		100.00		16.25		38.88		61.91		42.39		21.84		18.73	
Pulses	10,440.75	4.54	70,029.45	3.39	1,104.69	3.52	10,019.37	1.40	5,380.48	3.50	45,270.01	4.57	3,955.58	8.83	14,739.09	4.10
Percent	100.00		100.00		10.58		14.31		51.53		64.64		37.89		21.05	
OilSeeds	40,456.92	17.61	206,463.44	10.00	1,186.43	3.78	10,254.00	1.43	37,490.76	24.41	186,750.81	18.86	1,779.66	3.97	9,457.13	2.63
Percent	100.00		100.00		2.93		4.97		92.67		90.45		4.40		4.58	
Vegetables	22,033.66		158,603.80		576.68		104,133.89		21,031.83		31,305.75		425.05		23,147.99	
Percent	100.00		100.00		2.62		65.66		95.45		19.74		1.93		14.59	
Root Crops	32,381.68		70,795.86		277.85		21,653.33		31,583.83		24,674.93		519.86		24,427.85	
Percent	100.00		100.00		0.86		30.59		97.54		34.85		1.61		34.50	
Cotton	28851.52		322332.12		14333.97		167799.72		14517.55		154532.4		-		-	
Percent	100		100		49.68		52.06		50.32		47.94		-		-	

was produced. For the details see Summary Table.1 and fig .1.

Consequently, grain crops covered area and volume of grain crops production obtained in private commercial and other farms were found to be 153,606.10 hectares (66.86%) and 44,793.55 hectares (19.50%) with about 990,051.99 quintals (47.95%) and 359,172.60 quintals (17.40%) of the total volume of grain crop production reported at country level, respectively,

With regard to regional total grain crops covered area, and volume of production, Tigray, Oromiya, Amhara, and Benshangul-Gumuz regions reported the highest grain crops covered area totaled at 113,321.82, 86,153.71, 20,554.09 and 5,629.94 hectares, that accounted for about 49.32%, 37.50%, 8.95% and 2.45% of the country level total grain crops covered area respectively. With respect to volume of production a total of 364,927.08, 1,389,622.83, 125,552.07 and 133,648.54 quintals of grain crops were obtained from the 2001/02 both Meher and Belg season harvest, respectively.

On the other hand, Somali and Gambela regions reported relatively smaller grain crops covered area and volume of production (for details see Summary Table 3).

Cereals

Like that of private rural–urban agricultural holdings cereals are produced in greater volume compared to the other crops in large and medium scale farms because they are the principal staple crops and export

commodities. Out of the total land area under grain crops and volume of production obtained from large and medium scale farms in 2001/02 (1994 E.C) both season harvest, cereals contributed the lion share both in crop area and volume of production, i.e. a total of 178,861.30 hectares (77.85%) and 1,788,177.37 quintals (86.61%), respectively.

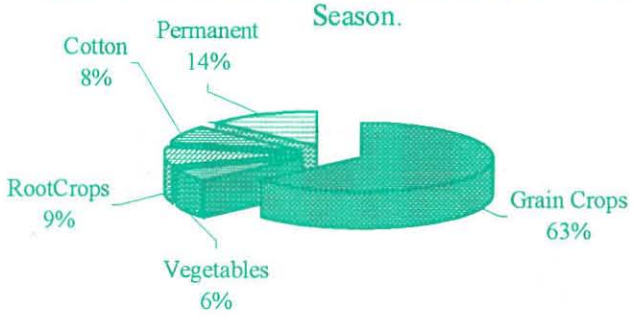
Cereals are grown in almost all types of large and medium scale farms that are found in the country with notable variation in the extent of areas planted and the volume of production obtained. This variation is seemingly caused by a shift in choice of crops and difference in Weather conditions. As indicated in the Summary Table 1 out, of the total crop and volume of cereal production mentioned, private commercial farms have contributed the highest share both in cereal covered land area and volume of production i.e. 110,734.86 hectares (61.91%) and 758,031.17 quintals (42.39%). Of the total grain production maize, wheat and sorghum were the dominant cereal crops both in crop area and volume of production. The second highest contributor both in area under cereals and volume of production are other farms with 39,058.31 hectares (21.84%) and 334,976.38 quintals (18.73%). State farms contribute the remaining 16.25 % and 38.88% of the total area and production of cereals, respectively.

Consequently, for the same reasons mentioned above, the extent crop land area and volume of cereals production in large and medium scale farms show variation from region to region. The variation in area covered by cereals ranges from 80,018.17 hectares in Tigray region to 26.25 hectares in Gambela region, with the volume of production ranging from 1,323,617.63 quintals in Oromiya region to 190.56 quintals in Addis

Summary Table 2 Total Cropland Area and Production of Major Permanent Crops For Large and Medium scale Farms By Crop and Farm Types, 2001/02(1994 E.C.) Both Season

Crop Type	All Farms				Type of Farms											
					State				Commercial				Other (instutional)			
	Area in ha.	%	Prod. In Qts	%	Area in ha.	%	Prod. In Qts	%	Area in ha.	%	Prod. In Qts	%	Area in ha.	%	Prod. In Qts	%
Permanent Crops	49888.02	100.00	682771.3	100.00	25050.69	100.00	210934.92	100.00	16066.92	100.00	361309.78		8769.75	100.00	102619.48	100.00
Percent	100.00		100		50.21		30.89		32.21		52.92		17.58		15.03	
Fruits	3396.66	6.81	210333.93	30.81	1421.08	5.67	168481.7	79.87	1595.73	9.93	6032.95	1.67	379.85	4.33	35819.28	34.90
Percent	100.00		100.00		41.84		80.10		46.98		2.87		11.18		17.03	
Stimulant Crops	26957.33	54.04	207934.27	30.45	7731.61	30.86	42453.22	20.13	10963.19	68.23	109507.9	30.31	8262.06	94.21	48067.45	46.84
Percent	100.00		100		28.68		20.42		40.67		52.66		30.65		23.12	
Other Permanent Crops	19534.03	39.16	264503.1	38.74	15898	63.46	0	0.00	3508	21.83	245768.95	68.02	127.84	1.46	18732.75	18.25
Percent	100.00		100		81.39		0.00		17.96		92.92		0.65		7.08	

Fig 1 Total Area Under Crops By Major Crop Categories For Large and Medium Scale farms, 2001/02(1994 E.C.) Both Season.



Pulses

Pulses are leguminous crops which are reach in proteins and vitamins and other nutrients. Due to these fact pulses are essential part of the dietary requirement for most Ethiopians. They also form a significant commodity group of export that brings a considerable amount of foreign exchange for the country. As indicated in Summary Table 1, pulses covered 10,440.75 hectares (only 4.54% of the total grain crop area) with a total of 70,029.45 quintals (3.39% of the total production) for both season harvests.

Out of the above mentioned total area and production, commercial farms contributed the highest share both in pulse covered area and production that is covering 5,380.48 hectares (51.53%) and 45,270.01 quintals (64.64% of the total), respectively. The second and third are other and state farms with 37.89 % and 10.58 % contribution in country level

Summary Table 3 Total Cropland Area and Production of Major Temporary Crops For Large and Medium Scale Farms By Crop and Farm Types, 2001/02(1994 E.C.) Both Seasons

Region		Grain Crops				Cereals				pulses				Oil seeds			
		Area in ha.	%	Prod. In Qts	%	Area in ha.	%	Prod. In Qts	%	Area in ha.	%	Prod. In Qts	%	Area in ha.	%	Prod. In Qts	%
Country Level		229,758.97	100	2,064,670.26	100	178,861.30	100	1,788,177.37	100	10,440.75	100	70,029.45	100	40,456.92	100	206,463.44	100
	Percent	100		100		77.85		86.61		4.54		3.39		17.61		10.00	
Tigray		113,321.82	49.32	364,927.08	17.67	80,018.17	44.74	218,217.08	12.20	41.4	0.40	192	0.27	33,262.25	82.22	146,518.00	70.97
	Percent	100		100		70.61		59.80		0.04		0.05		29.35		40.15	
Afar		426	0.19	12,240.00	0.59	424	0.24	12,210.00	0.68	-	-	-	-	2	0.00	30	0.01
	Percent	100		100		99.53		99.75		-		-		0.47		0.25	
Amhara		20,554.09	8.95	125,552.07	6.08	14,130.84	7.90	77,612.75	4.34	4,967.20	47.58	21,991.23	31.40	1,456.05	3.60	25,948.09	12.57
	Percent	100		100		68.75		61.82		24.17		17.52		7.08		20.67	
Oromia		86,153.71	37.50	1,389,622.83	67.30	77,793.44	43.49	1,323,617.63	74.02	4,045.19	38.74	36,964.56	52.78	4,315.08	10.67	29,040.64	14.07
	Percent	100		100		90.30		95.25		4.70		2.66		5.01		2.09	
Somali		244.4	0.11	3,208.88	0.16	230.15	0.13	3,165.88	0.18	10.25	0.10	40	0.06	4	0.01	3	0.00
	Percent	100		100		94.17		98.66		4.19		1.25		1.64		0.09	
SNNP		3,359.76	1.46	34,651.20	1.68	1,229.44	0.69	22,044.00	1.23	925.18	8.86	8,018.96	11.45	1,205.14	2.98	4,588.24	2.22
	Percent	100		100		36.59		63.62		27.54		23.14		35.87		13.24	
Benshangul-Gumuz		5,629.94	2.45	133,648.54	6.47	4,986.01	2.79	130,552.47	7.30	436.53	4.18	2,770.70	3.96	207.4	0.51	325.37	0.16
	Percent	100		100		88.56		97.68		7.75		2.07		3.68		0.24	
Gambella		31.25	0.01	577.1	0.03	26.25	0.01	567	0.03	-		-		5	0.01	10.1	0.00
	Percent	100		100		84.00		98.25						16.00		1.75	
Addis Ababa		38	0.02	242.56	0.01	23	0.01	190.56	0.01	15	0.14	52	0.07	-	-	-	-
	Percent	100		100		60.53		78.56		39.47		21.44		-		-	

total pulses covered area and with 21.05 % and 14.35 % contribution to the total volume of pulses production at country level, in that order.

Oilseeds

These crops are rich in carbohydrates with varying amount of other nutrients. Oilseeds are also of paramount importance as a source of edible oil and are industrial crops. Moreover, oilseeds are one of the major export commodities that generate foreign currency earning to the country.

As it is presented in Summary Table 1, in the 2001/02(1994 E.C.) both season harvest oilseeds covered 40,456.92 hectares of land (17.61 % of the total grain covered area), with a total of 206,463.80 quintals (10% of the total grain crop production). Moreover, out of the above-mentioned totals, private commercial farms contributed the highest share both in oilseeds covered area and production of oilseeds i.e. 37,490.76 hectares (92.67%) and 186,750.81 quintals (90.45%of the total), respectively. With respect to size of area under these crops and volume of production other farms and state farms rank second and third, respectively, i.e. 4.4%and 2.98%of area and 4.58% and 4.97%of production, in that order.

Vegetables

Vegetables are crops that are rich in vitamins necessary for the healthy growth of humans. Moreover the country earns considerable amount of foreign currency from export of vegetables.

As indicated in Summary Table-1, vegetables covered a total of

22,033.66 hectares of land (7.04%)from which a total volume of 158,603.80 quintals (6.06 % of the total) was obtained in both seasons harvest.

Vegetables grown in State or government operated farms, accounted for 2.62% of the total vegetables covered area at country level and 65.66% of the production. As shown in Table I.1, Swiss Chard, red peppers and tomatoes, covered 47.71%, 2.51% and 1.23% of the vegetables crop area and 4.86%, 8.78% and 57.47% of the production in state farms, respectively.

Moreover, vegetables in private Commercial farms covered 95.45% of the area under vegetable crops at country level and 19.74 of the volume of production, while in other farms, vegetables covered 1.93% of the country level total vegetables covered area and 14.59% of the production. For details see Summary Table 1.

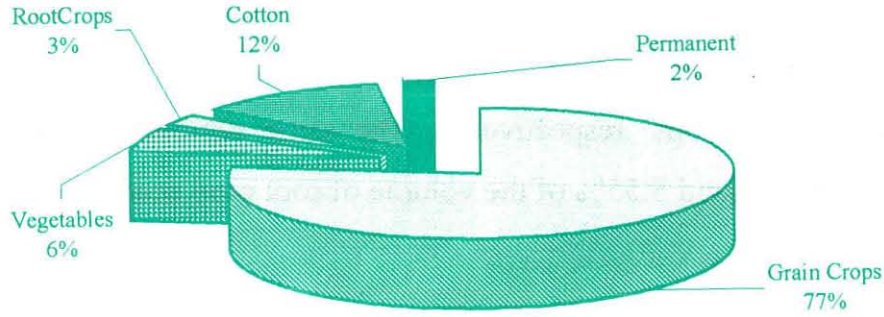
Similarly, a look at the regional tables indicates that similar picture is demonstrated as that of the country level. Of course, one can easily observe variations in cultivated area and quantity of production obtained across regions.

For instance, Tigray, Oromiya, Amhara, and SNNP regions contributed the highest share that accounted for 91.47%, 5.05 %, 1.71% and 1.07% to the total vegetable covered area with 2.00%, 82.09%, 3.88 %and 8.68 % contribution to the total volume of vegetable production reported at country level in that order. For details see Summary Table 4 and figure 1.

Summary Table 4 Total Cropland area and Production of Major Temporary Crops For Large and Medium Scale Farms By Crop and Farm Types, 2001/02(1994 E.C.) Both Season

Regions	Vegetables				Root Crops				Cotton			
	Area in ha.	%	Prod. In Qts	%	Area in ha.	%	Prod. In Qts	%	Area in ha.	%	Prod. In Qts	%
Country Level	22,033.66	100	158,603.80	100	32,381.68	100	70,795.86	100	28851.52	100	322332.12	100
Tigray	20,153.82	91.47	3,168.13	2.00	31,293.70	96.64	656	0.93	8665	30.03	69610	21.60
Afar	3	0.01	304.45	0.19	2	0.01	269.63	0.38	16402.95	56.85	196177.55	60.86
Amhara	377.47	1.71	6,147.95	3.88	132.52	0.41	6,053.06	8.55	1111	3.85	5694	1.77
Oromia	1,112.45	5.05	130,192.42	82.09	604.66	1.87	53,973.17	76.24	368.28	1.28	11202.86	3.48
Somali	29.7	0.13	318.25	0.20	22.65	0.07	782.5	1.11	-	-	-	-
SNNP	236.73	1.07	13,766.44	8.68	285.32	0.88	6,227.77	8.80	1574.29	5.46	30161.71	9.36
Benshangul-Gumuz	53.78	0.24	409.37	0.26	3.04	0.01	306	0.43	230	0.80	1200	0.37
Gambella	0.5	0.00	-	-	0.02	0.00	5	0.01	500	1.73	8286	2.57
Addis Ababa	66.21	0.30	4,296.79	2.71	37.77	0.12	2,522.73	3.56	-	-	-	-

Fig.2 Total Production of Crops by Major Crop Categories, For Large and Medium Scale Farms, 2001/02(1994 E.C.), Both Seasons.



Root Crops

Like that of grain crops, the contribution of root crops such as potatoes and sweet potatoes...etc. for human consumption as food crops cannot be over emphasized. The majority of the population in Southern Ethiopia solely depends on root crops in its daily food consumption. In addition to serving as food crop and staple food at the time of drought, root crops yields industrial and pharmaceutical products. Moreover, root crops are also a good source of cash and foreign exchange.

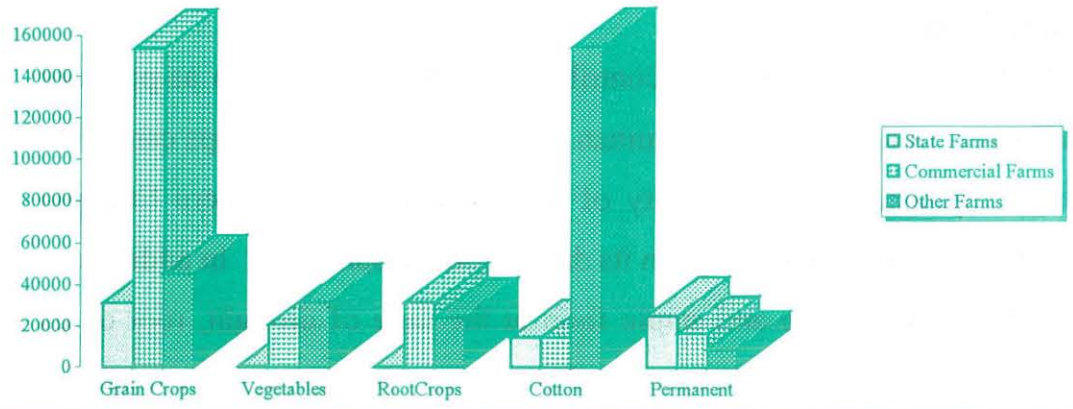
As the census result indicates, the total area under root crops was found to be 3,2381.68 hectares (9% of the total) and a total production of 70,795.86 quintals(3 % of the total). See Summary Table 4 .

Furthermore, as indicated in the same Table, root crops grown in state farms covered small area i.e 0.86 % and yielded 30.59 % of the volume of root crop production of large and medium scale farms. In private Commercial farms, 97.54% of the total root crops covered area reported at country level and 19.74% of the production went for the same crops,

The remaining 1.93% of the area under root crops and 14.59% of the total production contributed by other farms.

With regard to regional census results, Tigray, Oromiya, SNNP and Amahra regions constituted 96.64%, 1.87%, 0.88 % and 0.41% of the total area under root crops, respectively. The same regions formed 0.93%, 76.24%, 8.80%and 8.55% of the volume of root crop production, in that order.

Fig .3 Total area Under major crops For large and Medium Scale Farms,2001/02(1994 E.C.)



Cropland Area and Production of Permanent Crops

Permanent crops are long-term crops, which do not have to be replanted for several years after each harvest. These include tree crops such as coffee, Enset, Chat, oranges, mangoes, bananas, papayas, avocados...etc. The trees that yield oranges; mangoes, papayas, apples and other are known as fruit trees. Permanent crops are a good source of cash both for the farmers and the country for generating income and foreign exchange.

According to the census result permanent crops covered a total of 49,888.02 hectares (14% of the total cropland area reported at country

level) with a total production of 682,771.30 quintals (2% of the total production) obtained from large and medium scale farms during the year 2001/02 Meher season harvest.

For simplicity of description of the statistical tables and comparison purposes permanent crops have been grouped into three categories. The categories are fruit crops, stimulant crops and other permanent crops.

Fruit Crops

Fruit production is relatively new to Ethiopian agricultural system, with commercial fruit production dating back to only about six decades. Therefore, most of the important fruits that are produced in gardens and commercial farms are recent introductions into the country. However, various kinds of fruit crops grow in different regions of the country yielding varying quantities of fruits within large and medium scale farms.

As Summary Table 2 shows more than forty nine thousand hectares of land is under permanent crops in Large and medium scale farms. Fruit crops constituted less than a tenth of the permanent crop area yielding, with about 210,333.93 quintals of production. Bananas, oranges and mangoes shared 23.94%, 17.48.60% and 7.59% of the fruit crop area and 23.52%, 51.39% and 11.98% of the fruit production, in that order.(See Table 5)

Moreover, as indicated in Summary Table 2, fruit crops grown in state, private commercial and other farms constituted for about 41.84%, 46.98 % and 11.18% to the total fruit covered area reported at country level,

respectively. Out of the total Fruit crops production, state private Commercial and other farms took up, 80.10%, 2.87% and 17.03% , in the same order.

Stimulant Crops

Stimulant crops included cash crops like coffee and Chat, which are extensively grown in many parts of the country. The data in Summary Table 5 demonstrates that, significant size of large and medium scale farms permanent crop area is under stimulant crops i.e. 54.04% (about 26957.33 hectares of land). Of the total area under stimulant crops in these farms, 28.68% is the share of state farms resulting in 20.42% of the volume of stimulant crop production. From the country level crop area 40.67% and 30.65% of the country level stimulant crop area were the share of private commercial and other farms resulting in 52.66% and 23.12% of the volume of production, respectively.

Other Permanent Crops

This group includes Enset and sugar cane where Enset is a principal staple crop extensively grown in southern and western Ethiopia but not widely grown in large and medium scale farm. Sugar cane is an industrial crop and grown widely in large and medium scale farms.

The data in Summary Table 5 indicate that only 39.16 % of the total permanent crop area was under other permanent crop, resulting in 38.74 % of the total permanent crop production. Moreover the share of state, private commercial and other farms were 81.39 % , 17.96% and 0.65% from the total other permanent crops covered areas, respectively.

Summary Table 5 Total Cropland Area and Production of Major Permanent Crops For Large and Medium Scale Farms By Crop and Farm Types, 2001/02(1994 E.C.) Both Season

Regions	Permanent Crops				Fruits				Stimulants				Other Permanent Crops			
	Area in ha.	%	Prod. In Qts	%	Area in ha.	%	Prod. In Qts	%	Area in ha.	%	Prod. In Qts	%	Area in ha.	%	Prod. In Qts	%
Country Level	49888.02	100	682771.3	100	3396.66	100	210333.93	100	26957.33	100	207934.27	100	19534.03	100	264503.1	100
Percent	100		100.00		6.81		30.81		54.04		30.45		39.16		38.74	
Tigray	18619.13	37.32	1081.06	0.16	1286.75	37.88	1066.07	0.51	2.02	0.01	14.99	0.01	-	-	-	-
Percent	100		100		6.91		98.61		0.01		1.39		-		-	
Afar	505.05	1.01	33485.93	4.90	504.05	14.84	33485.93	15.92	1	0.00	0	0.00	-	-	-	-
Percent	100		100		99.80		100		0.20		0		-		-	
Amhara	137.38	0.28	4759.69	0.70	81.13	2.39	1714.51	0.82	17.93	0.07	102.93	0.05	38.32	0.20	2942.25	1.11
Percent			100		59.06				13.05				27.89			
Oromia	29695.32	59.52	386827.39	56.66	813.88	23.96	134829.86	64.10	10315.35	38.27	87737.62	42.19	17829.53	91.27	164259.91	62.10
Percent	100		100		2.74		34.86		34.74		22.68		60.04		42.46	
Somali	152.94	0.31	625.5	0.09	134.09	3.95	441.5	0.21	17.85	0.07	174	0.08	1	0.01	10	0.00
Percent	100		100		87.67		70.58		11.67		27.82		0.65		1.60	
SNNP	18650.52	37.38	205301.58	30.07	539.15	15.87	37529.45	17.84	16448.4	61.02	70503.09	33.91	1662.97	8.51	97269.04	36.77
Percent	100		100		2.89		18.28		88.19		34.34		8.92		47.38	
Benshangul-Gumuz	279.77	0.56	1330.82	0.19	37.61	1.11	1266.61	0.60	11.15	0.04	63.21	0.03	1.01	0.01	1	0.00
Percent	100		100		13.44		95.18		3.99		4.75		0.36		0.08	
Gambella	143.63	0.29	,4867	0.71	-	-	-	-	143.63	0.53	4867	2.34	-	-	-	-
Percent	100		100		-		-		100		100		-		-	
Addis Ababa	1.02	0.00	20.5	0.00	-	-	-	-	-	-	-	-	1.02	0.01	20.5	0.01
Percent	100		100		-		-		-		-		100		100	

Fig 4 Total Volume of crop Production by Major crop categories for lageLarge and MEDIUM sCALE fARMS, 2001/02(1994 E.C.),Both Seasons

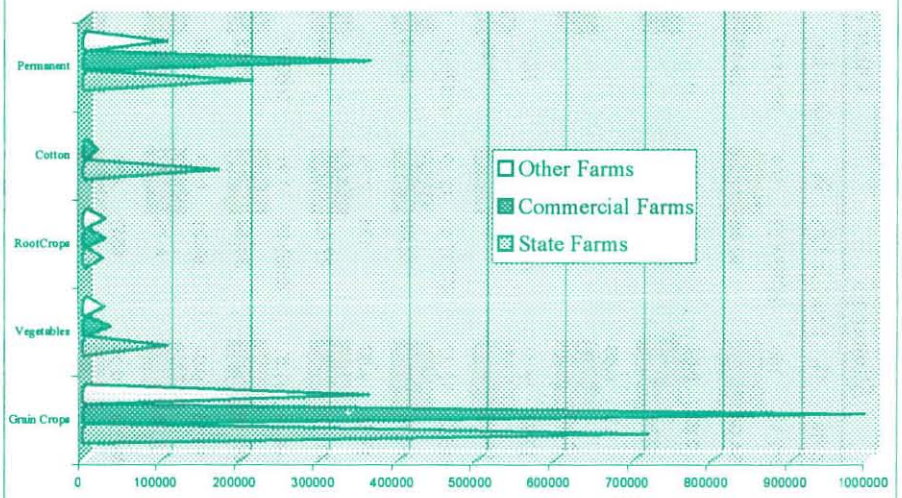


TABLE 1.1.1: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... All farms

Ethiopia

Crop	Area		Production		Yield
	Hectares	IN %	Quintals	%	QT/HA
TOTAL	313,025.83		2,616,402.04		
Grain Crops	229,758.97	100	2,064,670.26	100	
Cereals.....	178,861.30	77.85	1,788,177.37	86.61	
Teff.....	1,714.57	0.75	10,516.60	0.51	6.13
Barley.....	962.67	0.42	15,267.62	0.74	15.86
Wheat.....	59,578.66	25.93	873,369.86	42.3	14.66
Maize.....	72,059.45	31.36	626,939.95	30.37	8.7
Sorghum.....	44,234.95	19.25	256,999.62	12.45	5.81
Finger millet..	65.55	0.03	516.07	0.02	7.87
Oats/'Aja'.....	2.2	-	19.5	-	8.86
Rice.....	243.25	0.11	4,548.15	0.22	18.7
Pulses.....	10,440.75	4.54	70,029.45	3.39	
Horse beans....	3,583.32	1.56	10,438.08	0.51	2.91
Field peas.....	219.87	0.1	2,365.30	0.11	10.76
Haricot beans..	1,170.35	0.51	11,753.99	0.57	10.04
Chick-peas.....	396.43	0.17	1,833.32	0.09	4.62
Lentils.....	51.07	0.02	231.89	0.01	4.54
Vetch.....	52.41	0.02	349.04	0.02	6.66
Soya beans.....	4,922.38	2.14	42,881.47	2.08	8.71
Fenugreek.....	44.92	0.02	176.36	0.01	3.93
Gibto.....	-	-	-	-	-
Oilseeds.....	40,456.92	17.61	206,463.44	10	
Neug.....	1,682.96	0.73	3,119.71	0.15	1.85
Linseed.....	67.93	0.03	376.93	0.02	5.55
Groundnuts...	52.04	0.02	356.8	0.02	6.86
Sufflower.....	7.09	-	2.6	-	0.37
Sesame.....	36,463.26	15.87	177,476.68	8.6	4.87
Rapeseed.....	2,183.64	0.95	25,130.72	1.22	11.51
Vegetables.....	22,033.66	100	158,603.80	100	
Lettuce.....	117.44	0.53	2,699.59	1.7	22.99
Head Cabbage...	10,096.72	45.82	7,791.26	4.91	0.77
Ethiopian Cabbage.....	35.83	0.16	885.27	0.56	24.71
Tomatoes.....	1,024.43	4.65	139,317.74	87.84	136
Green peppers..	160.54	0.73	2,806.95	1.77	17.48
Red peppers....	555.41	2.52	3,033.30	1.91	5.46
Swiss chard....	10,043.29	45.58	2,069.69	1.3	0.21
Root Crops.....	32,381.68	100	70,795.86	100	
Beetroot.....	35.36	0.11	1,102.48	1.56	31.18
Carrot.....	75.4	0.23	2,390.00	3.38	31.7
Onion.....	768.04	2.37	59,087.38	83.46	76.93
Potatoes.....	30,108.21	92.98	7,503.46	10.6	0.25
Garlic.....	179.39	0.55	217.09	0.31	1.21
Taro/'Godere'	1.2	-	45.25	0.06	37.71
Sweet potatoes.	1,214.08	3.75	450.2	0.64	0.37
Cotton	28851.52	59.63	322332.12	54.93	11.17

TABLE 1.1.2: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... All farms

Tigray

Crop	Area		Production		Yield
	Hectares	IN %	Quintals	%	QT/HA
TOTAL	173,434.34		438,361.21		
Grain Crops	113,321.82	100	364,927.08	100	
Cereals.....	80,018.17	70.61	218,217.08	59.8	
Teff.....	167.2	0.15	619	0.17	3.7
Barley.....	25.25	0.02	264.5	0.07	10.48
Wheat.....	10,012.00	8.84	175	0.05	0.02
Maize.....	40,047.22	35.34	348.79	0.1	0.01
Sorghum.....	29,766.50	26.27	216,809.79	59.41	7.28
Finger millet..	-	-	-	-	-
Oats/'Aja'.....	-	-	-	-	-
Rice.....	-	-	-	-	-
Pulses.....	41.4	0.04	192	0.05	
Horse beans....	1	-	43	0.01	43
Field peas.....	2.75	-	6	-	2.18
Haricot beans..	1	-	-	-	-
Chick-peas.....	29	0.03	120	0.03	4.14
Lentils.....	-	-	-	-	-
Vetch.....	2.15	-	23	0.01	10.7
Soya beans.....	-	-	-	-	-
Fenugreek.....	5.5	-	-	-	-
Gibto.....	-	-	-	-	-
Oilseeds.....	33,262.25	29.35	146,518.00	40.15	
Neug.....	-	-	-	-	-
Linseed.....	-	-	-	-	-
Groundnuts...	-	-	-	-	-
Sufflower.....	-	-	-	-	-
Sesame.....	33,262.25	29.35	146,518.00	40.15	4.4
Rapeseed.....	-	-	-	-	-
Vegetables.....	20,153.82	100	3,168.13	100	
Lettuce.....	84.67	0.42	952.13	30.05	11.25
Head Cabbage...	10,020.78	49.72	714.22	22.54	0.07
Ethiopian Cabbage.....	0.75		90	2.84	120
Tomatoes.....	8.98	0.04	627.02	19.79	69.82
Green peppers..	13.47	0.07	25.05	0.79	1.86
Red peppers....	1.7	0.01	24.5	0.77	14.41
Swiss chard....	10,023.47	49.73	735.21	23.21	0.07
Root Crops.....	31,293.70	100	656	100	
Beetroot.....	0.45	-	43	6.55	95.56
Carrot.....	20.85	0.07	17	2.59	0.82
Onion.....	71.01	0.23	486.5	74.16	6.85
Potatoes.....	30,000.59	95.87	79	12.04	-
Garlic.....	0.56	-	15.5	2.36	27.68
Taro/'Godere'	-	-	-	-	-
Sweet potatoes.	1,200.24	3.84	15	2.29	0.01
Cotton	8665	100	69610	100	8.03

TABLE 1.1.3: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... All farms

Afar

Crop	Area		Production		Yield
	Hectares	IN %	Quintals	%	QT/HA
TOTAL	16833.95		208,991.63		
Grain Crops	426	100	12,240.00	100	
Cereals.....	424	99.53	12,210.00	99.75	
Teff.....	-	-	-	-	-
Barley.....	-	-	-	-	-
Wheat.....	-	-	-	-	-
Maize.....	38	8.92	720	5.88	18.95
Sorghum.....	386	90.61	11,490.00	93.87	29.77
Finger millet..	-	-	-	-	-
Oats/'Aja'.....	-	-	-	-	-
Rice.....	-	-	-	-	-
Pulses.....	-	-	-		-
Horse beans....	-	-	-	-	-
Field peas.....	-	-	-	-	-
Haricot beans..	-	-	-	-	-
Chick-peas.....	-	-	-	-	-
Lentils.....	-	-	-	-	-
Vetch.....	-	-	-	-	-
Soya beans.....	-	-	-	-	-
Fenugreek.....	-	-	-	-	-
Gibto.....	-	-	-	-	-
Oilseeds.....	2	0.47	30	0.25	
Neug.....	-	-	-	-	-
Linseed.....	-	-	-	-	-
Groundnuts...	2	0.47	30	0.25	15
Sufflower.....	-	-	-	-	-
Sesame.....	-	-	-	-	-
Rapeseed.....	-	-	-	-	-
Vegetables.....	3	100	304.45	100	
Lettuce.....	-	-	-	-	-
Head Cabbage...	-	-	-	-	-
Ethiopian Cabbage.....	1	33.33	24.6	8.08	24.6
Tomatoes.....	1.5	50	164.63	54.07	109.75
Green peppers..	0.5	16.67	115.22	37.85	230.44
Red peppers....	-	-	-	-	-
Swiss chard....	-	-	-	-	-
Root Crops.....	2	100	269.63	100	
Beetroot.....	-	-	-	-	-
Carrot.....	-	-	-	-	-
Onion.....	2	100	269.63	100	134.82
Potatoes.....	-	-	-	-	-
Garlic.....	-	-	-	-	-
Taro/'Godere'	-	-	-	-	-
Sweet potatoes.	-	-	-	-	-
Cotton	16402.95	100	196177.55	100	11.96

TABLE 1.1.4: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... All farms

Amhara

Crop	Area		Production		Yield
	Hectares	IN %	Quintals	%	QT/HA
TOTAL	22,175.08		143,447.08		
Grain Crops	20,554.09	100	125,552.07	100	
Cereals.....	14,130.84	68.75	77,612.75	61.82	
Teff.....	644.8	3.14	4,618.46	3.68	7.16
Barley.....	95.59	0.47	711.51	0.57	7.44
Wheat.....	284.91	1.39	2,577.77	2.05	9.05
Maize.....	7,009.93	34.1	51,973.90	41.4	7.41
Sorghum.....	5,836.78	28.4	12,955.38	10.32	2.22
Finger millet..	13.38	0.07	208.08	0.17	15.55
Oats/'Aja'.....	2.2	0.01	19.5	0.02	8.86
Rice.....	243.25	1.18	4,548.15	3.62	18.7
Pulses.....	4,967.20	24.17	21,991.23	17.52	
Horse beans....	2,576.54	12.54	464.49	0.37	0.18
Field peas.....	18.58	0.09	75.18	0.06	4.05
Haricot beans..	15.5	0.08	135.75	0.11	8.76
Chick-peas.....	167.8	0.82	899.17	0.72	5.36
Lentils.....	47.74	0.23	202.24	0.16	4.24
Vetch.....	42.51	0.21	273.54	0.22	6.43
Soya beans.....	2,069.61	10.07	19,790.98	15.76	9.56
Fenugreek.....	28.92	0.14	149.88	0.12	5.18
Gibto.....	-	-	-	-	-
Oilseeds.....	1,456.05	7.08	25,948.09	20.67	
Neug.....	103.57	0.5	302.51	0.24	2.92
Linseed.....	5.06	0.02	15.06	0.01	2.98
Groundnuts...	0.05	-	0.5	-	10
Sufflower.....	0.02	-	0.5	-	25
Sesame.....	1,347.35	6.56	25,629.52	20.41	19.02
Rapeseed.....	-	-	-	-	-
Vegetables.....	377.47	100	6,147.95	100	
Lettuce.....	1.69	0.45	18.52	0.3	10.96
Head Cabbage...	15.45	4.09	492.16	8.01	31.86
Ethiopian Cabbage.....	1.08	0.29	2.95	0.05	2.73
Tomatoes.....	97.97	25.95	4,336.27	70.53	44.26
Green peppers..	5.11	1.35	248.65	4.04	48.66
Red peppers....	252.23	66.82	983.31	15.99	3.9
Swiss chard....	3.94	1.04	66.09	1.07	16.77
Root Crops.....	132.52	100	6,053.06	100	-
Beetroot.....	4.65	3.51	194.54	3.21	41.84
Carrot.....	19.05	14.38	323.17	5.34	16.96
Onion.....	88.69	66.93	5,073.97	83.82	57.21
Potatoes.....	13.66	10.31	355.7	5.88	26.04
Garlic.....	5.58	4.21	80.18	1.32	14.37
Sweet potatoes.	0.89	0.67	25.5	0.42	28.65
Cotton	1111	96.67	5694	65.93	5.13

TABLE 1.1.5: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... All farms

Oromia

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	88,239.10		1,584,991.28		
Grain Crops	86,153.71	100	1,389,622.83	100	
Cereals.....	77,793.44	90.3	1,323,617.63	95.25	
Teff.....	633.1	0.73	3,880.55	0.28	6.13
Barley.....	822.62	0.95	14,163.94	1.02	17.22
Wheat.....	48,518.13	56.32	860,975.76	61.96	17.75
Maize.....	20,426.64	23.71	434,874.36	31.29	21.29
Sorghum.....	7,362.33	8.55	9,487.03	0.68	1.29
Finger millet..	30.62	0.04	235.99	0.02	7.71
Oats/'Aja'.....	-	-	-	-	-
Rice.....	-	-	-	-	-
Pulses.....	4,045.19	4.7	36,964.56	2.66	
Horse beans....	913.38	1.06	9,174.19	0.66	10.04
Field peas.....	181.46	0.21	2,179.36	0.16	12.01
Haricot beans..	957.72	1.11	10,286.97	0.74	10.74
Chick-peas.....	35.3	0.04	150.55	0.01	4.26
Lentils.....	1.33 -	-	16.65	-	12.52
Vetch.....	3.75 -	-	32.5	-	8.67
Soya beans.....	1,942.75	2.25	15,099.86	1.09	7.77
Fenugreek.....	9.5	0.01	24.48	-	2.58
Gibto.....	-	-	-	-	-
Oilseeds.....	4,315.08	5.01	29,040.64	2.09	
Neug.....	984.52	1.14	664.16	0.05	0.67
Linseed.....	61.87	0.07	358.87	0.03	5.8
Groundnuts...	16.92	0.02	188.8	0.01	11.16
Sufflower.....	7.07	0.01	2.1	-	0.3
Sesame.....	1,061.06	1.23	2,695.99	0.19	2.54
Rapeseed.....	2,183.64	2.53	25,130.72	1.81	11.51
Vegetables.....	1,112.45	100	130,192.42	100	
Lettuce.....	2.11	0.19	29.42	0.02	13.94
Head Cabbage...	48.04	4.32	5,512.02	4.23	114.74
Ethiopian Cabbage.....	9.55	0.86	179.52	0.14	18.8
Tomatoes.....	808.46	72.67	121,080.76	93	149.77
Green peppers..	86.62	7.79	2,324.37	1.79	26.83
Red peppers....	155.7	14	1,014.89	0.78	6.52
Swiss chard....	1.97	0.18	51.44	0.04	26.11
Root Crops.....	604.66	100	53,973.17	100	
Beetroot.....	12.8	2.12	727.14	1.35	56.81
Carrot.....	6.63	1.1	531.96	0.99	80.24
Onion.....	538.77	89.1	50,422.65	93.42	93.59
Potatoes.....	33.39	5.52	2,131.06	3.95	63.82
Garlic.....	5.95	0.98	28.96	0.05	4.87
Taro/'Godere'	0.25	0.04	20.2	0.04	80.8
Sweet potatoes.	6.87	1.14	111.2	0.21	16.19
Cotton	368.28	2.02	11202.86	6.38	30.42

TABLE 1.1.6: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... All farms

Somale

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	296.75		4,309.63		
Grain Crops	244.4	100	3,208.88	100	
Cereals.....	230.15	94.17	3,165.88	98.66	
Teff.....	-	-	-	-	-
Barley.....	1	0.41	15	0.47	15
Wheat.....	4	1.64	54	1.68	13.5
Maize.....	157.65	64.5	2,747.88	85.63	17.43
Sorghum.....	67.5	27.62	349	10.88	5.17
Finger millet..	-	-	-	-	-
Oats/'Aja'.....	-	-	-	-	-
Rice.....	-	-	-	-	-
Pulses.....	10.25	4.19	40	1.25	
Horse beans....	-	-	-	-	-
Field peas.....	2	0.82	13	0.41	6.5
Haricot beans..	8.25	3.38	27	0.84	3.27
Chick-peas.....	-	-	-	-	-
Lentils.....	-	-	-	-	-
Vetch.....	-	-	-	-	-
Soya beans.....	-	-	-	-	-
Fenugreek.....	-	-	-	-	-
Gibto.....	-	-	-	-	-
Oilseeds.....	4	1.64	3	0.09	
Neug.....	-	-	-	-	-
Linseed.....	-	-	-	-	-
Groundnuts...	4	1.64	3	0.09	0.75
Sufflower.....	-	-	-	-	-
Sesame.....	-	-	-	-	-
Rapeseed.....	-	-	-	-	-
Vegetables.....	29.7	100	318.25	100	
Lettuce.....	4.25	14.31	62	19.48	14.59
Head Cabbage...	2.1	7.07	105	32.99	50
Ethiopian Cabbage.....	-	-	-	-	-
Tomatoes.....	14	47.14	128.6	40.41	9.19
Green peppers..	5.35	18.01	12.65	3.97	2.36
Red peppers....	4	13.47	10	3.14	2.5
Swiss chard....	-	-	-	-	-
Root Crops.....	22.65	100	782.5	100	
Beetroot.....	3.25	14.35	23.5	3	7.23
Carrot.....	1.5	6.62	14	1.79	9.33
Onion.....	12.5	55.19	691	88.31	55.28
Potatoes.....	4	17.66	42	5.37	10.5
Garlic.....	1.15	5.08	9	1.15	7.83
Taro/'Godere'	-	-	-	-	-
Sweet potatoes.	0.25	1.1	3	0.38	12

TABLE 1.1.7: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... All farms

Benshangul-Gumuz

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	3,646.58		36,566.57		
Grain Crops	3,359.76	100	34,651.20	100	
Cereals.....	1,229.44	36.59	22,044.00	63.62	
Teff.....	16.29	0.48	30.58	0.09	1.88
Barley.....	1	0.03	8	0.02	8
Wheat.....	1	0.03	4	0.01	4
Maize.....	605.76	18.03	17,026.75	49.14	28.11
Sorghum.....	602.34	17.93	4,959.67	14.31	8.23
Finger millet..	3.05	0.09	15	0.04	4.92
Oats/'Aja'.....	-	-	-	-	-
Rice.....	-	-	-	-	-
Pulses.....	925.18	27.54	8,018.96	23.14	
Horse beans....	-	-	-	-	-
Field peas.....	-	-	-	-	-
Haricot beans..	14.16	0.42	25.83	0.07	1.82
Chick-peas.....	1	0.03	2.5	0.01	2.5
Lentils.....	-	-	-	-	-
Vetch.....	-	-	-	-	-
Soya beans.....	910.02	27.09	7,990.63	23.06	8.78
Fenugreek.....	-	-	-	-	-
Oilseeds.....	1,205.14	35.87	4,588.24	13.24	
Neug.....	532.87	15.86	1,973.04	5.69	3.7
Linseed.....	-	-	-	-	-
Groundnuts...	28.07	0.84	129.5	0.37	4.61
Sufflower.....	-	-	-	-	-
Sesame.....	644.2	19.17	2,485.70	7.17	3.86
Rapeseed.....	-	-	-	-	-
Vegetables.....	53.78	100	409.37	100	
Lettuce.....	0.45	0.84	24.5	5.98	54.44
Head Cabbage...	0.99	1.84	46.2	11.29	46.67
Ethiopian Cabbage.....	-	-	-	-	-
Tomatoes.....	0.86	1.6	62.67	15.31	72.87
Green peppers..	-	-	-	-	-
Red peppers....	51.03	94.89	250.5	61.19	4.91
Swiss chard....	0.45	0.84	25.5	6.23	56.67
Root Crops.....	3.04	100	306	100	
Beetroot.....	0.79	25.99	51	16.67	64.56
Carrot.....	0.5	16.45	66	21.57	132
Onion.....	1.5	49.34	168.5	55.07	112.33
Potatoes.....	0.25	8.22	20.5	6.7	82
Garlic.....	-	-	-	-	-
Sweet potatoes.	-	-	-	-	-
Cotton	230	99.56	1200	99.92	5.22

TABLE 1.1.8: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... All farms

(S.N.N.P.R)

Crop	Area		Production		Yield
	Hectares	IN %	Quintals	%	QT/HA
TOTAL	7,726.28		183,804.46		
Grain Crops	5,629.94	100	133,648.54	100	
Cereals.....	4,986.01	88.56	130,552.47	97.68	
Teff.....	234.18	4.16	1,205.45	0.9	5.15
Barley.....	17.21	0.31	104.67	0.08	6.08
Wheat.....	754.62	13.4	9,555.33	7.15	12.66
Maize.....	3,748.50	66.58	118,686.27	88.8	31.66
Sorghum.....	213.5	3.79	948.75	0.71	4.44
Finger millet..	18	0.32	52	0.04	2.89
Oats/'Aja'.....	-	-	-	-	-
Rice.....	-	-	-	-	-
Pulses.....	436.53	7.75	2,770.70	2.07	
Horse beans....	92.4	1.64	756.4	0.57	8.19
Field peas.....	15.08	0.27	91.76	0.07	6.08
Haricot beans..	173.72	3.09	1,278.44	0.96	7.36
Chick-peas.....	155.33	2.76	644.1	0.48	4.15
Lentils.....	-	-	-	-	-
Vetch.....	-	-	-	-	-
Soya beans.....	-	-	-	-	-
Fenugreek.....	-	-	-	-	-
Gibto.....	-	-	-	-	-
Oilseeds.....	207.4	3.68	325.37	0.24	
Neug.....	62	1.1	180	0.13	2.9
Linseed.....	1	0.02	3 -		3
Groundnuts...	-	-	-	-	-
Sufflower.....	-	-	-	-	-
Sesame.....	144.4	2.56	142.37	0.11	0.99
Rapeseed.....	-	-	-	-	-
Vegetables.....	236.73	100	13,766.44	100	
Lettuce.....	-	-	-	-	-
Head Cabbage...	4.81	2.03	206.66	1.5	42.96
Ethiopian Cabbage.....	0.21	0.09	12	0.09	57.14
Tomatoes.....	91.16	38.51	12,692.67	92.2	139.24
Green peppers..	49.49	20.91	81.01	0.59	1.64
Red peppers....	90.75	38.33	750.1	5.45	8.27
Swiss chard....	0.31	0.13	24	0.17	77.42
Root Crops.....	285.32	100	6,227.77	100	
Beetroot.....	10.67	3.74	37.02	0.59	3.47
Carrot.....	13.42	4.7	143.87	2.31	10.72
Onion.....	48.53	17.01	1,854.13	29.77	38.21
Potatoes.....	40.29	14.12	3,863.75	62.04	95.9
Garlic.....	165.65	58.06	13.45	0.22	0.08
Taro/'Godere'	0.95	0.33	25.05	0.4	26.37
Sweet potatoes.	5.81	2.04	290.5	4.66	50
Cotton	1574.29	48.63	30161.71	23.67	19.16

TABLE 1.1.1.9: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... All farms

Gambela

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	531.77		8868.1		
Grain Crops	31.25	100	577.1	100	
Cereals.....	26.25	84	567	98.25	
Teff.....	-	-	-	-	-
Barley.....	-	-	-	-	-
Wheat.....	-	-	-	-	-
Maize.....	25.75	82.4	562	97.38	21.83
Sorghum.....	-	-	-	-	-
Finger millet..	0.5	1.6	5	0.87	10
Oats/'Aja'.....	-	-	-	-	-
Rice.....	-	-	-	-	-
Pulses.....	-	-	-	-	-
Horse beans....	-	-	-	-	-
Field peas.....	-	-	-	-	-
Haricot beans..	-	-	-	-	-
Chick-peas.....	-	-	-	-	-
Lentils.....	-	-	-	-	-
Vetch.....	-	-	-	-	-
Soya beans.....	-	-	-	-	-
Fenugreek.....	-	-	-	-	-
Gibto.....	-	-	-	-	-
Oilseeds.....	5	16	10.1	1.75	
Neug.....	-	-	-	-	-
Linseed.....	-	-	-	-	-
Groundnuts...	1	3.2	5	0.87	5
Sufflower.....	-	-	-	-	
Sesame.....	4	12.8	5.1	0.88	1.28
Rapeseed.....	-	-	-	-	-
Vegetables.....	0.5	100	-	-	-
Lettuce.....	-	-	-	-	-
Head Cabbage...	-	-	-	-	-
Ethiopian Cabbage.....	0.5	100	-	-	-
Tomatoes.....	-	-	-	-	-
Green peppers..	-	-	-	-	-
Red peppers....	-	-	-	-	-
Swiss chard....	-	-	-	-	-
Root Crops.....	0.02	100	5	100	
Beetroot.....	-	-	-	-	-
Carrot.....	-	-	-	-	-
Onion.....	-	-	-	-	-
Potatoes.....	-	-	-	-	-
Garlic.....	-	-	-	-	-
Taro/'Godere'	-	-	-	-	-
Sweet potatoes.	0.02	100	5	100	250
Cotton	500	100	8286	100	16.57

TABLE 1.1.1.10: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... All farms

Addis Ababa

Crop	Area		Production		Yield
	Hectares	IN %	Quintals	%	QT/HA
TOTAL	141.98		7,062.08		
Grain Crops	38	100	242.56	100	
Cereals.....	23	60.53	190.56	78.56	
Teff.....	19	50	162.56	67.02	8.56
Barley.....	-	-	-	-	-
Wheat.....	4	10.53	28	11.54	7
Maize.....	-	-	-	-	-
Sorghum.....	-	-	-	-	-
Finger millet..	-	-	-	-	-
Oats/'Aja'.....	-	-	-	-	-
Rice.....	-	-	-	-	-
Pulses.....	15	39.47	52	21.44	
Horse beans....	-	-	-	-	-
Field peas.....	-	-	-	-	-
Haricot beans..	-	-	-	-	-
Chick-peas.....	8	21.05	17	7.01	2.13
Lentils.	2	5.26	13	5.36	6.5
Vetch.....	4	10.53	20	8.25	5
Soya beans.....	-	-	-	-	-
Fenugreek.....	1	2.63	2	0.82	2
Gibto.....	-	-	-	-	-
Oilseeds.....	-	-	-		-
Neug.....	-	-	-	-	-
Linseed.....	-	-	-	-	-
Groundnuts...	-	-	-	-	-
Sufflower.....	-	-	-	-	-
Sesame.....	-	-	-	-	-
Rapeseed.....	-	-	-	-	-
Vegetables.....	66.21	100	4,296.79	100	
Lettuce.....	24.27	36.66	1,613.02	37.54	66.46
Head Cabbage...	4.55	6.87	715	16.64	157.14
Ethiopian Cabbage.....	22.74	34.35	576.2	13.41	25.34
Tomatoes.....	1.5	2.27	225.12	5.24	150.08
Green peppers..	-	-	-	-	-
Red peppers....	-	-	-	-	-
Swiss chard....	13.15	19.86	1,167.45	27.17	88.78
Root Crops.....	37.77	100	2,522.73	100	
Beetroot.....	2.75	7.28	26.28	1.04	9.56
Carrot.....	13.45	35.61	1,294.00	51.29	96.21
Onion.....	5.04	13.34	121	4.8	24.01
Potatoes.....	16.03	42.44	1,011.45	40.09	63.1
Garlic.....	0.5	1.32	70	2.77	140
Taro/'Godere'	-	-	-	-	-
Sweet potatoes.	-	-	-	-	-

TABLE 1.2.1.1: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... State farms

Ethiopia

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	46,547.75		1,009,031.11		
Grain Crops	31,359.25	100	715,444.17	100	
Cereals.....	29,068.13	92.69	695,170.80	97.17	
Teff.....	44.2	0.14	121.09	0.02	2.74
Barley.....	538.97	1.72	9,091.55	1.27	16.87
Wheat.....	21,920.10	69.9	478,096.08	66.83	21.81
Maize.....	6,561.86	20.92	207,796.08	29.04	31.67
Other Cereals	3	0.01	66	0.01	
Pulses.....	1,104.69	3.52	10,019.37	1.4	
Horse beans....	756.04	2.41	6,756.81	0.94	8.94
Haricot beans..	348.65	1.11	3,262.56	0.46	9.36
Oilseeds.....	1,186.43	3.78	10,254.00	1.43	
Sesame.....	106	0.34	60.8	0.01	0.57
Rapeseed.....	1,080.43	3.45	10,193.20	1.42	9.43
Vegetables.....	576.68	100	104,133.89	100	
Tomatoes.....	531.93	92.24	102,880.00	98.8	193.41
Green peppers..	38.91	6.75	620.77	0.6	15.95
Other Vegetables	5.84	1.01	633.12	0.61	
Root Crops.....	277.85	100	21,653.33	100	
Onion.....	272.74	98.16	21,150.48	97.68	77.55
Other root crops	5.11	1.84	502.85	2.32	
Cotton	14333.97	47.41	167799.72	100	11.71

TABLE 1.2.1.2: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... State farms

Afar

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	12317.45		125813.63		
Vegetables.....	3	100	304.45	100	
Root Crops.....	2	100	269.63	100	
Cotton	12312.45	100	125239.55	100	10.17

TABLE 1.2.1.3: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... State farms

Oromia

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	30,169.77		785,912.08		
Grain Crops	29,018.96	100	650,036.08	100	
Cereals.....	26,802.84	92.36	630,403.11	96.98	
Barley.....	538.97	1.86	9,091.55	1.4	16.87
Wheat.....	21,920.10	75.54	478,096.08	73.55	21.81
Maize.....	4,342.77	14.97	143,209.48	22.03	32.98
Other Cereals	1	–	6	-	
Pulses.....	1,029.69	3.55	9,378.97	1.44	
Horse beans....	681.04	2.35	6,116.41	0.94	8.98
Haricot beans..	348.65	1.2	3,262.56	0.5	9.36
Oilseeds.....	1,186.43	4.09	10,254.00	1.58	
Sesame.....	106	0.37	60.8	0.01	0.57
Rapeseed.....	1,080.43	3.72	10,193.20	1.57	9.43
Vegetables.....	573.68	100	103,829.44	100	
Tomatoes.....	531.93	92.72	102,880.00	99.09	193.41
Green peppers..	38.91	6.78	620.77	0.6	15.95
Other Vegetables	2.84	0.5	328.67	0.32	
Root Crops.....	275.85	100	21,383.70	100	
Onion.....	272.74	98.87	21,150.48	98.91	77.55
Other root crops	3.11	1.13	233.22	1.09	
Cotton	301.28	1.86	10662.86	100	35.39

TABLE 1.2.1.4: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... State farms

(S.N.N.P.R)

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	3,910.53		95,519.40	0	
Grain Crops	2,340.29	100	65,408.09	100	
Cereals.....	2,265.29	96.8	64,767.69	99.02	
Teff.....	44.2	1.89	121.09	0.19	2.74
Maize.....	2,219.09	94.82	64,586.60	98.74	29.1
Other Cereals	2	0.09	60	0.09	
Pulses.....	75	3.2	640.4	0.98	
Horse beans....	75	3.2	640.4	0.98	8.54
Cotton	1570.24	100	30111.31	100	19.18

TABLE 1.2.1.5: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... State farms

Gambela

CROPS	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	150		#REF!		
Cotton	150	100	1786	100	11.91

TABLE 1.3.1.1: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... Commercial farms

Ethiopia

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	220,739.31		1,200,565.07		
Grain Crops	153,606.10	100	990,051.99	100	
Cereals.....	110,734.86	72.09	758,031.17	76.56	
Teff.....	878.19	0.57	5,514.76	0.56	6.28
Barley.....	122.96	0.08	2,148.07	0.22	17.47
Wheat.....	19,846.92	12.92	221,024.50	22.32	11.14
Maize.....	55,842.49	36.35	270,795.05	27.35	4.85
Sorghum.....	33,757.75	21.98	253,548.04	25.61	7.51
Finger millet..	13	0.01	45	-	3.46
Rice.....	235	0.15	4,471.15	0.45	19.03
Other Cereals	38.55	0.03	484.6	0.05	
Pulses.....	5,380.48	3.5	45,270.01	4.57	
Horse beans....	62	0.04	1,026.00	0.1	16.55
Field peas.....	115	0.07	1,650.00	0.17	14.35
Haricot beans..	328.94	0.21	2,173.56	0.22	6.61
Chick-peas.....	322.6	0.21	1,525.10	0.15	4.73
Soya beans.....	4,492.02	2.92	38,523.90	3.89	8.58
Other Pulses	59.92	0.04	371.45	0.04	
Oilseeds.....	37,490.76	24.41	186,750.81	18.86	
Neug.....	916.35	0.6	2,575.23	0.26	2.81
Linseed.....	52.5	0.03	272.64	0.03	5.19
Groundnuts...	28	0.02	128	0.01	4.57
Sesame.....	36,093.95	23.5	177,134.74	17.89	4.91
Rapeseed.....	379.21	0.25	6,456.70	0.65	17.03
Other Oil seeds	20.75	0.01	183.5	0.02	
Vegetables.....	21,031.83	100	31,305.75	100	
Lettuce.....	49.77	0.24	1,640.02	5.24	32.95
Head Cabbage...	10,027.96	47.68	830.22	2.65	0.08
Ethiopian Cabbage.....	16.31	0.08	322	1.03	19.74
Tomatoes.....	258.47	1.23	17,990.34	57.47	69.6
Green peppers..	34.81	0.17	1,186.60	3.79	34.09
Red peppers....	527.54	2.51	2,748.53	8.78	5.21
Swiss chard....	10,034.77	47.71	1,521.66	4.86	0.15
Other Vegetables	82.2	0.39	5,066.38	16.18	
Root Crops.....	31,583.83	100	24,674.93	100	
Carrot.....	20.3	0.06	3	0.01	0.15
Onion.....	279.23	0.88	20,907.32	84.73	74.87
Potatoes.....	30,015.52	95.03	1,083.45	4.39	0.04
Other root crops	1,268.78	4.02	2,681.16	10.87	
Cotton	14517.55	80.54	154532.4	38.6	10.64

TABLE 1.3.1.2: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... Commercial farms

Tigray

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	173,359.05		438,111.03		
Grain Crops	113,306.60	100	364,781.58	100	
Cereals.....	80,005.45	70.61	218,082.58	59.78	
Teff.....	158.95	0.14	549	0.15	3.45
Barley.....	21.75	0.02	154	0.04	7.08
Wheat.....	10,009.00	8.83	145	0.04	0.01
Maize.....	40,045.75	35.34	314.29	0.09	0.01
Sorghum.....	29,766.50	26.27	216,809.79	59.44	7.28
Other Cereals	3.5	-	110.5	0.03	
Pulses.....	38.9	0.03	181	0.05	
Chick-peas.....	26.5	0.02	109	0.03	4.11
Other Pulses	12.4	0.01	72	0.02	
Oilseeds.....	33,262.25	29.36	146,518.00	40.17	
Sesame.....	33,262.25	29.36	146,518.00	40.17	4.4
Vegetables.....	20,095.76	100	3,107.20	100	
Lettuce.....	25.5	0.13	27	0.87	1.06
Head Cabbage...	10,020.72	49.86	710.22	22.86	0.07
Green peppers..	12.91	0.06	9.7	0.31	0.75
Swiss chard....	10,023.32	49.88	714.21	22.99	0.07
Other Vegetables	13.31	0.07	1,646.07	52.98	
Root Crops.....	31,291.69	100	612.25	100	
Carrot.....	20.3	0.06	3	0.49	0.15
Onion.....	70.18	0.22	471.25	76.97	6.71
Potatoes.....	30,000.49	95.87	78	12.74	-
Other root crops	1,200.72	3.84	60	9.8	
Cotton	8665	100	69610	100	8.03

TABLE 1.3.1.3: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... Commercial farms

Afar

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	4516.5		83,178.00		
Grain Crops	426	100	12,240.00	100	
Cereals.....	424	99.53	12,210.00	99.75	
Maize.....	38	8.92	720	5.88	18.95
Sorghum.....	386	90.61	11,490.00	93.87	29.77
Oilseeds.....	2	0.47	30	0.25	
Other Oil seeds	2	0.47	30	0.25	
Cotton	4090.5	100	70938	100	17.34

TABLE 1.3.1.4: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... Commercial farms

Amhara

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	14,805.02		135,198.68		
Grain Crops	13,261.82	100	118,712.94	100	
Cereals.....	9,623.23	72.56	72,272.27	60.88	
Teff.....	329.5	2.48	2,942.10	2.48	8.93
Barley.....	13.58	0.1	322.57	0.27	23.75
Wheat.....	88.92	0.67	975.5	0.82	10.97
Maize.....	6,979.18	52.63	51,387.10	43.29	7.36
Sorghum.....	1,972.80	14.88	12,142.75	10.23	6.16
Rice.....	235	1.77	4,471.15	3.77	19.03
Other Cereals	4.25	0.03	31.1	0.03	
Pulses.....	2,206.41	16.64	20,608.28	17.36	
Haricot beans..	11	0.08	59	0.05	5.36
Chick-peas.....	113	0.85	649.5	0.55	5.75
Soya beans.....	2,069.39	15.6	19,788.83	16.67	9.56
Other Pulses	13.02	0.1	110.95	0.09	
Oilseeds.....	1,432.18	10.8	25,832.39	21.76	
Neug.....	87.78	0.66	205.87	0.17	2.35
Sesame.....	1,344.10	10.14	25,625.52	21.59	19.07
Other Oil seeds	0.3		1		
Vegetables.....	355.84	100	5,713.99	100	
Head Cabbage...	7.24	2.03	120	2.1	16.57
Tomatoes.....	93.13	26.17	4,248.93	74.36	45.62
Red peppers....	241.6	67.9	854.92	14.96	3.54
Other Vegetables	13.87	3.9	490.14	8.58	
Root Crops.....	76.36	100	5,077.75	100	
Onion.....	66.8	87.48	4,802.07	94.57	71.89
Other root crops	9.56	12.52	275.68	5.43	
Cotton	1111	97.23	5694	73.1	5.13

TABLE 1.3.1.5: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... Commercial farms

Oromia

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	22,015.75		460,247.35		
Grain Crops	21,511.91	100	435,556.73	100	
Cereals.....	17,793.97	82.72	407,959.55	93.66	
Teff.....	278.65	1.3	1,440.10	0.33	5.17
Barley.....	87.63	0.41	1,671.50	0.38	19.07
Wheat.....	9,031.50	41.98	210,725.00	48.38	23.33
Maize.....	7,541.81	35.06	186,507.45	42.82	24.73
Sorghum.....	853.38	3.97	7,603.50	1.75	8.91
Other Cereals	1	-	12	-	
Pulses.....	2,168.17	10.08	17,869.92	4.1	
Horse beans....	62	0.29	1,026.00	0.24	16.55
Field peas.....	110	0.51	1,600.00	0.37	14.55
Haricot beans..	180.69	0.84	1,429.56	0.33	7.91
Chick-peas.....	28.1	0.13	124.5	0.03	4.43
Soya beans.....	1,775.63	8.25	13,637.86	3.13	7.68
Other Pulses	11.75	0.05	52	0.01	
Oilseeds.....	1,549.77	7.2	9,727.26	2.23	
Neug.....	255.5	1.19	287.5	0.07	1.13
Linseed.....	52.5	0.24	272.64	0.06	5.19
Sesame.....	856.31	3.98	2,587.42	0.59	3.02
Rapeseed.....	379.21	1.76	6,456.70	1.48	17.03
Other Oil seeds	6.25	0.03	123	0.03	
Vegetables.....	282.53	100	8,288.92	100	
Tomatoes.....	96.84	34.28	5,225.41	63.04	53.96
Green peppers..	21.9	7.75	1,176.90	14.2	53.74
Red peppers....	146.44	51.83	903.51	10.9	6.17
Other Vegetables	17.35	6.14	983.1	11.86	
Root Crops.....	154.31	100	15,861.70	100	
Onion.....	142.25	92.18	15,634.00	98.56	109.91
Other root crops	12.06	7.82	227.7	1.44	
Cotton	67	3.39	540	0.33	8.06

TABLE 1.3.1.6: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... Commercial farms

Somale

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	142.8		939.25		
Grain Crops	114	100	580	100	
Cereals.....	107	93.86	539	92.93	
Maize.....	50	43.86	174	30	3.48
Sorghum.....	53.5	46.93	313	53.97	5.85
Other Cereals	3.5	3.07	52	8.97	
Pulses.....	3	2.63	38	6.55	
Oilseeds.....	4	3.51	3	0.52	
Vegetables.....	16.25	100	245.75	100	
Root Crops.....	12.55	100	113.5	100	

TABLE 1.3.1.7: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... Commercial farms

Benshangul-Gumuz

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	2,974.09		30,952.60		
Grain Crops	2,920.49	100	30,496.60	100	
Cereals.....	1,089.13	37.29	20,944.23	68.68	
Teff.....	11.09	0.38	8	0.03	0.72
Maize.....	545.17	18.67	16,467.23	54	30.21
Sorghum.....	528.32	18.09	4,374.00	14.34	8.28
Other Cereals	4.55	0.16	95	0.31	
Pulses.....	661	22.63	5,118.71	16.78	
Haricot beans..	13	0.45	19	0.06	1.46
Soya beans.....	647	22.15	5,097.21	16.71	7.88
Other Pulses	1	0.03	2.5	0.01	
Oilseeds.....	1,170.36	40.07	4,433.66	14.54	
Neug.....	511.07	17.5	1,901.86	6.24	3.72
Groundnuts...	28	0.96	128	0.42	4.57
Sesame.....	631.29	21.62	2,403.80	7.88	3.81
Vegetables.....	52:4	100	330	100	
Red peppers....	51	97.33	248	75.15	4.86
Other Vegetables	1.4	2.67	82	24.85	
Root Crops.....	1.2	100	126	100	

TABLE 1.3.1.8: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... Commercial farms

(S.N.N.P.R)

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	2,191.07		37,035.68		
Grain Crops	2,018.78	100	27,351.58	100	
Cereals.....	1,660.58	82.26	25,742.98	94.12	
Teff.....	81	4.01	413	1.51	5.1
Wheat.....	717.5	35.54	9,179.00	33.56	12.79
Maize.....	642.58	31.83	15,224.98	55.66	23.69
Sorghum.....	197.25	9.77	815	2.98	4.13
Finger millet..	13	0.64	45	0.16	3.46
Other Cereals	9.25	0.46	66	0.24	
Pulses.....	288	14.27	1,402.10	5.13	
Field peas.....	5	0.25	50	0.18	10
Haricot beans..	124.25	6.15	666	2.43	5.36
Chick-peas.....	155	7.68	642.1	2.35	4.14
Other Pulses	3.75	0.19	44	0.16	
Oilseeds.....	70.2	3.48	206.5	0.75	
Neug.....	62	3.07	180	0.66	2.9
Other Oil seeds	8.2	0.41	26.5	0.1	
Vegetables.....	162.34	100	9,323.10	100	
Tomatoes.....	68.5	42.2	8,516.00	91.34	124.32
Red peppers....	88.5	54.52	742.1	7.96	8.39
Other Vegetables	5.34	3.29	65	0.7	
Root Crops.....	9.95	100	361	100	

TABLE 1.3.1.9: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... Commercial farms

Gambela

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	359		6590		
Grain Crops	8.5	100	90	100	
Cereals.....	8.5	100	90	100	
Vegetables.....	0.5	100	0		
Cotton	350	100	6500	100	18.57

TABLE 1.3.1.10: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... Commercial farms

Addis Ababa

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	141.98		7,062.08		
Grain Crops	38	100	242.56	100	
Cereals.....	23	60.53	190.56	78.56	
Teff.....	19	50	162.56	67.02	8.56
Other Cereals	4	10.53	28	11.54	
Pulses.....	15	39.47	52	21.44	
Other Pulses	15	39.47	52	21.44	
Vegetables.....	66.21	100	4,296.79	100	
Lettuce.....	24.27	36.66	1,613.02	37.54	66.46
Ethiopian Cabbage.....	16.31	24.63	322	7.49	19.74
Swiss chard....	11.45	17.29	807.45	18.79	70.52
Other Vegetables	14.18	21.42	1,554.32	36.17	
Root Crops.....	37.77	100	2,522.73	100	
Potatoes.....	15.03	39.79	1,005.45	39.86	66.9
Other root crops	22.74	60.21	1,517.28	60.14	

TABLE 1.4.1.1: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... Other farms

Ethiopia

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	45,738.46		406,748.44		
Grain Crops	44,793.55	100	359,172.60	100	
Cereals.....	39,058.31	87.2	334,976.38	93.26	
Teff.....	769.23	1.72	4,759.17	1.33	6.19
Barley.....	281.75	0.63	3,786.60	1.05	13.44
Wheat.....	17,786.33	39.71	174,036.78	48.45	9.78
Maize.....	9,642.13	21.53	148,089.32	41.23	15.36
Sorghum.....	10,476.95	23.39	3,449.58	0.96	0.33
Finger millet..	40.5	0.09	416.25	0.12	10.28
Other Cereals	61.42	0.14	438.68	0.12	
Pulses.....	3,955.58	8.83	14,739.09	4.1	
Horse beans....	2,754.38	6.15	2,565.47	0.71	0.93
Field peas.....	96.61	0.22	683.82	0.19	7.08
Haricot beans..	443.44	0.99	5,946.17	1.66	13.41
Chick-peas.....	54.8	0.12	249.67	0.07	4.56
Lentils.....	41.49	0.09	188.34	0.05	4.54
Vetch.....	42.14	0.09	269.04	0.07	6.38
Soya beans.....	430.14	0.96	4,355.42	1.21	10.13
Fenugreek.....	18.15	0.04	91.28	0.03	5.03
Other Pulses	74.43	0.17	389.88	0.11	
Oilseeds.....	1,779.66	3.97	9,457.13	2.63	
Neug.....	766.36	1.71	543.98	0.15	0.71
Groundnuts...	10.66	0.02	65.3	0.02	6.13
Sesame.....	247.86	0.55	245.54	0.07	0.99
Rapeseed.....	724	1.62	8,480.82	2.36	11.71
Other Oil seeds	30.78	0.07	121.49	0.03	
Vegetables.....	425.05	100	23,147.99	100	
Lettuce.....	57.02	13.41	11.08	0.05	0.19
Head Cabbage...	37.01	8.71	4,563.00	19.71	123.29
Tomatoes.....	201.6	47.43	17,128.02	73.99	84.96
Green peppers..	68.32	16.07	432.82	1.87	6.34
Other Vegetables	61.1	14.37	1,013.07	4.38	
Root Crops.....	519.86	100	24,427.85	100	
Carrot.....	22.74	4.37	60.58	0.25	2.66
Onion.....	184.26	35.44	15,493.82	63.43	84.09
Potatoes.....	56.99	10.96	5,274.21	21.59	92.55
Garlic.....	165.52	31.84	12.25	0.05	0.07
Other root crops	90.35	17.38	3,586.99	14.68	

TABLE 1.4.1.2: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... Other farms

Tigray

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	75.29		234.43		
Grain Crops	15.22	100	145.5	100	
Cereals.....	12.72	83.57	134.5	92.44	
Other Cereals	12.72	83.57	134.5	92.44	
Pulses.....	2.5	16.43	11	7.56	
Other Pulses	2.5	16.43	11	7.56	
Vegetables.....	58.06	100	60.93	100	
Lettuce.....	57.02	98.21	11.08	18.18	0.19
Other Vegetables	1.04	1.79	49.85	81.82	
Root Crops.....	2.01	100	28	100	

TABLE 1.4.1.3: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... Other farms

Amhara

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	7,370.06		8,248.40		
Grain Crops	7,292.27	100	6,839.13	100	
Cereals.....	4,507.61	61.81	5,341.46	78.1	
Teff.....	314.8	4.32	1,673.36	24.47	5.32
Barley.....	80.51	1.1	382.64	5.59	4.75
Wheat.....	192.05	2.63	1,580.27	23.11	8.23
Maize.....	30.75	0.42	586.8	8.58	19.08
Sorghum.....	3,863.98	52.99	812.63	11.88	0.21
Finger millet..	10.88	0.15	192.26	2.81	17.67
Other Cereals	14.64	0.2	113.5	1.66	
Pulses.....	2,760.79	37.86	1,381.97	20.21	
Horse beans....	2,568.14	35.22	437.69	6.4	0.17
Field peas.....	15.58	0.21	67.2	0.98	4.31
Chick-peas.....	54.8	0.75	249.67	3.65	4.56
Lentils.....	41.49	0.57	188.34	2.75	4.54
Vetch.....	42.14	0.58	269.04	3.93	6.38
Fenugreek.....	18.15	0.25	91.28	1.33	5.03
Other Pulses	20.49	0.28	78.75	1.15	
Oilseeds.....	23.87	0.33	115.7	1.69	
Neug.....	15.54	0.21	96.14	1.41	6.19
Other Oil seeds	8.33	0.11	19.56	0.29	
Vegetables.....	21.63	100	433.96	100	
Other Vegetables	21.63	100	433.96	100	
Root Crops.....	56.16	100	975.31	100	
Carrot.....	11.75	20.92	45.61	4.68	3.88
Onion.....	12.82	22.83	17.52	1.8	1.37
Other root crops	31.59	56.25	912.18	93.53	

TABLE 1.4.1.4: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... Other farms

Oromia

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	36,053.58		338,831.85		
Grain Crops	35,622.84	100	304,030.02	100	
Cereals.....	33,196.63	93.19	285,254.97	93.82	
Teff.....	353.45	0.99	2,434.45	0.8	6.89
Barley.....	189.53	0.53	3,356.89	1.1	17.71
Wheat.....	17,557.16	49.29	172,080.18	56.6	9.8
Maize.....	8,542.06	23.98	105,157.43	34.59	12.31
Sorghum.....	6,508.95	18.27	1,883.53	0.62	0.29
Finger millet..	29.62	0.08	223.99	0.07	7.56
Other Cereals	15.86	0.04	118.5	0.04	
Pulses.....	847.33	2.38	9,715.67	3.2	
Horse beans....	169.84	0.48	2,026.78	0.67	11.93
Field peas.....	70.95	0.2	574.86	0.19	8.1
Haricot beans..	428.38	1.2	5,594.85	1.84	13.06
Soya beans.....	167.12	0.47	1,462.00	0.48	8.75
Other Pulses	11.04	0.03	57.18	0.02	
Oilseeds.....	1,578.88	4.43	9,059.38	2.98	
Neug.....	729.02	2.05	376.66	0.12	0.52
Groundnuts...	10.66	0.03	65.3	0.02	6.13
Sesame.....	98.75	0.28	47.77	0.02	0.48
Rapeseed.....	724	2.03	8,480.82	2.79	11.71
Other Oil seeds	16.45	0.05	88.83	0.03	
Vegetables.....	256.24	100	18,074.06	100	
Head Cabbage...	37.01	14.44	4,563.00	25.25	123.29
Tomatoes.....	179.69	70.13	12,975.35	71.79	72.21
Green peppers..	24.32	9.49	422.7	2.34	17.38
Other Vegetables	15.22	5.94	113.01	0.63	
Root Crops.....	174.5	100	16,727.77	100	
Onion.....	123.78	70.93	13,638.17	81.53	110.18
Potatoes.....	25.53	14.63	1,750.46	10.46	68.56
Other root crops	25.19	14.44	1,339.14	8.01	

TABLE 14.1.5: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... Other farms

Somale

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	153.95		3,370.38	0	
Grain Crops	130.4	100	2,628.88	100	
Cereals.....	123.15	94.44	2,626.88	99.92	
Maize.....	107.65	82.55	2,573.88	97.91	23.91
Sorghum.....	14	10.74	36	1.37	2.57
Other Cereals	1.5	1.15	17	0.65	
Pulses.....	7.25	5.56	2	0.08	
Vegetables.....	13.45	100	72.5	100	
Root Crops.....	10.1	100	669	100	

TABLE 1.4.1.6: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... Other farms

Benshangul-Gumuz

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	442.2		4,377.30	0	
Grain Crops	439.2	100	4,153.10	100	
Cereals.....	140.31	31.95	1,099.77	26.48	
Maize.....	59.09	13.45	479.52	11.55	8.12
Sorghum.....	74.02	16.85	585.67	14.1	7.91
Other Cereals	7.2	1.64	34.58	0.83	
Pulses.....	264.18	60.15	2,900.25	69.83	
Soya beans.....	263.02	59.89	2,893.42	69.67	11
Other Pulses	1.16	0.26	6.83	0.16	
Oilseeds.....	34.71	7.9	153.08	3.69	
Neug.....	21.8	4.96	71.18	1.71	3.27
Sesame.....	12.91	2.94	81.9	1.97	6.34
Vegetables.....	1.28	100	63.2	100	
Root Crops.....	1.72	100	161	100	

TABLE 1.4.1.7: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... Other farms

(S.N.N.P.R)

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	1,620.63		51,198.98		
Grain Crops	1,270.87	100	40,888.87	100	
Cereals.....	1,060.14	83.42	40,041.80	97.93	
Teff.....	100.98	7.95	651.36	1.59	6.45
Barley.....	11.71	0.92	47.07	0.12	4.02
Wheat.....	37.12	2.92	376.33	0.92	10.14
Maize.....	884.83	69.62	38,814.69	94.93	43.87
Sorghum.....	16	1.26	131.75	0.32	8.23
Other Cereals	9.5	0.75	20.6	0.05	
Pulses.....	73.53	5.79	728.2	1.78	
Horse beans....	16.4	1.29	101	0.25	6.16
Field peas.....	10.08	0.79	41.76	0.1	4.14
Haricot beans..	15.06	1.19	351.32	0.86	23.33
Other Pulses	31.99	2.52	234.12	0.57	
Oilseeds.....	137.2	10.8	118.87	0.29	
Sesame.....	136.2	10.72	115.87	0.28	0.85
Other Oil seeds	1	0.08	3	0.01	
Vegetables.....	74.39	100	4,443.34	100	
Tomatoes.....	21.91	29.45	4,152.67	93.46	189.53
Green peppers..	44	59.15	10.12	0.23	0.23
Other Vegetables	8.48	11.4	280.55	6.31	
Root Crops.....	275.37	100	5,866.77	100	
Carrot.....	10.99	3.99	14.97	0.26	1.36
Onion.....	47.66	17.31	1,838.13	31.33	38.57
Potatoes.....	31.46	11.42	3,523.75	60.06	112.01
Garlic.....	165.52	60.11	12.25	0.21	0.07
Other root crops	19.74	7.17	477.67	8.14	

TABLE 1.4.1.8: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BOTH SEASON

2001/02 (1994 E.C.) ... Other farms

Gambela

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	22.75		487.1	0	
Grain Crops	22.75	100	487.1	100	
Cereals.....	17.75	78.02	477	97.93	
Maize.....	17.75	78.02	477	97.93	26.87
Oilseeds.....	5	21.98	10.1	2.07	

TABLE 1.1.2.1: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... All Farms

Ethiopia

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	261718.33		2562984.4		
Grain Crops	210689.46	100	2047162.1	100	
Cereals.....	159883.35	75.89	1771205.5	86.52	
Teff.....	1584.66	0.75	10111.95	0.49	6.38
Barley.....	920.65	0.44	14946.67	0.73	16.23
Wheat.....	59556.35	28.27	873187.36	42.65	14.66
Maize.....	53295.24	25.3	610950.2	29.84	11.46
Sorghum.....	44204.7	20.98	256817.62	12.55	5.81
Finger millet..	62	0.03	496.07	0.02	8
Rice.....	243.25	0.12	4548.15	0.22	18.7
Other Cereals	16.5	0.01	147.5	0.01	
Pulses.....	10349.45	4.91	69494.13	3.39	
Horse beans....	3581.32	1.7	10386.08	0.51	2.9
Field peas.....	211.61	0.1	2334.8	0.11	11.03
Haricot beans..	1099.02	0.52	11286.37	0.55	10.27
Chick-peas.....	386.43	0.18	1813.02	0.09	4.69
Lentils.....	41.49	0.02	188.34	0.01	4.54
Vetch.....	42.39	0.02	273.04	0.01	6.44
Soya beans.....	4922.16	2.34	42879.32	2.09	8.71
Fenugreek.....	19.55	0.01	95.28	0.00	4.87
Other Pulses	45.48	0.02	237.88	0.01	
Oilseeds.....	40456.66	19.2	206462.44	10.09	
Neug.....	1682.71	0.8	3119.21	0.15	1.85
Linseed.....	61.87	0.03	358.87	0.02	5.8
Groundnuts...	44.98	0.02	317.8	0.02	7.07
Sesame.....	36459.26	17.3	177471.58	8.67	4.87
Rapeseed.....	2183.64	1.04	25130.72	1.23	11.51
Other Oil seeds	24.2	0.01	64.26	0.00	
Vegetables.....	11538.5	100	146811.13	100	
Lettuce.....	71.27	0.62	1508.13	1.03	21.16
Head Cabbage...	5047.4	43.74	5887.4	4.01	1.17
Tomatoes.....	752.86	6.52	131577.59	89.62	174.77
Green peppers..	74.46	0.65	946.77	0.64	12.72
Red peppers....	514.6	4.46	2726.56	1.86	5.3
Swiss chard....	5013.3	43.45	1344.95	0.92	0.27
Other Vegetables	64.61	0.56	2819.73	1.92	
Root Crops.....	10638.85	100	46679.07	100	
Beetroot.....	12.69	0.12	720.43	1.54	56.77
Carrot.....	12.2	0.11	80.3	0.17	6.58
Onion.....	487.44	4.58	39544.72	84.72	81.13
Potatoes.....	10062.46	94.58	4162.16	8.92	0.41
Other root crops	64.06	0.6	2171.46	4.65	
Cotton	28851.52	59.63	322332.12	54.93	11.17

TABLE 1.1.2.2: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS. FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... All Farms ✓

Tigray

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	124556.23		437144.49		
Grain Crops	95769.48	100	364767.81	100	
Cereals.....	62465.83	65.23	218057.81	59.78	
Teff.....	119.7	0.12	619	0.17	5.17
Barley.....	21.75	0.02	154	0.04	7.08
Wheat.....	10012	10.45	175	0.05	0.02
Maize.....	22545.88	23.54	300.02	0.08	0.01
Sorghum.....	29766.5	31.08	216809.79	59.44	7.28
Pulses.....	41.4	0.04	192	0.05	
Chick-peas.....	29	0.03	120	0.03	4.14
Other Pulses	12.4	0.01	72	0.02	
Oilseeds.....	33262.25	34.73	146518	40.17	
Sesame.....	33262.25	34.73	146518	40.17	4.4
Vegetables.....	10083.59	100	2352.93	100	
Lettuce.....	59.17	0.59	925.13	39.32	15.64
Head Cabbage...	5003.31	49.62	437.5	18.59	0.09
Green peppers..	13.01	0.13	12.3	0.52	0.95
Swiss chard....	5001.85	49.6	537.5	22.84	0.11
Other Vegetables	6.25	0.06	440.5	18.72	
Root Crops.....	10038.16	100	413.75	100	
Onion.....	37.25	0.37	345.25	83.44	9.27
Potatoes.....	10000.37	99.62	33	7.98	0.33
Other root crops	0.54	0.01	35.5	8.58	
Cotton	8665	100	69610	100	8.03

TABLE 1.1.2.3: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... All Farms

Afar

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	16833.95		208991.63		
Grain Crops	426	100	12240	100	
Cereals.....	424	99.53	12210	99.75	
Maize.....	38	8.92	720	5.88	18.95
Sorghum.....	386	90.61	11490	93.87	29.77
Oilseeds.....	2	0.47	30	0.25	
Vegetables.....	3	100	304.45	100	
Root Crops.....	2	100	269.63	100	
Cotton	16402.95	100	196177.55	100	11.96

TABLE 1.1.2.3: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... All Farms

Amhara

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	21667.07		132073.54		
Grain Crops	20231.21	100	122149.57	100	
Cereals.....	13830.42	68.36	74364.9	60.88	
Teff.....	604.8	2.99	4415.46	3.61	7.3
Barley.....	69.81	0.35	579.66	0.47	8.3
Wheat.....	280.97	1.39	2555.77	2.09	9.1
Maize.....	6779.48	33.51	49083.9	40.18	7.24
Sorghum.....	5836.78	28.85	12955.38	10.61	2.22
Finger millet..	13.38	0.07	208.08	0.17	15.55
Rice.....	243.25	1.2	4548.15	3.72	18.7
Other Cereals	1.95	0.01	18.5	0.02	
Pulses.....	4944.99	24.44	21837.08	17.88	
Horse beans....	2576.29	12.73	463.49	0.38	0.18
Field peas.....	15.58	0.08	68.18	0.06	4.38
Haricot beans..	12.5	0.06	60.75	0.05	4.86
Chick-peas.....	167.8	0.83	899.17	0.74	5.36
Lentils.....	41.49	0.21	188.34	0.15	4.54
Vetch.....	42.39	0.21	273.04	0.22	6.44
Soya beans.....	2069.39	10.23	19788.83	16.2	9.56
Fenugreek.....	19.55	0.1	95.28	0.08	4.87
Oilseeds.....	1455.8	7.2	25947.59	21.24	
Neug.....	103.32	0.51	302.01	0.25	2.92
Sesame.....	1347.35	6.66	25629.52	20.98	19.02
Other Oil seeds	5.13	0.03	16.06	0.01	
Vegetables.....	268.76	100	2460.32	100	
Tomatoes.....	15.55	5.79	1178.83	47.91	75.81
Red peppers....	243.6	90.64	883.67	35.92	3.63
Other Vegetables	9.61	3.58	397.82	16.17	
Root Crops.....	56.1	100	1769.65	100	
Carrot.....	12.2	21.75	80.3	4.54	6.58
Onion.....	35.57	63.4	1577.59	89.15	44.35
Other root crops	8.33	14.85	111.76	6.32	
Cotton	1111	96.67	5694	65.93	5.13

TABLE 11.2..4: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... All Farms

Oromia

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	87045.86		1555629		
Grain Crops	85314.57	100	1380236.5	100	
Cereals.....	76981.49	90.23	1314346.9	95.23	
Teff.....	617.44	0.72	3840.9	0.28	6.22
Barley.....	816.13	0.96	14119.94	1.02	17.3
Wheat.....	48508.76	56.86	860901.26	62.37	17.75
Maize.....	19646.21	23.03	425761.76	30.85	21.67
Sorghum.....	7362.33	8.63	9487.03	0.69	1.29
Finger millet..	30.62	0.04	235.99	0.02	7.71
Pulses.....	4018.01	4.71	36849.51	2.67	
Horse beans....	912.88	1.07	9169.19	0.66	10.04
Field peas.....	180.95	0.21	2174.86	0.16	12.02
Haricot beans..	933.05	1.09	10182.47	0.74	10.91
Chick-peas.....	34.3	0.04	149.75	0.01	4.37
Soya beans.....	1942.75	2.28	15099.86	1.09	7.77
Other Pulses	14.08	0.02	73.38	0.01	
Oilseeds.....	4315.07	5.06	29040.14	2.1	
Neug.....	984.52	1.15	664.16	0.05	0.67
Linseed.....	61.87	0.07	358.87	0.03	5.8
Groundnuts...	16.91	0.02	188.3	0.01	11.14
Sesame.....	1061.06	1.24	2695.99	0.2	2.54
Rapeseed.....	2183.64	2.56	25130.72	1.82	11.51
Other Oil seeds	7.07	0.01	2.1	0	
Vegetables.....	917.17	100	125229.3	100	
Head Cabbage...	44.09	4.81	5449.9	4.35	123.61
Tomatoes.....	647.21	70.57	117669.6	93.96	181.81
Green peppers..	61.45	6.7	934.47	0.75	15.21
Red peppers....	151.47	16.51	930.29	0.74	6.14
Other Vegetables	12.95	1.41	245.04	0.2	
Root Crops.....	445.84	100	38960.34	100	
Beetroot.....	12.69	2.85	720.43	1.85	56.77
Onion.....	393.44	88.25	35796.6	91.88	90.98
Potatoes.....	26.33	5.91	1814.46	4.66	68.91
Other root crops	13.38	3	628.85	1.61	
Cotton	368.28	2.02	11202.86	6.38	30.42

TABLE 1.1.2..5: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... All Farms

Somale

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	150.15		965.85		
Grain Crops	111.5	100	648	100	
Cereals.....	104.5	93.72	607	93.67	
Maize.....	32	28.7	189	29.17	5.91
Sorghum.....	67.5	60.54	349	53.86	5.17
Other Cereals	5	4.48	69	10.65	
Pulses.....	3	2.69	38	5.86	
Oilseeds.....	4	3.59	3	0.46	
Vegetables.....	21.4	100	171.35	100	
Tomatoes.....	10	46.73	86.6	50.54	8.66
Other Vegetables	11.4	53.27	84.75	49.46	
Root Crops.....	17.25	100	146.5	100	

TABLE 1.1.2..6: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... All Farms

Benshangul-Gumuz

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	3579.29		35741.7		
Grain Crops	3318.26	100	34371.2	100	
Cereals.....	1187.94	35.8	21764	63.32	
Teff.....	16.29	0.49	30.58	0.09	1.88
Maize.....	564.26	17	16746.75	48.72	29.68
Sorghum.....	602.34	18.15	4959.67	14.43	8.23
Other Cereals	5.05	0.15	27	0.08	
Pulses.....	925.18	27.88	8018.96	23.33	
Haricot beans..	14.16	0.43	25.83	0.08	1.82
Soya beans.....	910.02	27.42	7990.63	23.25	8.78
Other Pulses	1	0.03	2.5	0.01	
Oilseeds.....	1205.14	36.32	4588.24	13.35	
Neug.....	532.87	16.06	1973.04	5.74	3.7
Groundnuts...	28.07	0.85	129.5	0.38	4.61
Sesame.....	644.2	19.41	2485.7	7.23	3.86
Vegetables.....	31.03	100	170.5	100	
Red peppers....	31.03	100	170.5	100	5.49
Cotton	230	99.56	1200	99.92	5.22

TABLE 1.1.2.7: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... All Farms

(S.N.N.P.R)

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	7254.02		179212.01		
Grain Crops	5451.69	100	131944.32	100	
Cereals.....	4842.42	88.82	129112.37	97.85	
Teff.....	207.43	3.8	1043.45	0.79	5.03
Barley.....	12.96	0.24	93.07	0.07	7.18
Wheat.....	754.62	13.84	9555.33	7.24	12.66
Maize.....	3666.16	67.25	117601.77	89.13	32.08
Sorghum.....	183.25	3.36	766.75	0.58	4.18
Finger millet..	18	0.33	52	0.04	2.89
Pulses.....	401.87	7.37	2506.58	1.9	
Horse beans....	92.15	1.69	753.4	0.57	8.18
Field peas.....	15.08	0.28	91.76	0.07	6.08
Haricot beans..	139.31	2.56	1017.32	0.77	7.3
Chick-peas.....	155.33	2.85	644.1	0.49	4.15
Oilseeds.....	207.4	3.8	325.37	0.25	
Neug.....	62	1.14	180	0.14	2.9
Sesame.....	144.4	2.65	142.37	0.11	0.99
Other Oil seeds	1	0.02	3	0	
Vegetables.....	178.07	100	13662.51	100	
Tomatoes.....	80.1	44.98	12642.56	92.53	157.83
Red peppers....	88.5	49.7	742.1	5.43	8.39
Other Vegetables	9.47	5.32	277.85	2.03	
Root Crops.....	49.97	100	3443.47	100	
Onion.....	21.18	42.39	1825.28	53.01	86.18
Potatoes.....	20.73	41.48	1309.25	38.02	63.16
Other root crops	8.06	16.13	308.94	8.97	
Cotton	1574.29	48.63	30161.71	23.67	19.16

TABLE 1.1.2.8: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... All Farms

Gambela

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	529.25		8848.1		
Grain Crops	28.75	100	562.1	100	
Cereals.....	23.75	82.61	552	98.2	
Maize.....	23.25	80.87	547	97.31	23.53
Other Cereals	0.5	1.74	5	0.89	
Oilseeds.....	5	17.39	10.1	1.8	
Vegetables.....	0.5	100	0	0	
Cotton	500	100	8286	100	16.57

TABLE 1.1.2.9: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... All Farms

Addis Ababa

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	102.51		4378.06		
Grain Crops	38	100	242.56	100	
Cereals.....	23	60.53	190.56	78.56	
Teff.....	19–	50	162.56	67.02	8.56
Other Cereals	4	10.53	28	11.54	
Pulses.....	15	39.47	52	21.44	
Vegetables.....	34.98	100	2459.77	100	
Lettuce.....	12.1	34.59	583	23.7	48.18
Swiss chard....	11.45	32.73	807.45	32.83	70.52
Other Vegetables	11.43	32.68	1069.32	43.47	
Root Crops.....	29.53	100	1675.73	100	
Potatoes.....	15.03	50.9	1005.45	60	66.9
Other root crops	14.5	49.1	670.28	40	

TABLE 1.2.2.1: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... State Farms

Ethiopia

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	46413.78		1003482.9		
Grain Crops	31288.35	100	711619.67	100	
Cereals.....	28997.23	92.68	691346.3	97.15	
Teff.....	44.2	0.14	121.09	0.02	2.74
Barley.....	538.97	1.72	9091.55	1.28	16.87
Wheat.....	21920.1	70.06	478096.08	67.18	21.81
Maize.....	6493.96	20.76	204037.58	28.67	31.42
Pulses.....	1104.69	3.53	10019.37	1.41	
Horse beans....	756.04	2.42	6756.81	0.95	8.94
Haricot beans..	348.65	1.11	3262.56	0.46	9.36
Oilseeds.....	1186.43	3.79	10254	1.44	
Sesame.....	106	0.34	60.8	0.01	0.57
Rapeseed.....	1080.43	3.45	10193.2	1.43	9.43
Vegetables.....	551.68	100	103216.89	100	
Tomatoes.....	508.42	92.16	102067	98.89	200.75
Green peppers..	38.91	7.05	620.77	0.6	15.95
Other Vegetables	4.35	0.79	529.12	0.51	
Root Crops.....	239.78	100	20846.58	100	
Onion.....	234.78	97.91	20353.73	97.64	86.69
Other root crops	5	2.09	492.85	2.36	
Cotton	14333.97	47.41	167799.72	100	11.71

TABLE 1.2.2.2: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... State Farms

Afar

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	12317.45		125813.63	-	
Cereals.....	-	-	-	-	
Vegetables.....	3	100	304.45	100	
Root Crops.....	2	100	269.63	100	
Cotton	12312.45	100	125239.55	100	10.17

TABLE 1.2.2.3: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... State Farms

Oromia

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	30037.8		780423.83		
Grain Crops	28950.06	100	646271.58	100	
Cereals.....	26733.94	92.35	626638.61	96.96	
Barley.....	538.97	1.86	9091.55	1.41	16.87
Wheat.....	21920.1	75.72	478096.08	73.98	21.81
Maize.....	4274.87	14.77	139450.98	21.58	32.62
Pulses.....	1029.69	3.56	9378.97	1.45	
Horse beans....	681.04	2.35	6116.41	0.95	8.98
Haricot beans..	348.65	1.2	3262.56	0.5	9.36
Oilseeds.....	1186.43	4.1	10254	1.59	
Sesame.....	106	0.37	60.8	0.01	0.57
Rapeseed.....	1080.43	3.73	10193.2	1.58	9.43
Vegetables.....	548.68	100	102912.44	100	
Tomatoes.....	508.42	92.66	102067	99.18	200.75
Green peppers..	38.91	7.09	620.77	0.6	15.95
Other Vegetables	1.35	0.25	224.67	0.22	166.42
Root Crops.....	237.78	100	20576.95	100	
Onion.....	234.78	98.74	20353.73	98.92	86.69
Other root crops	3	1.26	223.22	1.08	74.41
Cotton	301.28	1.86	10662.86	100	35.39

TABLE 1.2.2.4 TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... State Farms

(S.N.N.P.R)

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	3908.53		95459.4		
Grain Crops	2338.29	100	65348.09	100	
Cereals.....	2263.29	96.79	64707.69	99.02	
Teff.....	44.2	1.89	121.09	0.19	2.74
Maize.....	2219.09	94.9	64586.6	98.83	29.1
Pulses.....	75	3.21	640.4	0.98	
Horse beans....	75	3.21	640.4	0.98	8.54
Cotton	1570.24	100	30111.31	100	19.18

TABLE 1.2.2.5 TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... State Farms

Gambela

CROPS	Area IN Hectares	%	Production Quintals	%	Yield QT/HA
ALL	150		1786		
Other Permanent	150	100	1786	100	
Cotton	150	100	1786	100	11.91

TABLE 1.3.2.1 TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... Commercial Farms

Ethiopia

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	171032.25		1172737.4		
Grain Crops	135609.46	100	985259.42	100	
Cereals.....	92755.19	68.4	753382.25	76.47	
Teff.....	791.19	0.58	5314.76	0.54	6.72
Barley.....	122.96	0.09	2148.07	0.22	17.47
Wheat.....	19846.92	14.64	221024.5	22.43	11.14
Maize.....	37996.82	28.02	266757.93	27.07	7.02
Sorghum.....	33727.75	24.87	253368.04	25.72	7.51
Finger millet..	13	0.01	45	0.00	3.46
Rice.....	235	0.17	4471.15	0.45	19.03
Other Cereals	21.55	0.02	252.8	0.03	
Pulses.....	5363.76	3.96	45126.86	4.58	
Horse beans....	62	0.05	1026	0.1	16.55
Field peas.....	115	0.08	1650	0.17	14.35
Haricot beans..	318.94	0.24	2143.56	0.22	6.72
Chick-peas.....	322.6	0.24	1525.1	0.15	4.73
Soya beans.....	4492.02	3.31	38523.9	3.91	8.58
Other Pulses	53.2	0.04	258.3	0.03	
Oilseeds.....	37490.51	27.65	186750.31	18.95	
Neug.....	916.35	0.68	2575.23	0.26	2.81
Linseed.....	52.5	0.04	272.64	0.03	5.19
Groundnuts...	28	0.02	128	0.01	4.57
Sesame.....	36093.95	26.62	177134.74	17.98	4.91
Rapeseed.....	379.21	0.28	6456.7	0.66	17.03
Other Oil seeds	20.5	0.02	183	0.02	
Vegetables.....	10720.69	100	22045.63	100	
Lettuce.....	12.1	0.11	583	2.64	48.18
Head Cabbage...	5003.31	46.67	435.5	1.98	0.09
Tomatoes.....	112.48	1.05	13176.44	59.77	117.14
Green peppers..	21.76	0.2	102.7	0.47	4.72
Red peppers....	507.54	4.73	2668.53	12.1	5.26
Swiss chard....	5013.3	46.76	1327.95	6.02	0.26
Other Vegetables	50.2	0.47	3751.51	17.02	
Root Crops.....	10184.55	100	10899.93	100	
Onion.....	129.17	1.27	8461.57	77.63	65.51
Potatoes.....	10015.4	98.34	1038.45	9.53	0.1
Other root crops	39.98	0.39	1399.91	12.84	
Cotton	14517.55	80.54	154532.4	38.6	10.64

TABLE 1.3.2.2 TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... Commercial Farms ✓

Tigray

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	124484.26		436971.56		
Grain Crops	95754.73	100	364650.81	100	
Cereals.....	62453.58	65.22	217951.81	59.77	
Teff.....	111.45	0.12	549	0.15	4.93
Barley.....	21.75	0.02	154	0.04	7.08
Wheat.....	10009	10.45	145	0.04	0.01
Maize.....	22544.88	23.54	294.02	0.08	0.01
Sorghum.....	29766.5	31.09	216809.79	59.46	7.28
Pulses.....	38.9	0.04	181	0.05	
Chick-peas.....	26.5	0.03	109	0.03	4.11
Other Pulses	12.4	0.01	72	0.02	
Oilseeds.....	33262.25	34.74	146518	40.18	
Sesame.....	33262.25	34.74	146518	40.18	4.4
Vegetables.....	10026.37	100	2312.75	100	
Head Cabbage...	5003.31	49.9	435.5	18.83	0.09
Green peppers..	12.91	0.13	9.7	0.42	0.75
Swiss chard....	5001.85	49.89	520.5	22.51	0.1
Other Vegetables	8.3	0.08	1347.05	58.24	
Root Crops.....	10038.16	100	398	100	
Onion.....	37.25	0.37	340	85.43	9.13
Potatoes.....	10000.37	99.62	33	8.29	0.00
Other root crops	0.54	0.01	25	6.28	
Cotton	8665	100	69610	100	8.03

TABLE 1.3.2.3 TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... Commercial Farms ✓

Afar

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	4516.5		83178		
Grain Crops	426	100	12240	100	
Cereals.....	424	99.53	12210	99.75	
Maize.....	38	8.92	720	5.88	18.95
Sorghum.....	386	90.61	11490	93.87	29.77
Oilseeds.....	2	0.47	30	0.25	
Cotton	4090.5	100	70938	100	17.34

TABLE 1.3.2.4 TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... Commercial Farms

Amhara

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	14393.51		125545.73		
Grain Crops	13001.15	100	115893.49	100	
Cereals.....	9366.03	72.04	69530.47	60	
Teff.....	290	2.23	2742.1	2.37	9.46
Barley.....	13.58	0.1	322.57	0.28	23.75
Wheat.....	88.92	0.68	975.5	0.84	10.97
Maize.....	6762.98	52.02	48851.6	42.15	7.22
Sorghum.....	1972.8	15.17	12142.75	10.48	6.16
Rice.....	235	1.81	4471.15	3.86	19.03
Other Cereals	2.75	0.02	24.8	0.02	
Pulses.....	2203.19	16.95	20531.13	17.72	
Haricot beans..	11	0.08	59	0.05	5.36
Chick-peas.....	113	0.87	649.5	0.56	5.75
Soya beans.....	2069.39	15.92	19788.83	17.08	9.56
Other Pulses	9.8	0.08	33.8	0.03	
Oilseeds.....	1431.93	11.01	25831.89	22.29	
Neug.....	87.78	0.68	205.87	0.18	2.35
Sesame.....	1344.1	10.34	25625.52	22.11	19.07
Other Oil seeds	0.05	0	0.5	0	
Vegetables.....	255.7	100	2317.74	100	
Tomatoes.....	11.69	4.57	1162.93	50.18	99.48
Red peppers....	241.6	94.49	854.92	36.89	3.54
Other Vegetables	2.41	0.94	299.89	12.94	
Root Crops.....	25.66	100	1640.5	100	
Onion.....	22.75	88.66	1560.07	95.1	68.57
Other root crops	2.91	11.34	80.43	4.9	
Cotton	1111	97.23	5694	73.1	5.13

TABLE 1.3.2.5: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... Commercial Farms

Oromia

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	21754.46		446882.1		
Grain Crops	21425.81	100	434242.38	100	
Cereals.....	17718.37	82.7	406679.2	93.65	
Teff.....	278.65	1.3	1440.1	0.33	5.17
Barley.....	87.63	0.41	1671.5	0.38	19.07
Wheat.....	9031.5	42.15	210725	48.53	23.33
Maize.....	7466.21	34.85	185227.1	42.66	24.81
Sorghum.....	853.38	3.98	7603.5	1.75	8.91
Other Cereals	1	0	12	0	
Pulses.....	2157.67	10.07	17835.92	4.11	
Horse beans....	62	0.29	1026	0.24	16.55
Field peas.....	110	0.51	1600	0.37	14.55
Haricot beans..	170.69	0.8	1399.56	0.32	8.2
Chick-peas.....	28.1	0.13	124.5	0.03	4.43
Soya beans.....	1775.63	8.29	13637.86	3.14	7.68
Other Pulses	11.25	0.05	48	0.01	
Oilseeds.....	1549.77	7.23	9727.26	2.24	
Neug.....	255.5	1.19	287.5	0.07	1.13
Linseed.....	52.5	0.25	272.64	0.06	5.19
Sesame.....	856.31	4	2587.42	0.6	3.02
Rapeseed.....	379.21	1.77	6456.7	1.49	17.03
Other Oil seeds	6.25	0.03	123	0.03	
Vegetables.....	197.28	100	5347.52	100	
Tomatoes.....	32.29	16.37	3497.51	65.4	108.32
Green peppers..	8.85	4.49	93	1.74	10.51
Red peppers....	146.44	74.23	903.51	16.9	6.17
Other Vegetables	9.7	4.92	853.5	15.96	
Root Crops.....	74.37	100	6752.2	100	
Onion.....	69.17	93.01	6561.5	97.18	94.86
Other root crops	5.2	6.99	190.7	2.82	
Cotton	67	3.39	540	0.33	8.06

TABLE 1.3.2.6: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... Commercial Farms

Somale

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	108.9		754.25		
Grain Crops	81	100	500	100	
Cereals.....	74	91.36	459	91.8	
Maize.....	17	20.99	94	18.8	5.53
Sorghum.....	53.5	66.05	313	62.6	5.85
Other Cereals	3.5	4.32	52	10.4	
Pulses.....	3	3.7	38	7.6	
Oilseeds.....	4	4.94	3	0.6	
Vegetables.....	15.65	100	144.75	100	
Root Crops.....	12.25	100	109.5	100	

TABLE 1.3.2.7: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... Commercial Farms

Benshangul-Gumuz

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	2949.99		30584.6		
Grain Crops	2918.99	100	30416.6	100	
Cereals.....	1087.63	37.26	20864.23	68.59	
Teff.....	11.09	0.38	8	0.03	0.72
Maize.....	545.17	18.68	16467.23	54.14	30.21
Sorghum.....	528.32	18.1	4374	14.38	8.28
Other Cereals	3.05	0.1	15	0.05	
Pulses.....	661	22.64	5118.71	16.83	
Haricot beans..	13	0.45	19	0.06	1.46
Soya beans.....	647	22.17	5097.21	16.76	7.88
Other Pulses	1	0.03	2.5	0.01	
Oilseeds.....	1170.36	40.09	4433.66	14.58	
Neug.....	511.07	17.51	1901.86	6.25	3.72
Groundnuts...	28	0.96	128	0.42	4.57
Sesame.....	631.29	21.63	2403.8	7.9	3.81
Vegetables.....	31	100	168	100	
Red peppers....	31	100	168	100	5.42

TABLE 1.3.2.8: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... Commercial Farms

(S.N.N.P.R)

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	2121.57		36617.68		
Grain Crops	1957.78	100	26998.58	100	
Cereals.....	1602.58	81.86	25421.98	94.16	
Teff.....	81	4.14	413	1.53	5.1
Wheat.....	717.5	36.65	9179	34	12.79
Maize.....	622.58	31.8	15103.98	55.94	24.26
Sorghum.....	167.25	8.54	635	2.35	3.8
Finger millet..	13	0.66	45	0.17	3.46
Other Cereals	1.25	0.06	46	0.17	
Pulses.....	285	14.56	1370.1	5.07	
Field peas.....	5	0.26	50	0.19	10
Haricot beans..	124.25	6.35	666	2.47	5.36
Chick-peas.....	155	7.92	642.1	2.38	4.14
Other Pulses	0.75	0.04	12	0.04	
Oilseeds.....	70.2	3.59	206.5	0.76	
Neug.....	62	3.17	180	0.67	2.9
Other Oil seeds	8.2	0.42	26.5	0.1	
Vegetables.....	159.21	100	9295.1	100	
Tomatoes.....	68.5	43.02	8516	91.62	124.32
Red peppers....	88.5	55.59	742.1	7.98	8.39
Other Vegetables	2.21	1.39	37	0.4	
Root Crops.....	4.58	100	324	100	

TABLE 1.3.2.9 TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... Commercial Farms

Gambela

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	6.5		75		
Grain Crops	6	100	75	100	
Cereals.....	6	100	75	100	
Vegetables.....	0.5	100	0	0	
Cotton	350	100	6500	100	18.57

TABLE 1.3.2.10 TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... Commercial Farms

Addis Ababa

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	102.51		4378.06	-	
Grain Crops	38	100	242.56	100	
Cereals.....	23	60.53	190.56	78.56	
Teff.....	19	50	162.56	67.02	8.56
Other Cereals	4	10.53	28	11.54	
Pulses.....	15	39.47	52	21.44	
Vegetables.....	34.98	100	2459.77	100	
Lettuce.....	12.1	34.59	583	23.7	48.18
Swiss chard....	11.45	32.73	807.45	32.83	70.52
Other Vegetables	11.43	32.68	1069.32	43.47	
Root Crops.....	29.53	100	1675.73	100	
Potatoes.....	15.03	50.9	1005.45	60	66.9
Other root crops	14.5	49.1	670.28	40	

TABLE 1.4.2.1 : TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... Other Farms

Ethiopia

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	44272.2		386744.42		
Grain Crops	43791.58	100	350281.5	100	
Cereals.....	38130.93	87.07	326477.95	93.2	
Teff.....	735.82	1.68	4583.52	1.31	6.23
Barley.....	257.47	0.59	3661.05	1.05	14.22
Wheat.....	17786.33	40.62	174036.78	49.68	9.78
Maize.....	8797.96	20.09	140078.69	39.99	15.92
Sorghum.....	10476.95	23.92	3449.58	0.98	0.33
Finger millet..	40.5	0.09	416.25	0.12	10.28
Other Cereals	35.9	0.08	252.08	0.07	
Pulses.....	3881	8.86	14346.92	4.1	
Horse beans....	2754.38	6.29	2565.47	0.73	0.93
Field peas.....	96.61	0.22	683.82	0.2	7.08
Haricot beans..	428.77	0.98	5871.67	1.68	13.69
Chick-peas.....	54.8	0.13	249.67	0.07	4.56
Lentils.....	41.49	0.09	188.34	0.05	4.54
Vetch.....	42.14	0.1	269.04	0.08	6.38
Soya beans.....	430.14	0.98	4355.42	1.24	10.13
Fenugreek.....	18.15	0.04	91.28	0.03	5.03
Other Pulses	14.52	0.03	72.21	0.02	
Oilseeds.....	1779.65	4.06	9456.63	2.7	
Neug.....	766.36	1.75	543.98	0.16	0.71
Groundnuts...	10.66	0.02	65.3	0.02	6.13
Sesame.....	247.86	0.57	245.54	0.07	0.99
Rapeseed.....	724	1.65	8480.82	2.42	11.71
Other Oil seeds	30.77	0.07	120.99	0.03	
Vegetables.....	266.1	100	21546.11	100	
Lettuce.....	57.02	21.43	11.08	0.05	0.19
Head Cabbage...	37.01	13.91	4563	21.18	123.29
Tomatoes.....	118.1	44.38	16231.65	75.33	137.44
Green peppers..	13.69	5.14	220.7	1.02	16.12
Other Vegetables	40.28	15.14	519.68	2.41	
Root Crops.....	214.52	100	14916.81	100	
Carrot.....	11.75	5.48	45.61	0.31	3.88
Onion.....	122.99	57.33	10717.17	71.85	87.14
Potatoes.....	42.43	19.78	2747.71	18.42	64.76
Other root crops	37.35	17.41	1406.32	9.43	

TABLE 1.4.2.2 TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... Other Farms

Tigray

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	71.97		157.18		
Grain Crops	14.75	100	117	100	
Cereals.....	12.25	83.05	106	90.6	
Pulses.....	2.5	16.95	11	9.4	
Vegetables.....	57.22	100	40.18	100	
Lettuce.....	57.02	99.65	11.08	27.58	0.19
Other Vegetables	0.2	0.35	29.1	72.42	

TABLE 1.4.2.3 TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... Other Farms

Amhara

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	7273.56		6527.81		
Grain Crops	7230.06	100	6256.08	100	
Cereals.....	4464.39	61.75	4835.41	77.29	
Teff.....	314.8	4.35	1673.36	26.75	5.32
Barley.....	56.23	0.78	257.09	4.11	4.57
Wheat.....	192.05	2.66	1580.27	25.26	8.23
Maize.....	16.5	0.23	232.3	3.71	14.08
Sorghum.....	3863.98	53.44	812.63	12.99	0.21
Finger millet..	10.88	0.15	192.26	3.07	17.67
Other Cereals	9.95	0.14	87.5	1.4	
Pulses.....	2741.8	37.92	1304.97	20.86	
Horse beans....	2568.14	35.52	437.69	7	0.17
Field peas.....	15.58	0.22	67.2	1.07	4.31
Chick-peas.....	54.8	0.76	249.67	3.99	4.56
Lentils.....	41.49	0.57	188.34	3.01	4.54
Vetch.....	42.14	0.58	269.04	4.3	6.38
Fenugreek.....	18.15	0.25	91.28	1.46	5.03
Other Pulses	1.5	0.02	1.75	0.03	
Oilseeds.....	23.87	0.33	115.7	1.85	
Neug.....	15.54	0.21	96.14	1.54	6.19
Other Oil seeds	8.33	0.12	19.56	0.31	
Vegetables.....	13.06	100	142.58	100	
Root Crops.....	30.44	100	129.15	100	
Carrot.....	11.75	38.6	45.61	35.32	3.88
Onion.....	12.82	42.12	17.52	13.57	1.37
Other root crops	5.87	19.28	66.02	51.12	

TABLE 1.4.2.4 TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... Other Farms

Oromia

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	35243.6		328323.1		
Grain Crops	34938.7	100	299722.57	100	
Cereals.....	32529.18	93.1	281029.07	93.76	
Teff.....	338.79	0.97	2400.8	0.8	7.09
Barley.....	189.53	0.54	3356.89	1.12	17.71
Wheat.....	17557.16	50.25	172080.18	57.41	9.8
Maize.....	7905.13	22.63	101083.68	33.73	12.79
Sorghum.....	6508.95	18.63	1883.53	0.63	0.29
Finger millet..	29.62	0.08	223.99	0.07	7.56
Pulses.....	830.65	2.38	9634.62	3.21	
Horse beans....	169.84	0.49	2026.78	0.68	11.93
Field peas.....	70.95	0.2	574.86	0.19	8.1
Haricot beans..	413.71	1.18	5520.35	1.84	13.34
Soya beans.....	167.12	0.48	1462	0.49	8.75
Other Pulses	9.03	0.03	50.63	0.02	
Oilseeds.....	1578.87	4.52	9058.88	3.02	
Neug.....	729.02	2.09	376.66	0.13	0.52
Groundnuts...	10.66	0.03	65.3	0.02	6.13
Sesame.....	98.75	0.28	47.77	0.02	0.48
Rapeseed.....	724	2.07	8480.82	2.83	11.71
Other Oil seeds	16.44	0.05	88.33	0.03	
Vegetables.....	171.21	100	16969.34	100	
Head Cabbage...	37.01	21.62	4563	26.89	123.29
Tomatoes.....	106.5	62.2	12105.09	71.34	113.66
Green peppers..	13.69	8	220.7	1.3	16.12
Other Vegetables	14.01	8.18	80.55	0.47	
Root Crops.....	133.69	100	11631.19	100	
Onion.....	89.49	66.94	8881.37	76.36	99.24
Potatoes.....	25.53	19.1	1750.46	15.05	68.56
Other root crops	18.67	13.97	999.36	8.59	

TABLE 1.4.2.5 TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... Other Farms

Somale

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	41.25		211.6		
Grain Crops	30.5	100	148	100	
Cereals.....	30.5	100	148	100	
Maize.....	15	49.18	95	64.19	6.33
Sorghum.....	14	45.9	36	24.32	2.57
Other Cereals	1.5	4.92	17	11.49	
Vegetables.....	5.75	100	26.6	100	
Root Crops.....	5	100	37	100	

TABLE 1.4.2.6 TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... Other Farms

Benshangul-Gumuz

Crop	Area in		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	399.2		3953.1		
Grain Crops	399.2	100	3953.1	100	
Cereals.....	100.31	25.13	899.77	22.76	
Maize.....	19.09	4.78	279.52	7.07	14.64
Sorghum.....	74.02	18.54	585.67	14.82	7.91
Other Cereals	7.2	1.8	34.58	0.87	
Pulses.....	264.18	66.18	2900.25	73.37	
Soya beans.....	263.02	65.89	2893.42	73.19	11
Other Pulses	1.16	0.29	6.83	0.17	
Oilseeds.....	34.71	8.69	153.08	3.87	
Neug.....	21.8	5.46	71.18	1.8	3.27
Sesame.....	12.91	3.23	81.9	2.07	6.34

TABLE 1.4.2.7 TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... Other Farms

(S.N.N.P.R)

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	1219.87		47084.53		
Grain Crops	1155.62	100	39597.65	100	
Cereals.....	976.55	84.5	38982.7	98.45	
Teff.....	82.23	7.12	509.36	1.29	6.19
Barley.....	11.71	1.01	47.07	0.12	4.02
Wheat.....	37.12	3.21	376.33	0.95	10.14
Maize.....	824.49	71.35	37911.19	95.74	45.98
Sorghum.....	16	1.38	131.75	0.33	8.23
Other Cereals	5	0.43	7	0.02	
Pulses.....	41.87	3.62	496.08	1.25	
Horse beans....	16.4	1.42	101	0.26	6.16
Field peas.....	10.08	0.87	41.76	0.11	4.14
Haricot beans..	15.06	1.3	351.32	0.89	23.33
Other Pulses	0.33	0.03	2	0.01	
Oilseeds...	137.2	11.87	118.87	0.3	
Sesame.....	136.2	11.79	115.87	0.29	0.85
Other Oil seeds	1	0.09	3	0.01	
Vegetables.....	18.86	100	4367.41	100	
Tomatoes.....	11.6	61.51	4126.56	94.49	355.74
Other Vegetables	7.26	38.49	240.85	5.51	
Root Crops.....	45.39	100	3119.47	100	
Onion.....	20.68	45.56	1818.28	58.29	87.92
Potatoes.....	16.9	37.23	997.25	31.97	59.01
Other root crops	7.81	17.21	303.94	9.74	

TABLE 1.4.2.8 TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... Other Farms

Gambela

Crop	Area	IN	Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	22.75		487.1		
Grain Crops	22.75	100	487.1	100	
Cereals.....	17.75	78.02	477	97.93	
Maize.....	17.75	78.02	477	97.93	26.87
Oilseeds.....	5	21.98	10.1	2.07	

TABLE 1.1.2.1p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... All Farms

Ethiopia

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	49888.02		682771.3		
Fruit Crops	3396.66	100	210333.93	100	
Avocados	122.87	3.62	1340.52	0.64	10.91
Bananas	813.22	23.94	49471.63	23.52	60.83
Guavas	1352.38	39.81	515.99	0.25	0.38
Lemons	46.29	1.36	7386.79	3.51	159.58
Mangoes	257.8	7.59	25191.25	11.98	97.72
Oranges	593.79	17.48	108087.16	51.39	182.03
Papayas	129.62	3.82	15544.14	7.39	119.92
Pineapples	20.45	0.6	1306.62	0.62	63.89
Other Fruits	60.24	1.77	1489.83	0.71	
Stimulant Crops	26957.33	100	207934.27	100	
Chat	44.14	0.16	5841.43	21.31	132.34
Coffee	26877.93	99.71	157624.42	78.54	5.86
Other Stimulant	35.26	0.13	395.42	0.15	
Other Permanent	19534.03	100	264503.1	100	
Enset	40.33	0.08	637.75	0.11	15.81
Sugar Cane	17072.49	35.28	172690.2	29.43	10.12
Tea	2418	5	91143.25	15.53	37.69
Cotton	28851.52	59.63	322332.12	54.93	11.17
Other	3.21	0.01	31.9	0.01	9.94

TABLE 1.1.2.2p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... All Farms

Tigray

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	18619.13		1081.06		
Fruit Crops	1286.75	100	1066.07	100	
Guavas	1257.43	97.72	99.25	9.31	0.08
Oranges	12.11	0.94	74.67	7	6.17
Other Fruits	17.21	1.34	892.15	83.69	
Stimulant Crops	2.02	100	14.99	100	

TABLE 1.1.2.3p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... All Farms

Afar

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	505.05		33485.93		
Fruit Crops	504.05	100	33485.93	100	
Bananas	357.1	70.85	15246.18	45.53	42.69
Lemons	46.29	9.18	7386.54	22.06	159.57
Mangoes	19.8	3.93	138.45	0.41	6.99
Oranges	54.36	10.78	9084.43	27.13	167.12
Papayas	25	4.96	1630.33	4.87	65.21
Other Fruits	1.5	0.3	0	0	
Stimulant Crops	1	100	0	0	

TABLE 1.1.2.4p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... All Farms

Amhara

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	137.38		4759.69		
Fruit Crops	81.13	100	1714.51	100	
Bananas	15.11	18.62	34.64	2.02	2.29
Mangoes	14.21	17.52	56.32	3.28	3.96
Oranges	15.29	18.85	786.97	45.9	51.47
Papayas	25.19	31.05	776	45.26	30.81
Other Fruits	11.33	13.97	60.58	3.53	
Stimulant Crops	17.93	100	102.93	100	
Coffee	15.74	87.79	71.9	69.85	4.57
Other Stimulant	2.19	12.21	31.03	30.15	
Other Permanent	38.32	100	2942.25	100	
Sugar Cane	38.32	3.33	2942.25	34.07	76.78

TABLE 1.1.2.5p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON
2001/02 (1994 E.C.) ... All Farms

Oromia

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	29695.32		386827.39		
Fruit Crops	813.88	100	134829.86	100	
Avocados	60.9	7.48	1021.57	0.76	16.77
Bananas	45.24	5.56	2796.63	2.07	61.82
Guavas	57.02	7.01	302.54	0.22	5.31
Mangoes	130.79	16.07	24418.71	18.11	186.7
Oranges	460.34	56.56	93004.87	68.98	202.04
Papayas	55.8	6.86	13024.81	9.66	233.42
Other Fruits	3.79	0.47	260.73	0.19	
Stimulant Crops	10315.35	100	87737.62	100	
Chat	44.14	0.43	5473	6.24	123.99
Coffee	10266.4	99.53	82139.72	93.62	8
Other Stimulant	4.81	0.05	124.9	0.14	
Other Permanent	17829.53	100	164259.91	100	
Enset	20.64	0.11	387.25	0.22	18.76
Sugar Cane	16948.89	93.14	153129.41	87.27	9.03
Tea	860	4.73	10743.25	6.12	12.49

TABLE 1.1.2.6p TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON
2001/02 (1994 E.C.) ... All Farms

Somale

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	152.94		625.5		
Fruit Crops	134.09	100	441.5	100	
Guavas	37.93	28.29	114	25.82	3.01
Mangoes	56.13	41.86	65	14.72	1.16
Papayas	23.63	17.62	113	25.59	4.78
Other Fruits	16.4	12.23	149.5	33.86	
Stimulant Crops	17.85	100	174	100	
Other Permanent	1	100	10	100	
Other	1	100	10	100	10

TABLE 1.1.2.7p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... All Farms

Benshangul-Gumuz

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	279.77		1330.82		
Fruit Crops	37.61	100	1266.61	100	
Bananas	10.27	27.31	915.73	72.3	89.17
Guavas	-	-	-	-	-
Lemons	-	-	-	-	-
Mangoes	22.28	59.24	349.81	27.62	15.7
Other Fruits	5.06	13.45	0.62	0.05	
Stimulant Crops	11.15	100	63.21	100	
Coffee	10.1	90.58	59.21	93.67	5.86
Other Stimulant	1.05	9.42	4	6.33	
Other Permanent	1.01	100	1	100	
Cotton	230	99.56	1200	99.92	5.22
Other	1.01	0.44	1	0.08	

TABLE 1.1.2.8p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... All Farms

(S.N.N.P.R)

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	18650.52		205301.58		
Fruit Crops	539.15	100	37529.45	100	
Avocados	61.97	11.49	318.95	0.85	5.15
Bananas	385.5	71.5	30478.45	81.21	79.06
Mangoes	14.59	2.71	162.96	0.43	11.17
Oranges	51.69	9.59	5136.22	13.69	99.37
Pineapples	20.45	3.79	1306.62	3.48	63.89
Other Fruits	4.95	0.92	126.25	0.34	
Stimulant Crops	16448.4	100	70503.09	100	
Coffee	16442.06	99.96	70456.59	99.93	4.29
Other Stimulant	6.34	0.04	46.5	0.07	
Other Permanent	1662.97	100	97269.04	100	
Enset	19.69	0.61	250.5	0.2	12.72
Sugar Cane	85.28	2.63	16618.54	13.04	194.87
Tea	1558	48.13	80400	63.09	51.6

TABLE 1.1.2.9p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... All Farms

Gambela

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	143.63		4867		
Stimulant Crops	143.63	100	4867	100	
Coffee	143.63	100	4897	100	34.09

TABLE 1.1.2.10p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROP FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... All Farms

Addis Ababa

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	1.02		20.5		
Other Permanent	1.02	100	20.5	100	

TABLE 1.2.2.1p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... State Farms

Ethiopia

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	25050.69		210934.92		
Fruit Crops	1421.08	100	168481.7	100	
Bananas	639.64	45.01	24107.91	14.31	37.69
Guavas	55	3.87	289.5	0.17	5.26
Lemons	44.79	3.15	7386.54	4.38	164.91
Mangoes	102.33	7.2	20437.23	12.13	199.72
Oranges	482.73	33.97	100990.93	59.94	209.21
Papayas	65.48	4.61	12817.79	7.61	195.75
Pineapples	19.5	1.37	1201.12	0.71	61.6
Other Fruits	11.61	0.82	1250.68	0.74	
Stimulant Crops	7731.61	100	42453.22	100	
Coffee	7731.61	100	42453.22	100	5.49
Other Permanent	15898	100	0	100	
Sugar Cane	15898	52.59	0	0	0
Cotton	14333.97	47.41	167799.72	100	11.71

TABLE 1.2.2.2p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... State Farms ✓

Afar

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	492.05		33435.25		
Fruit Crops	492.05	100	33435.25	100	
Bananas	354.1	71.96	15197.7	45.45	42.92
Lemons	44.79	9.1	7386.54	22.09	164.91
Mangoes	18.8	3.82	136.25	0.41	7.25
Oranges	50.36	10.23	9084.43	27.17	180.39
Papayas	24	4.88	1630.33	4.88	67.93
Other Permanent	12312.45	100	125239.55	100	
Cotton	12312.45	100	125239.55	100	10.17

TABLE 1.2.2.3p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... State Farms

Oromia

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	17861.95		140336.48		
Fruit Crops	630.02	100	125521.26	100	
Bananas	11.19	1.78	694.17	0.55	62.03
Guavas	55	8.73	289.5	0.23	5.26
Mangoes	83.53	13.26	20300.98	16.17	243.04
Oranges	429.07	68.1	91840.5	73.17	214.05
Papayas	41.48	6.58	11187.46	8.91	269.71
Other Fruits	9.75	1.55	1208.65	0.96	
Stimulant Crops	1333.93	100	14815.22	100	
Coffee	1333.93	100	14815.22	100	11.11
Other Permanent	15898	100	0	100	
Sugar Cane	15898	98.14	0	0	0
Cotton	301.28	1.86	10662.86	100	35.39

TABLE 1.2.2.4p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... State Farms

(S.N.N.P.R)

PERMANENT CROPS	Area IN Hectares	%	Production Quintals	%	Yield QT/HA
ALL	6696.69		37163.19		
Fruit Crops	299.01	100	9525.19	100	
Bananas	274.35	91.75	8216.04	86.26	29.95
Oranges	3.3	1.1	66	0.69	20
Pineapples	19.5	6.52	1201.12	12.61	61.6
Other Fruits	1.86	0.62	42.03	0.44	
Stimulant Crops	6397.68	100	27638	100	
Coffee	6397.68	100	27638	100	4.32
Other Permanent	1570.24	100	30111.31	100	
Cotton	1570.24	100	30111.31	100	19.18

TABLE 1.2.2.5p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

Gambela

PERMANENT CROPS	Area IN Hectares	%	Production Quintals	%	Yield QT/HA
ALL	150		1786		
Other Permanent	150	100	1786	100	
Cotton	150	100	1786	100	11.91

TABLE 1.3.2.1p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... Commercial Farms

Ethiopia

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	16066.92		361309.78		
Fruit Crops	1595.73	100	6032.95	100	
Avocados	40.42	2.53	241.7	4.01	5.98
Bananas	40.85	2.56	1576.29	26.13	38.59
Guavas	1284.8	80.51	159.04	2.64	0.12
Mangoes	87.04	5.45	224.32	3.72	2.58
Papayas	41.14	2.58	849	14.07	20.64
Other Fruits	101.48	6.36	2982.6	49.44	
Stimulant Crops	10963.19	100	109507.88	100	
Chat	19.01	0.17	409.43	0.36	21.54
Coffee	10903.83	99.46	108824.11	99.39	9.98
Other Stimulant	40.35	0.37	274.34	0.24	
Other Permanent	3508	100	245768.95	100	
Sugar Cane	1076.99	5.97	154564.5	38.61	143.52
Tea	2418	13.41	91143.25	22.77	37.69
Cotton	14517.55	80.54	154532.4	38.6	10.64
Other	13.01	0.07	61.2	0.02	

TABLE 1.3.2.2p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... Commercial Farms

Tigray

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	1276.43		913.96		
Fruit Crops	1274.88	100	899.01	100	
Guavas	1255.45	98.48	86.04	9.57	0.07
Other Fruits	19.43	1.52	812.97	90.43	
Stimulant Crops	1.55	100	14.95	100	
Other Permanent	8665	100	69610	100	
Cotton	8665	100	69610	100	8.03

TABLE 1.3.2.3p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... Commercial Farms

Afar

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	13		50.68		
Fruit Crops	12	100	50.68	100	
Stimulant Crops	1	100	-	-	—
Other Permanent	4090.5	100	70938	100	
Cotton	4090.5	100	70938	100	17.34

TABLE 1.3.2.4p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... Commercial Farms

Amhara

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	110.83		3210.2		
Fruit Crops	69.51	100	1091.76	100	
Bananas	13.85	19.93	16.04	1.47	1.16
Mangoes	13.37	19.23	51.32	4.7	3.84
Papayas	23.34	33.58	753	68.97	32.26
Other Fruits	18.95	27.26	271.4	24.86	
Stimulant Crops	9.69	100	23.44	100	
Other Permanent	31.63	100	2095	100	
Sugar Cane	31.63	2.77	2095	26.9	66.23
Cotton	1111	97.23	5694	73.1	5.13

TABLE 1.3.2.5p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... Commercial Farms

Oromia

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	9320.34		226708.84		
Fruit Crops	61.77	100	3092.85	100	
Avocados	18.42	29.82	7.5	0.24	0.41
Bananas	15.72	25.45	1308.8	42.32	83.26
Mangoes	11.31	18.31	94	3.04	8.31
Other Fruits	16.32	26.42	1682.55	54.4	
Stimulant Crops	7348.36	100	60401.24	100	
Chat	19.01	0.26	409.43	0.68	21.54
Coffee	7327.4	99.71	59966.81	99.28	8.18
Other Stimulant	1.95	0.03	25	0.04	
Other Permanent	1910.21	100	163214.75	100	
Sugar Cane	1045.36	52.87	151929.5	93.11	145.85
Tea	860	43.5	10743.25	6.56	12.49
Cotton	67	3.39	540	0.33	8.06
Other	4.85	0.25	2	0.00	

TABLE 1.3.2.6p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... Commercial Farms

Somali

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	120.6		383.5		
Fruit Crops	108	100	232.5	100	
Guavas	29.35	27.18	73	31.4	2.49
Mangoes	50.3	46.57	48	20.65	0.95
Papayas	17.8	16.48	96	41.29	5.39
Other Fruits	10.55	9.77	15.5	6.67	
Stimulant Crops	12.6	100	151	100	11.98

TABLE 1.3.2.7p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... Commercial Farms

Benshangul-Gumuz

PERMANENT CROPS	Area IN Hectares	%	Production Quintals	%	Yield QT/HA
ALL	33.17		109.5		
Fruit Crops	23.11	100	54.5	100	
Mangoes	12.06	52.19	31	56.88	2.57
Other Fruits	11.05	47.81	23.5	43.12	
Stimulant Crops	9.06	100	55	100	
Other Permanent	1	100	-	100	
Other	1	0.43	-	-	

TABLE 1.3.2.8p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... Commercial Farms

(S.N.N.P.R)

PERMANENT CROPS	Area IN Hectares	%	Production Quintals	%	Yield QT/HA
ALL	5047.9		83959.48		
Fruit Crops	46.46	100	611.65	100	
Avocados	22	47.35	234.2	38.29	10.65
Bananas	11.28	24.28	251.45	41.11	22.29
Other Fruits	13.18	28.37	126	20.6	
Stimulant Crops	3437.3	100	2909.13	100	
Coffee	3432.8	99.87	2904.18	99.83	0.85
Other Stimulant	4.5	0.13	4.95	0.17	
Other Permanent	1564.14	100	80438.7	100	
Tea	1558	99.35	80349.6	99.89	51.6
Other	6.14	0.39	38.7	0.05	6.3

TABLE 1.3.2.9p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... Commercial Farms

Gambela

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	143.63		1880.12		
Stimulant Crops	143.63	100	1880.12	100	
Coffee	143.63	100	1880.12	100	13.09
Other Permanent	350	100	6500	100	
Cotton	350	100	6500	100	18.57

TABLE 1.4.2.1p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... Other Farms

Ethiopia

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	8769.75		102619.48		
Fruit Crops	379.85	100	35819.28	100	
Avocados	74.29	19.56	124.48	0.35	1.68
Bananas	118.2	31.12	22804.62	63.67	192.93
Mangoes	47.01	12.38	4347.54	12.14	92.48
Oranges	72.73	19.15	5704.19	15.92	78.43
Other Fruits	67.62	17.8	2838.45	7.92	
Stimulant Crops	8262.06	100	48067.45	100	
Chat	25.13	0.3	543.2	53.34	21.62
Coffee	8216.65	99.45	47272.1	46.42	5.75
Other Stimulant	20.28	0.25	252.15	0.25	
Other Permanent	127.84	100	18732.75	100	
Enset	30.65	23.98	599.75	3.2	19.57
Sugar Cane	96.19	75.24	18123	96.75	188.41
Other	1	0.78	10	0.05	

TABLE 1.4.2.2p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) ... Other Farms

Tigray

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	11.87		167.06		
Fruit Crops	11.87	100	167.06		

TABLE 1.4.2.3p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON
2001/02 (1994 E.C.) ... Other Farms

Amhara

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	26.55		1470		
Fruit Crops	11.62	100	622.75	100	
Mangoes	0.84	7.23	5	0.8	5.95
Other Fruits	10.78	92.77	617.75	99.2	
Stimulant Crops	8.24	100	79.49	100	
Other Permanent	6.69	100	847.25	100	
Sugar Cane	6.69	100	847.25	100	126.64

TABLE 1.4.2.4p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON
2001/02 (1994 E.C.) ... Other Farms

Oromia

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	1776.47		20150.5		
Fruit Crops	122.09	100	6215.75	100	
Avocados	35.04	28.7	61.85	1	1.77
Bananas	18.33	15.01	793.66	12.77	43.3
Mangoes	35.95	29.45	4023.73	64.73	111.93
Oranges	24.34	19.94	633.97	10.2	26.05
Other Fruits	8.43	6.9	702.54	11.3	
Stimulant Crops	1633.06	100	12889.59	100	
Chat	25.13	1.54	543.2	87.93	21.62
Coffee	1605.07	98.29	7357.69	11.91	4.58
Other Stimulant	2.86	0.18	99.9	0.16	
Other Permanent	21.32	100	1045.16	100	
Enset	15.79	74.06	385.25	36.86	24.4
Sugar Cane	5.53	25.94	659.91	63.14	119.33

TABLE 1.4.2.5p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON
2001/02 (1994 E.C.) ... Other Farms

Somale

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	32.34		242		
Fruit Crops	26.09	100	209	100	
Stimulant Crops	5.25	100	23	100	
Other Permanent	1	100	10	100	

TABLE 1.4.2.6p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON
2001/02 (1994 E.C.) ... Other Farms

Benshangul-Gumuz

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	16.59		1220.32		
Fruit Crops	14.5	100	1212.11	100	
Mangoes	10.22	70.48	318.81	26.3	31.19
Other Fruits	4.28	29.52	893.3	73.7	
Stimulant Crops	2.09	100	8.21	100	

TABLE 1.4.2.7p: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF PERMANENT CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON
2001/02 (1994 E.C.) ... Other Farms

(S.N.N.P.R)

PERMANENT CROPS	Area IN Hectares	%	Production IN Quintals	%	Yield QT/HA
ALL	6905.93		84178.91		
Fruit Crops	193.68	100	27392.61	100	
Avocados	39.25	20.27	62.63	0.23	1.6
Bananas	99.87	51.56	22010.96	80.35	220.4
Oranges	48.39	24.98	5070.22	18.51	104.78
Other Fruits	6.17	3.19	248.8	0.91	
Stimulant Crops	6613.42	100	39955.96	100	
Coffee	6611.58	99.97	39914.41	99.9	6.04
Other Stimulant	1.84	0.03	41.55	0.1	
Other Permanent	98.83	100	16830.34	100	
Enset	14.86	15.04	214.5	1.27	14.43
Sugar Cane	83.97	84.96	16615.84	98.73	197.88

TABLE 1.1.3.1: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... All Farms

Ethiopia

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	51307.29		53379.96	0	
Grain Crops	19069.51	100	17508.17	100	
Cereals.....	18977.95	99.52	16971.85	96.94	
Teff.....	129.91	0.68	404.65	2.31	3.11
Barley.....	25.78	0.14	131.85	0.75	5.11
Maize.....	18761.71	98.39	15974.75	91.24	0.85
Sorghum.....	30.25	0.16	182	1.04	6.02
Other Cereals	30.3	0.16	278.6	1.59	
Pulses.....	91.3	0.48	535.32	3.06	
Haricot beans..	59.08	0.31	365.62	2.09	6.19
Other Pulses.	32.22	0.17	169.7	0.97	
Oilseeds.....	0.26	-	1	0.01	
Other Oil seeds	0.26	-	1	0.01	
Vegetables.....	10495.09	100	11779	100	
Lettuce.....	37.67	0.36	1057.02	8.97	28.06
Head Cabbage...	5028.13	47.91	528.47	4.49	0.11
Ethiopian Cabbage.....	16.31	0.16	322	2.73	19.74
Tomatoes.....	254.73	2.43	6618.71	56.19	25.98
Green peppers..	69.42	0.66	1400.02	11.89	20.17
Red peppers....	20	0.19	80	0.68	4
Swiss chard....	5021.62	47.85	197.71	1.68	0.04
Other Vegetables	47.21	0.45	1575.07	13.37	
Root Crops.....	21742.69	100	24092.79	100	
Carrot.....	31.54	0.15	25.97	0.11	0.82
Onion.....	259.56	1.19	18292.53	75.93	70.48
Potatoes.....	20019.78	92.08	2600.5	10.79	0.13
Garlic.....	165.52	0.76	12.25	0.05	0.07
Other root crops	1266.29	5.82	3161.54	13.12	

TABLE 1.1.3.2: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... All Farms

Tigray

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	48878.11		1216.72		
Grain Crops	17552.34	100	159.27	100	
Cereals.....	17552.34	100	159.27	100	
Teff.....	47.5	0.27	0		
Maize.....	17501.34	99.71	48.77	30.62	–
Other Cereals	3.5	0.02	110.5	69.38	
Vegetables.....	10070.23	100	815.2	100	
Lettuce.....	25.5	0.25	27	3.31	1.06
Head Cabbage...	5017.47	49.82	276.72	33.95	0.06
Swiss chard....	5021.62	49.87	197.71	24.25	0.04
Other Vegetables	5.64	0.06	313.77	38.49	
Root Crops.....	21255.54	100	242.25	100	
Carrot.....	20.55	0.1	11	4.54	0.54
Onion.....	33.76	0.16	141.25	58.31	4.18
Potatoes.....	20000.22	94.09	46	18.99	–
Other root crops	1201.01	5.65	44	18.16	

TABLE 1.1.3.3: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... All Farms

Amhara

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	508.01		11373.54		
Grain Crops	322.88	100	3402.5	100	
Cereals.....	300.42	93.04	3247.85	95.45	
Teff.....	40	12.39	203	5.97	5.08
Barley.....	25.78	7.98	131.85	3.88	5.11
Maize.....	230.45	71.37	2890	84.94	12.54
Other Cereals	4.19	1.3	23	0.68	
Pulses.....	22.21	6.88	154.15	4.53	
Other Pulses		22.21	6.88	154.15	4.53
Oilseeds.....	0.25	0.08	0.5	0.01	
Other Oil seeds	0.25	0.08	0.5	0.01	
Vegetables.....	108.71	100	3687.63	100	
Head Cabbage...	10.66	9.81	251.75	6.83	23.62
Tomatoes.....	82.42	75.82	3157.44	85.62	38.31
Other Vegetables	15.63	14.38	278.44	7.55	
Root Crops.....	76.42	100	4283.41	100	
Onion.....	53.12	69.51	3496.38	81.63	65.82
Other root crops	23.3	30.49	787.03	18.37	

TABLE 1.1.3.4: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... All Farms

Oromiya

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	1193.24		29362.25		
Grain Crops	839.14	100	9386.3	100	
Cereals.....	811.95	96.76	9270.75	98.77	
Teff.....	15.66	1.87	39.65	0.42	2.53
Maize.....	780.43	93	9112.6	97.08	11.68
Other Cereals	15.86	1.89	118.5	1.26	
Pulses.....	27.18	3.24	115.05	1.23	
Haricot beans..	24.67	2.94	104.5	1.11	4.24
Other Pulses ·		2.51	0.3	10.55	0.11
Oilseeds.....	0.01	-	0.5	0.01	
Other Oil seeds	0.01	-	0.5	0.01	
Vegetables.....	195.28	100	4963.12	100	
Tomatoes.....	161.25	82.57	3411.16	68.73	21.15
Green peppers..	25.17	12.89	1389.9	28	55.22
Other Vegetables	8.86	4.54	162.06	3.27	
Root Crops.....	158.82	100	15012.83	100	
Onion.....	145.33	91.51	14626.05	97.42	100.64
Other root crops	13.49	8.49	386.78	2.58	

TABLE 1.1.3.5: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... All Farms

Somali

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	146.6		3343.78		
Grain Crops	132.9	100	2560.88	100	
Cereals.....	125.65	94.54	2558.88	99.92	
Maize.....	125.65	94.54	2558.88	99.92	20.37
Pulses.....	7.25	5.46	2	0.08	
Vegetables.....	8.3	100	146.9	100	
Root Crops.....	5.4	100	636	100	

TABLE 1.1.3.6: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... All Farms

Benshangul-Gumuz

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	67.1		792.2		
Grain Crops	41.5	100	280	100	
Cereals.....	41.5	100	280	100	
Maize.....	41.5	100	280	100	6.75
Vegetables.....	22.68	100	225.2	100	
Red peppers....	20	88.18	80	35.52	4
Other Vegetables	2.68	11.82	145.2	64.48	
Root Crops.....	2.92	100	287	100	

TABLE 1.1.3.8: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... All Farms

(S.N.N.P.R)

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	472.26		4592.45		
Grain Crops	178.25	100	1704.22	100	
Cereals.....	143.59	80.56	1440.1	84.5	
Teff.....	26.75	15.01	162	9.51	6.06
Maize.....	82.34	46.19	1084.5	63.64	13.17
Sorghum.....	30.25	16.97	182	10.68	6.02
Other Cereals	4.25	2.38	11.6	0.68	
Pulses.....	34.66	19.44	264.12	15.5	
Haricot beans..	34.41	19.3	261.12	15.32	7.59
Other Pulses	0.25	0.14	3	0.18	
Vegetables.....	58.66	100	103.93	100	
Tomatoes.....	11.06	18.85	50.11	48.22	4.53
Green peppers..	44.25	75.43	10.12	9.74	0.23
Other Vegetables	3.35	5.71	43.7	42.05	
Root Crops.....	235.35	100	2784.3	100	
Carrot.....	10.99	4.67	14.97	0.54	1.36
Onion.....	27.35	11.62	28.85	1.04	1.05
Potatoes.....	19.56	8.31	2554.5	91.75	130.6
Garlic.....	165.52	70.33	12.25	0.44	0.07
Other root crops	11.93	5.07	173.73	6.24	

TABLE 1.1.3.9: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... All Farms

Gambela

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	2.5		15		
Grain Crops	2.5	100	15	100	
Cereals.....	2.5	100	15	100	

TABLE 1.1.3.10: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... All Farms

Addis Ababa

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	39.47		2684.02		
Vegetables.....	31.23	100	1837.02	100	
Lettuce.....	12.17	38.97	1030.02	56.07	84.64
Ethiopian Cabbage.....	16.31	52.23	322	17.53	19.74
Other Vegetables	2.75	8.81	485	26.4	
Root Crops.....	8.24	100	847	100	

TABLE 1.2.3.1: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... State Farms

Ethiopia

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	133.97		5548.25		
Grain Crops	70.9	100	3824.5	100	
Cereals.....	70.9	100	3824.5	100	
Maize.....	67.9	95.77	3758.5	98.27	55.35
Other Cereals	3	4.23	66	1.73	
Vegetables.....	25	100	917	100	
Tomatoes.....	23.51	94.04	813	88.66	34.58
Other Vegetables	1.49	5.96	104	11.34	
Root Crops.....	38.07	100	806.75	100	
Onion.....	37.96	99.71	796.75	98.76	20.99
Other root crops	0.11	0.29	10	1.24	

TABLE 1.2.3.2: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... State Farms

Oromia

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	131.97		5488.25		
Grain Crops	68.9	100	3764.5	100	
Cereals.....	68.9	100	3764.5	100	
Maize.....	67.9	98.55	3758.5	99.84	55.35
Other Cereals	1	1.45	6	0.16	
Vegetables.....	25	100	917	100	
Tomatoes.....	23.51	94.04	813	88.66	34.58
Other Vegetables	1.49	5.96	104	11.34	
Root Crops.....	38.07	100	806.75	100	
Onion.....	37.96	99.71	796.75	98.76	20.99
Other root crops	0.11	0.29	10	1.24	

TABLE 1.2.3.3: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... State Farms

(S.N.N.P.R)

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	2		60	0	
Grain Crops	2	100	60	100	
Cereals.....	2	100	60	100	

TABLE 1.3.3.1: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... Commercial Farms

Ethiopia

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	49707.06		27827.69		
Grain Crops	17996.64	100	4792.57	100	
Cereals.....	17979.67	99.91	4648.92	97	
Teff.....	87	0.48	200	4.17	2.3
Maize.....	17845.67	99.16	4037.12	84.24	0.23
Sorghum.....	30	0.17	180	3.76	6
Other Cereals	17	0.09	231.8	4.84	
Pulses.....	16.72	0.09	143.15	2.99	
Haricot beans..	10	0.06	30	0.63	3
Other Pulses	6.72	0.04	113.15	2.36	
Oilseeds.....	0.25	-	0.5	0.01	
Other Oil seeds	0.25	-	0.5	0.01	
Vegetables.....	10311.14	100	9260.12	100	
Lettuce.....	37.67	0.37	1057.02	11.41	28.06
Head Cabbage...	5024.65	48.73	394.72	4.26	0.08
Ethiopian Cabbage.....	16.31	0.16	322	3.48	19.74
Tomatoes.....	145.99	1.42	4813.9	51.99	32.97
Green peppers..	13.05	0.13	1083.9	11.71	83.06
Red peppers....	20	0.19	80	0.86	4
Swiss chard....	5021.47	48.7	193.71	2.09	0.04
Other Vegetables	32	0.31	1314.87	14.2	
Root Crops.....	21399.28	100	13775	100	
Carrot.....	20.3	0.09	3	0.02	0.15
Onion.....	150.06	0.7	12445.75	90.35	82.94
Potatoes.....	20000.12	93.46	45	0.33	-
Other root crops	1228.8	5.74	1281.25	9.3	

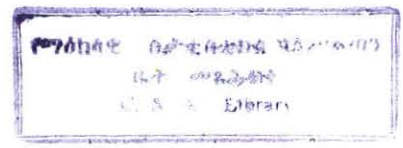


TABLE 1.3.3.2: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... Commercial Farms

Tigray

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	48874.79		1139.47		
Grain Crops	17551.87	100	130.77	100	
Cereals.....	17551.87	100	130.77	100	
Teff.....	47.5	0.27	0		0
Maize.....	17500.87	99.71	20.27	15.5	-
Other Cereals	3.5	0.02	110.5	84.5	
Vegetables.....	10069.39	100	794.45	100	
Lettuce.....	25.5	0.25	27	3.4	1.06
Head Cabbage...	5017.41	49.83	274.72	34.58	0.05
Swiss chard....	5021.47	49.87	193.71	24.38	0.04
Other Vegetables	5.01	0.05	299.02	37.64	
Root Crops.....	21253.53	100	214.25	100	
Carrot.....	20.3	0.1	3	1.4	0.15
Onion.....	32.93	0.15	131.25	61.26	3.99
Potatoes.....	20000.12	94.1	45	21	-
Other root crops	1200.18	5.65	35	16.34	

TABLE 1.3.3.3: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... Commercial Farms

Amhara

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	411.51		9652.95		
Grain Crops	260.67	100	2819.45	100	
Cereals.....	257.2	98.67	2741.8	97.25	
Teff.....	39.5	15.15	200	7.09	5.06
Maize.....	216.2	82.94	2535.5	89.93	11.73
Other Cereals	1.5	0.58	6.3	0.22	
Pulses.....	3.22	1.24	77.15	2.74	
Other Pulses	3.22	1.24	77.15	2.74	
Oilseeds.....	0.25	0.1	0.5	0.02	
Other Oil seeds	0.25	0.1	0.5	0.02	
Vegetables.....	100.14	100	3396.25	100	
Head Cabbage...	7.24	7.23	120	3.53	16.57
Tomatoes.....	81.44	81.33	3086	90.86	37.89
Other Vegetables	11.46	11.44	190.25	5.6	
Root Crops.....	50.7	100	3437.25	100	
Onion.....	44.05	86.88	3242	94.32	73.6
Other root crops	6.65	13.12	195.25	5.68	

TABLE 1.3.3.4: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... Commercial Farms

Oromia

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	251.29		13365.25	0	
Grain Crops	86.1	100	1314.35	100	
Cereals.....	75.6	87.8	1280.35	97.41	
Maize.....	75.6	87.8	1280.35	97.41	16.94
Pulses.....	10.5	12.2	34	2.59	
Haricot beans..	10	11.61	30	2.28	3
Other Pulses	0.5	0.58	4	0.3	
Vegetables.....	85.25	100	2941.4	100	
Tomatoes.....	64.55	75.72	1727.9	58.74	26.77
Green peppers..	13.05	15.31	1083.9	36.85	83.06
Other Vegetables	7.65	8.97	129.6	4.41	
Root Crops.....	79.94	100	9109.5	100	
Onion.....	73.08	91.42	9072.5	99.59	124.14
Other root crops	6.86	8.58	37	0.41	

TABLE 1.3.3.5: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... Commercial Farms

Somale

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	33.9		185		
Grain Crops	33	100	80	100	
Cereals.....	33	100	80	100	
Maize.....	33	100	80	100	2.42
Vegetables.....	0.6	100	101	100	
Root Crops.....	0.3	100	4	100	

TABLE 1.3.3.6: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... Commercial Farms

Benshangul-Gumuz

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	24.1		368		
Grain Crops	1.5	100	80	100	
Cereals.....	1.5	100	80	100	
Vegetables.....	21.4	100	162	100	
Red peppers....	20	93.46	80	49.38	4
Other Vegetables	1.4	6.54	82	50.62	
Root Crops.....	1.2	100	126	100	

TABLE 1.3.3.7: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... Commercial Farms

(S.N.N.P.R)

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	69.5		418		
Grain Crops	61	100	353	100	
Cereals.....	58	95.08	321	90.93	
Maize.....	20	32.79	121	34.28	6.05
Sorghum.....	30	49.18	180	50.99	6
Other Cereals	8	13.11	20	5.67	
Pulses.....	3	4.92	32	9.07	
Vegetables.....	3.13	100	28	100	
Root Crops.....	5.37	100	37	100	

TABLE 1.3.3.8: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... Commercial Farms

Gambela

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	2.5		15		
Grain Crops	2.5	100	15	100	
Cereals.....	2.5	100	15	100	

TABLE 1.3.3.9: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... Commercial Farms

Addis Ababa

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	39.47		2684.02		
Vegetables.....	31.23	100	1837.02	100	
Lettuce.....	12.17	38.97	1030.02	56.07	84.64
Ethiopian Cabbage.....	16.31	52.23	322	17.53	19.74
Other Vegetables	2.75	8.81	485	26.4	
Root Crops.....	8.24	100	847	100	

TABLE 1.4.3.1: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... Other Farms

Ethiopia

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	1466.26		20004.02		
Grain Crops	1001.97	100	8891.1	100	
Cereals.....	927.38	92.56	8498.43	95.58	
Teff.....	33.41	3.33	175.65	1.98	5.26
Barley.....	24.28	2.42	125.55	1.41	5.17
Maize.....	844.17	84.25	8010.63	90.1	9.49
Other Cereals	25.52	2.55	186.6	2.1	
Pulses.....	74.58	7.44	392.17	4.41	
Haricot beans..	14.67	1.46	74.5	0.84	5.08
Other Pulses	59.91	5.98	317.67	3.57	
Oilseeds.....	0.01	~	0.5	0.01	
Vegetables.....	158.95	100	1601.88	100	
Tomatoes.....	83.5	52.53	896.37	55.96	10.73
Green peppers..	54.63	34.37	212.12	13.24	3.88
Other Vegetables	20.82	13.1	493.39	30.8	
Root Crops.....	305.34	100	9511.04	100	
Carrot.....	10.99	3.6	14.97	0.16	1.36
Onion.....	61.27	20.07	4776.65	50.22	77.96
Potatoes.....	14.56	4.77	2526.5	26.56	173.52
Garlic.....	165.52	54.21	12.25	0.13	0.07
Other root crops	53	17.36	2180.67	22.93	

TABLE 1.4.3.2: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... Other Farms

Tigray

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	3.32		77.25		
Grain Crops	0.47	100	28.5	100	
Cereals.....	0.47	100	28.5	100	
Vegetables.....	0.84	100	20.75	100	
Root Crops.....	2.01	100	28	100	

TABLE 1.4.3.3: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... Other Farms

Amhara

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	96.5		1720.59		
Grain Crops	62.21	100	583.05	100	
Cereals.....	43.22	69.47	506.05	86.79	
Barley.....	24.28	39.03	125.55	21.53	5.17
Maize.....	14.25	22.91	354.5	60.8	24.88
Other Cereals	4.69	7.54	26	4.46	
Pulses.....	18.99	30.53	77	13.21	
Vegetables.....	8.57	100	291.38	100	
Root Crops.....	25.72	100	846.16	100	

TABLE 1.4.3.4: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... Other Farms

Oromia

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	809.98		10508.75		
Grain Crops	684.14	100	4307.45	100	
Cereals.....	667.45	97.56	4225.9	98.11	
Teff.....	14.66	2.14	33.65	0.78	2.3
Maize.....	636.93	93.1	4073.75	94.57	6.4
Other Cereals	15.86	2.32	118.5	2.75	
Pulses.....	16.68	2.44	81.05	1.88	
Haricot beans..	14.67	2.14	74.5	1.73	5.08
Other Pulses	2.01	0.29	6.55	0.15	
Oilseeds.....	0.01	-	0.5	0.01	
Other Oil seeds	0.01	-	0.5	0.01	
Vegetables.....	85.03	100	1104.72	100	
Tomatoes.....	73.19	86.08	870.26	78.78	11.89
Green peppers..	10.63	12.5	202	18.29	19
Other Vegetables	1.21	1.42	32.46	2.94	
Root Crops.....	40.81	100	5096.58	100	
Onion.....	34.29	84.02	4756.8	93.33	138.72
Other root crops	6.52	15.98	339.78	6.67	

TABLE 1.4.3.5: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... Other Farms

Somale

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	112.7		3158.78		
Grain Crops	99.9	100	2480.88	100	
Cereals.....	92.65	92.74	2478.88	99.92	
Maize.....	92.65	92.74	2478.88	99.92	26.76
Pulses.....	7.25	7.26	2	0.08	
Vegetables.....	7.7	100	45.9	100	
Root Crops.....	5.1	100	632	100	

TABLE 1.4.3.6: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR BELG SEASON

2001/02 (1994 E.C.) .... Other Farms

Benshangul-Gumuz

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	43		424.2		
Grain Crops	40	100	200	100	
Cereals.....	40	100	200	100	
Maize.....	40	100	200	100	5
Vegetables.....	1.28	100	63.2	100	
Root Crops.....	1.72	100	161	100	

TABLE 1.4.3.7: TOTAL CROP LAND AREA , PRODUCTION AND YIELD OF TEMPORARY CROPS FOR LARGE SCALE FARMS FOR MEHER SEASON

2001/02 (1994 E.C.) .... Other Farms

(S.N.N.P.R)

Crop	Area		Production		Yield
	Hectares	%	Quintals	%	QT/HA
TOTAL	400.76		4114.45		
Grain Crops	115.25	100	1291.22	100	
Cereals.....	83.59	72.53	1059.1	82.02	
Teff.....	18.75	16.27	142	11	7.57
Maize.....	60.34	52.36	903.5	69.97	14.97
Other Cereals	4.5	3.9	13.6	1.05	
Pulses.....	31.66	27.47	232.12	17.98	
Other Pulses	31.66	27.47	232.12	17.98	
Vegetables.....	55.53	100	75.93	100	
Tomatoes.....	10.31	18.57	26.11	34.39	2.53
Green peppers..	44	79.24	10.12	13.33	0.23
Other Vegetables	1.22	2.2	39.7	52.28	
Root Crops.....	229.98	100	2747.3	100	
Carrot.....	10.99	4.78	14.97	0.54	1.36
Onion.....	26.98	11.73	19.85	0.72	0.74
Potatoes.....	14.56	6.33	2526.5	91.96	173.52
Garlic.....	165.52	71.97	12.25	0.45	0.07
Other root crops	11.93	5.19	173.73	6.32	

Chapter IV

FARM MANAGEMENT PRACTICE

1. Introduction

The overall performance of a country's agriculture, usually affected by quite a number of factors, among which the level and extent of using modern agricultural practices (such as increased use of fertilizer, pesticides, and improved seeds...etc) is the first and the most important factor to be considered. This is merely because increased productivity can only be achieved through the use of the above mentioned farm inputs along with appropriate newly introduced modern farm management practices.

In Ethiopia, where agriculture is said to be fragile with low and deteriorating productivity, the role of increased use of modern farm management practices to change the existing situation and obtain increased productivity cannot be over emphasized. The reason is that increasing productivity on various crop fields is the only realistic option to raise the living standards of the rural population and ensure food security and poverty alleviation.

Towards this end, a number of modern techniques and technologies are available to help achieve enhanced crop productivity. The major actors behind achieving high level of productivity include among others, greater and efficient use of fertilizers, pesticides and improved seeds.

Thus, during the year 2001/02 (1994E.C) large and medium scale farms agricultural census, basic data on the agricultural inputs and practices

were collected, summarized and the result are presented in this report.

This chapter of the report, therefore, deals with the census data that indicate the type and quantity of input applied, irrigated crop land area by crop and farm type, damaged crop land area, number and type of farms that applied different agricultural inputs both in meher and belg seasons.

2. Cropland Area under Different Agricultural Input and Farm Management Practices.

This section of the chapter deals with the agricultural input applied cropland area and quantity of inputs used by large and medium scale farms. As experiences of other countries indicate, for administrative purpose, large and medium scale farms usually used to record each and every agricultural activity performed, evaluate the performance the farm and execute cost benefit analysis using the recorded administrative data. Therefore, data on the use of farm management practice were collected from the assigned respondent in each of the large and medium scale farms. Moreover, in some large and medium scale farms that failed to assign respondent due to various reasons, the enumerators assigned in these farms complied the information required in each of census questionnaire by making detail and thorough review of the administrative records that are made available by each of the respective farm.

The information collected using the methods mentioned, on total irrigated, fertilized, pesticides treated and improved seed used cropland area, during the 2001/02(1994 E.C) agricultural year, are summarized at country and regional levels. The following are brief discussions on the major findings of the 2001/02(1994 E.C.) agricultural census on the

Summary IV.1 Total Fertilized Cropland Area by Major Fertilizer Types for Large and Medium Scale Farms 2001/02(1994 E.C.)

Type of Large and Medium Scale Farms	Total Fertilzed Area In Ha.	Grain Crops							Permanent crops		
		Cereals	Pulses	Oilseeds	Other Grains	Vegetables	Root Crops	Cotton	Fruits	Stimulants	Other Permanent
All Farms											
Total(Na+Ch)	236087	126324	6479	3260	1525	22406	31993	2677	3114	20193	18116
Perecent	100	53.51	2.74	1.38	0.65	9.49	13.55	1.13	1.32	8.55	7.67
Natural	85311	45334	352	15	1314	20179	16325	–	1374	385	23
Perecent	36.14	53.14	0.41	0.02	1.54	23.65	19.14	–	1.61	0.45	0.03
Chemical	150776	80990	6127	3245	211	2227	15668	2677	1740	19808	18093
Perecent	63.86	53.72	4.06	2.15	0.14	1.48	10.39	1.78	1.15	13.14	12.00
State Farms											
Total(Na+Ch)	60085	29064	1105	1080	13	1047	278	2260	1608	7729	15901
Perecent	25.45	48.37	1.84	1.80	0.02	1.74	0.46	3.76	2.68	12.86	26.46
Natural	15	–	–	–	6	–	–	–	9	–	–
Perecent	0.01	–	–	–	40.00	–	–	–	60.00	–	–
Chemical	60070	29064	1105	1080	7	1047	278	2260	1608	7729	15901
Perecent	25.44	48.38	1.84	1.80	0.01	1.74	0.46	3.76	2.68	12.87	26.47
Commercial Farms											
Total(Na+Ch)	145460	76539	4338	1430	1312	21044	31519	417	1341	5321	2199
Perecent	61.61	52.62	2.98	0.98	0.90	14.47	21.67	0.29	0.92	3.66	1.51
Natural	84941	45226	335	7	1307	20112	16314	-	1311	312	17
Perecent	35.98	53.24	0.39	0.01	1.54	23.68	19.21	–	1.54	0.37	0.02
Chemical	60519	31313	4003	1423	5	932	15205	417	30	5009	2182
Perecent	25.63	51.74	6.61	2.35	0.01	1.54	25.12	0.69	0.05	8.28	3.61
Other Farms											
Total(Na+Ch)	30542	20721	1036	750	200	315	196	–	165	7143	16
Perecent	12.94	67.84	3.39	2.46	0.65	1.03	0.64	-	0.54	23.39	0.05
Natural	355	108	17	8	1	67	11	–	63	73	6
Perecent	0.15	30.42	4.79	2.25	0.28	18.87	3.10	-	17.75	20.56	1.69
Chemical	30187	20613	1019	742	199	248	185	–	102	7070	10
Perecent	12.79	68.28	3.38	2.46	0.66	0.82	0.61	–	0.34	23.42	0.03

extent and use of modern farm management practices.

2.1 Fertilized Cropland Areas and Quantity Applied by Type of Fertilizers.

Fertilizing materials and mixture are not restricted to in organic chemical but include organic substances such as crop residues, animal dung ...etc. Therefore, fertilizers refer to anything added to the soil with the intention of increasing the amount of plant nutrients available for crop growth. However, in 2001/02 (1994 E.C) large and medium scale farms agricultural census, data was collected only on the application of chemical fertilizers. The chemical fertilizers that were covered by the census consisted of DAP (DI-Ammonium phosphate, and UREA (Ammonium nitrate).

The results of the census indicates that at country level the total fertilized cropland area was found to be 236,087 hectares, which accounted for 64.5% of the total cropland area reported for large and medium scale farms at country level.

Out of the above mentioned total country level fertilized cropland area, the share of state, commercial and other farms were found to be 25.45%, 61.61%and 12.94%, respectively. For details see Summary Table IV.1. Moreover, the proportion of total fertilized cropland areas in state farms for Meher season was 59,791 hectares (99.51%) as compared to only 294 hectares (0.49%) for Belg seasons. With regard to commercial and other farms the share of Meher season was 66.12% and 98.47%, where the share of Belg was 33.88% and1.53%, respectively.

Furthermore, of the total fertilized cropland area, 53.51%, 2.74%,

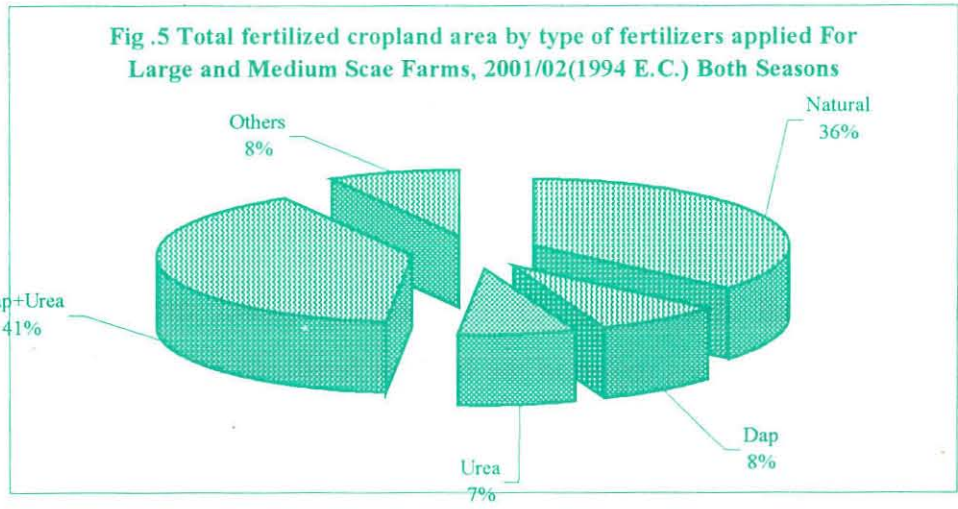
1.38% and 0.65% were under cereals, pulses, oilseeds and other grains, in that order. The remaining 9.49%, 13.55%, 1.32%, 8.55% and 8.81% were under vegetables, root crops, fruits, stimulants and other permanent crops, respectively.

Considering regional distribution of fertilized cropland area,Tigray, Oromiya and SNNP regions reported the highest fertilized crop land area that accounted for 44.49%,41.58% and 8.53% of the total country level fertilized cropland area, respectively.

2.2 Natural Fertilizers Applied Cropland Area

According to the census findings, in large and medium scale farms, natural fertilizers were applied on a total of 85,311 hectares (comprising 36.14 % of the total fertilized cropland area). Of this total natural fertilizer applied cropland area, the share of state, commercial and other farms were found to be 15, 84941 and 355 hectares, that accounted for about 0.01%, 35.98% and 0.15 % of the country level total, in that order. For details refer to Summary Table IV.1

Moreover, crops within the category of cereals, pulses and oilseeds were found to cover the highest cropland area under natural fertilizer application.



2.3 Chemical Fertilizer Applied Cropland Area.

As illustrated in Summary Table IV.2, the total chemical fertilizer applied crop land area reported for large and medium scale farms was found to be 150776 hectares, which accounted for about 63.86% of the total fertilized cropland area. (See fig 6). Out of the total chemical fertilizer applied cropland area, the application of DAP, UREA, a mixture of DAP+UREA and other chemical fertilizers covered 49928; 17642; 94307 and 19754 hectares, that accounted for about 12.64%, 11.70%, 62.55% and 13.10% of the country level total chemical fertilizer applied cropland area, respectively.

Consequently, out of the total chemical fertilizer applied cropland area, the contribution of commercial farms was the highest covering 60,518 hectares of cropland area, that accounted for about 40.10% of the country total (where within state farms DAP, UREA, a mixture of DAP+UREA and others covered 7.10%, 2.45%, 85.28% and 5.16% cropland area, respectively). State and other farms ranked second and third with 60,070 and 30,188 hectares of cropland area, taking up 39.84% and 20.02% of the country level total chemical fertilizer applied cropland area

Summary IV.2 Total Chemical Fertilizer Applied Cropland Area by Type of Fertilizer for Large and Medium Scale Farms 2001/02(1994 E.C.)

Type of Large and Medium Scale Farms	Total Fertilzed Area In Ha.	Grain Crops				Vegetables	Root Crops	Cotton	Permanent crops		
		Cereals	Pulses	Oilseeds	Other Grains				Fruits	Stimulants	Other Permanent
All Farms (Total)	150776	80991	6126	3244	211	2218	15676	2677	1732	19809	18093
Perecent	100	53.72	4.06	2.15	0.14	1.47	10.40	1.78	1.15	13.14	12.00
DAP	19073	11544	3762	2347	3	42	35	1016	147	176	1
Perecent	12.65	60.53	19.72	12.31	0.02	0.22	0.18	5.33	0.77	0.92	0.01
UREA	17642	10329	3	223	1	151	48	-	114	3	6770
Perecent	11.70	58.55	0.02	1.26	0.01	0.86	0.27	-	0.65	0.02	38.37
DAP + UREA	94307	58050	2090	169	8	2013	15581	1646	1315	13087	151
Perecent	62.55	61.55	2.22	0.18	0.01	2.13	16.52	1.75	1.39	13.88	0.16
OTHERS	19754	-	-	-	-	-	-	-	-	-	-
Perecent	13.10	-	-	-	-	-	-	-	-	-	-
State Farms (Total)	60070	29064	1105	1080	7	1047	278	2260	1599	7729	15901
Perecent	39.84	48.38	1.84	1.80	0.01	1.74	0.46	3.76	2.66	12.87	26.47
DAP	12551	9388	906	1080		5	10	1016	146	-	-
Perecent	8.32	74.80	7.22	8.60		0.04	0.08	8.09	1.16	-	-
UREA	6005	-	-	-	-	-	-	-	107	-	5898
Perecent	3.98	-	-	-	-	-	-	-	1.78	-	98.22
DAP + UREA	31372	19676	199	-	7	1042	268	1244	1205	7729	2
Perecent	20.81	62.72	-	-	0.02	3.32	0.85	3.97	3.84	24.64	0.01
OTHERS	10142	-	-	-	-	-	-	-	141	-	10001
Perecent	6.73	-	-	-	-	-	-	-		-	
Commercial Farms	60518	31313	4003	1423	5	930	15205	417	30	5009	2183
Perecent	40.14	51.74	6.61	2.35	0.01	1.54	25.12	-	0.05	8.28	3.61
DAP	4299	1593	1974	536	3	15	5	-	-	174	
Perecent	2.85	37.06	45.92	12.47	0.07	0.35	0.12	-	-	4.05	
UREA	1483	195		221		150	40	-	7	-	869
Perecent	0.98	13.15		14.90		10.11	2.70	-	0.47	-	58.60
DAP + UREA	51612	28501	1957	168	1	756	15159	402	19	4504	145
Perecent	34.23	55.22	3.79	0.33	0.00	1.46	29.37	0.78	0.04	8.73	0.28
OTHERS	3124	1024	72	498	1	9	1	15	4	331	1169
Perecent	2.07	1.98	0.14	0.96	0.00	0.02	0.00	0.03	0.01	0.64	2.26
Other Farms	30188	20614	1018	741	199	241	193	-	103	7071	9
Perecent	20.02	68.29	3.37	2.45	0.66	0.80	0.64	-	0.34	23.42	0.03
DAP	2223	563	882	731		22	20	-	1	2	1
Perecent	1.47	25.33	39.68	32.88	0.00	0.99	0.90	-	0.04	0.09	0.04
UREA	10154	10134	3	2	1	1	8	-		3	3
Perecent	6.73	99.80	0.03	0.02	0.01	0.01	0.08	-	0.00	0.03	0.03
DAP + UREA	11323	9873	133	1		215	154	-	91	854	4
Perecent	7.51	87.19	1.17	0.01		1.90	1.36	-	0.80	7.54	-
OTHERS	6488	44		7	198	11	3	-	11	6212	1
Perecent	4.30	0.68	0.00	0.11	3.05	0.17	0.05	-	0.17	95.75	0.02

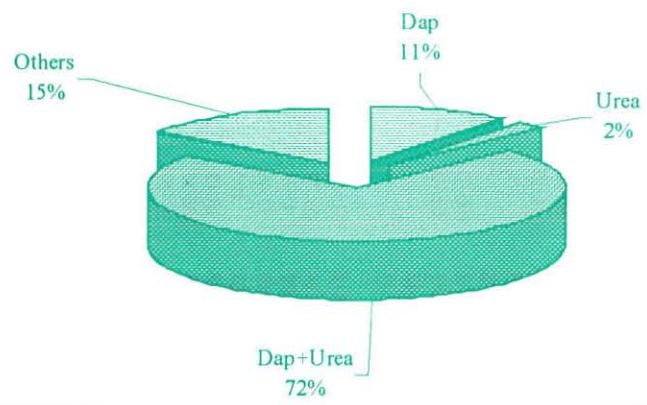
reported for large and medium scale farms, in that order.

2.4 Quantity of Chemical Fertilizer Applied

According to the results of the census, the total quantity of chemical fertilizers applied during 2001/02 for large and medium scale farms was found to be 168,520 quintals in both seasons. Out of which the share of a mixture of DAP+UREA was the highest accounting for about 83.12% of the total quantity of fertilizes applied.

Moreover, the share from total quantity of chemical fertilizer applied cropland area of the state, commercial and other farms were found to be 47.71%, 49.67% and 18.23%, respectively. For details see Summary Table IV.3.

Fig 6. Total quantity of chemical fertilizer applied by type of fertilizer for large and medium scale farms.2001/02(1994 E.C.), Both season.



Summary IV.3 Total Quantity of Chemical Fertilizer Applied by Type of Fertilizers for Large and Medium Scale Farms 2001/02(1994 E.C.), Both seasons.

Type of Large and Medium Scale Farms	Total Quantity applied In Qts.	Grain Crops							Permanent crops		
		Cereals	Pulses	Oilseeds	Other Grains	Vegetables	Root Crops	Cotton	Fruits	Stimulants	Other Perm.
All Farms (Total)	174295	99616	6262	3165	848	7817	2485	2761	17549	19730	13966
Perecent	100	57.15	3.59	1.82	0.49	4.48	1.43	1.58	10.07	11.32	8.01
DAP	19019	10899	4039	3004	150	146	53	-	154	106	469
Perecent	12.61	57.31	21.24	15.79	0.79	0.77	0.28		0.81	0.56	2.47
UREA	3496	214	2	136	-	180	49	-	124	2	2788
Perecent	2.32	6.12	0.06	3.89		5.15	1.40		3.55	0.06	79.75
DAP + UREA	125319	83273	2046	25	30	7474	2376	2746	14988	11829	419
Perecent	83.12	66.45	1.63	0.02	0.02	5.96	1.90		11.96	9.44	0.33
OTHERS	26461	5230	175	-	668	17	7	15	2283	7793	10290
Perecent	17.55	19.76	0.66	-	2.52	0.06	0.03	0.06	8.63	29.45	38.89
State Farms (Total)	71932	36496	815	1474	28	4383	1524	2226	17270	3638	3965
Perecent	47.71	50.74	1.13	2.05	0.04	6.09	2.12	3.09	24.01	5.06	5.51
DAP	12247	9278	815	1474		20	40	-	154	-	467
Perecent	8.12	75.76	6.65	12.04		0.16	0.33	-	1.26	-	3.81
UREA	117	-	-	-	-	-	-	-	117	-	-
Perecent	0.08	-	-	-	-	-	-	-	100.00	-	-
DAP + UREA	53793	27218	114		28	4363	1484	2226	14722	3638	0
Perecent	35.68	50.60	0.21		0.05	8.11	2.76	4.14	27.37	6.76	0.00
OTHERS	5775	-	-	-	-	-	-	-	2277	-	3498
Perecent	3.83	-	-	-	-	-	-	-	39.43	-	60.57
Commercial Farms	74883	44465	4359	779	153	2222	456	535	28	11968	9936
Perecent	49.67	59.38	5.82	1.04	0.20	2.97	0.61	-	0.04	15.98	13.27
DAP	4477	1178	2312	620	150	108	4	-	-	105	
Perecent	2.97	26.31	51.64	13.85	3.35	2.41	0.09	-	-	2.35	
UREA	3319	169		135	1	180	45	-	7	-	2783
Perecent	2.20	5.09		4.07		5.42	1.36	-	0.21	-	83.85
DAP + UREA	50210	37935	1872	24	2	1919	403	520	15	7160	361
Perecent	33.30	75.55	3.73	0.05	0.00	3.82	0.80	1.04	0.03	14.26	0.72
OTHERS	16877	5183	175	-	1	15	4	15	6	4703	6792
Perecent	11.19	30.71	1.04	-	0.01	0.09	0.02	-	0.04	27.87	40.24
Other Farms	27480	18655	1088	912	667	1212	505	-	251	4124	65
Perecent	18.23	67.89	3.96	3.32	2.43	4.41	1.84	-	0.91	15.01	0.24
DAP	2295	443	912	910	-	18	9	-	-	1	2
Perecent	1.52	19.30	39.74	39.65	-	0.78	0.39	-	-	0.04	0.09
UREA	60	45	2	1	-	-	4	-	-	2	5
Perecent	0.04	75.00	3.33	1.67	-	-	6.67	-	-	3.33	8.33
DAP + UREA	21316	18120	174	1	-	1192	489	-	251	1031	58
Perecent	14.14	85.01	0.82	0.00	-	5.59	2.29	-	1.18	4.84	0.27
OTHERS	3809	47	-	-	667	2	3	-	-	3090	-
Perecent	2.53	1.23	-	-	17.51	0.05	0.08	-	-	81.12	-

3. Cropland Areas Treated with Pesticides.

Pesticides are chemicals that are used for the control of mitigation of elimination of pests that are detrimental to crops examples of pesticides are insecticides, herbicides and fungicides.

Summary Table IV.4 reveals that the total cropland area treated with pesticides in large and medium scale farms was found to be 156323 hectares. Of the total cropland areas treated with pesticides, the share of state farms was found to be 44.42 %, while 44.05% and 11.53% were the shares of commercial and other farms, respectively.

Furthermore, most of the pesticide applied cropland area, in large and medium scale farms were under cereals, pulses, oil seeds and permanent crops that covered 44.11%, 1.52%, 8.58%and 27.74% of the total pesticides applied cropland area, in that order. For details refer to summary Table IV.4.

4. Crop Areas on which Improved Seeds are used

Improved seeds are defined as crop varieties that give significantly higher yield and better quality compared to locally produced varieties of seeds. As illustrated in Summary Table IV.5, the total cultivated cropland area was 366,039 hectares. Of this total 121,871 hectares (33.29% of the total cropland area) was sown with improved variety of seeds.

Moreover, concerning total cropland area under improved seed, the contribution of state, commercial and other farms was found to be 44.22%, 41.02% and 14.76%, respectively. For details refer to

Summary IV.4 Total Pesticide Treated Applied Cropland area for Large and Medium Scale Farms 2001/02(1994 E.C.)

Both Meher and Belg Seasons

Major crop categories	Large &Medium scale farms Area in Ha.	Type of Farms		
		State farms Area in Ha.	Commercial farms Area in Ha.	Other farms Area in Ha.
All Crops	156323	69444	68862	18017
Percent	100	44.42	44.05	11.53
Grains	85003	29654	44914	10435
Percent	54.38	34.89	52.84	12.28
Cereals	68949	28686	30543	9720
Percent	44.11	41.60	44.30	14.10
Pulses	2373	384	1797	192
Percent	1.52	16.18	75.73	8.09
Oilseeds	13414	571	12519	324
Percent	8.58	4.26	93.33	2.42
Other grains	267	13	55	199
Percent	0.17	4.87	20.60	74.53
Cotton	27054	13528	13526	-
Percent	17.31	50.00	50.00	-
Vegetables	1709	1047	432	230
Percent	1.09	61.26	25.28	13.46
Root Crops	659	275	222	162
Percent	0.42	41.73	33.69	24.58
Permanent Crops	43368	26251	9830	7287
Percent	27.74	60.53	22.67	16.80
Fruits	1470	1311	62	97
Percent	0.94	89.18	4.22	6.60
Stimulants	21094	7729	6272	7093
Percent	13.49	36.64	29.73	33.63
otherpermanent	19334	15900	3434	-
Percent	12.37	82.24	17.76	-

Summary Table IV.5. and Fig 8.

With regard to regional distribution of improved seeds used cropland area, for large and medium scale farms, the highest area under improved seeds was reported for Oromiya region that accounted for about 53.10%, while the second and the third highest is 18%, and 11.57% reported for SNNP and Tigray regions, in that order.

5. Cropland Area under Irrigation

The increase in crop production, keep pace with the increased population demand can be achieved among others by the efficient utilization of irrigation practices. Moreover, irrigation practices make possible the utilization of advanced technology in farming. These include the proper application of fertilizers, the adoption of good crop rotation practices and the use of better seed varieties. Irrigated cropland areas, therefore, refer to the practice where an area of land is purposely and actually provided with water, other than the precipitation obtained from rain to improve the production of crops. The uncontrolled flooding of land by the over flow of rivers or streams is not considered to be as practice of irrigation.

The census data show that the cropland areas, under large and medium scale farms, that are actually irrigated was only 97,651 hectares and this accounted for about 26.68 % of the total cropland areas. Of the total irrigated cropland areas, the share of state, commercial and other farms was found to be 36.36 %, 61.27 % and 2.37%, respectively. Moreover, of the total irrigated cropland areas, Meher season constituted about 51.59 % compared to 48.41 % for Belg season. (For details, refer to

Summary IV.5 Total Improved Seed used Cropland Area for Large and Medium Scale Farms 2001/02(1994 E.C.)

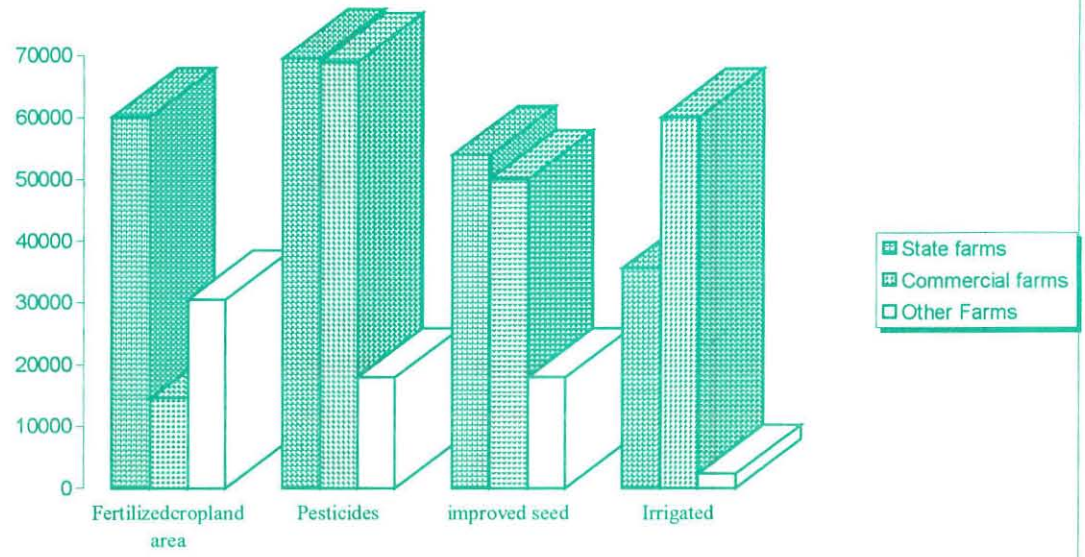
Both Meher and Belg Seasons

Major crop categories	Large &Medium scale farms Area in Ha.	Type of Farms		
		State farms Area in Ha.	Commercial farms Area in Ha.	Other farms Area in Ha.
All Crops	121871	53887	49996	17988
Percent	77.96	55.18	51.20	18.42
Grains	70966	27387	33524	10055
Percent	45.40	32.22	39.44	11.83
Cereals	66686	26862	30898	8926
Percent	42.66	38.96	44.81	12.95
Pulses	2192	365	1164	663
Percent	1.40	15.38	49.05	27.94
Oilseeds	1932	106	1400	426
Percent	1.24	-	10.44	3.18
Other grains	156	54	62	40
Percent	0.10	20.22	23.22	329
Cotton	14385	10846	3539	-
Percent	9.20	40.09	13.08	-
Vegetables	1976	1031	616	329
Percent	1.26	60.33	36.04	19.25
Root Crops	1886	253	1427	206
Percent	1.21	38.39	216.54	31.26
Permanent Crops	32658	14370	10890	7398
Percent	20.89	33.14	25.11	17.06
Fruits	1140	739	151	250
Percent	0.73	50.27	10.27	17.01
Stimulants	23754	7732	8978	7044
Percent	15.20	36.65	42.56	33.39
otherpermanent	7764	5899	1761	104
Percent	4.97	30.51	9.11	0.54

Summary Table IV.6.)

When one looks to the distribution of regional irrigated cropland area, the highest share go to Tigray, Ormiya, Afar and SNNP regions i.e. 49,087 hectares (50.27%), 25,135 hectares (25.74%), 17,369 hectares (17.79%) and 4,665 hectares (4.78%) irrigated cropland area, respectively.

Fig. 7 Total cropland area under fam management Practice, for Large and Medium scale farms,2001/02(1994 E.C.). both seasons



6. Damaged Cropland Areas and Size of Holdings

This section of the chapter deals with the reported total damaged cropland area by size of holding for large and medium scale farms at country level. Cropland area damage includes any cropland planted or sown with intension to harvest crops, but failed to produce crop partly or fully due to various reasons such as too much rain, weeds, and shortage of rain... etc.

Summary IV.6 Total Irrigated Cropland Area for Large and Medium Scale Farms 2001/02(1994 E.C.)

Both Meher and Belg Seasons

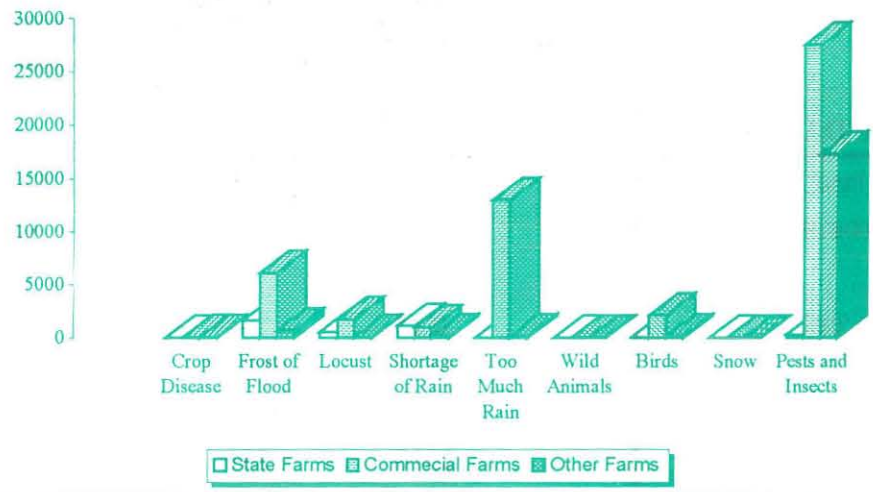
Major crop categories	Large &Medium scale farms Area in Ha.	Type of Farms		
		State farms Area in Ha.	Commercial farms Area in Ha.	Other farms Area in Ha.
All Crops	97651	35507	59833	2311
Percent	62.47	36.36	61.27	2.37
Grains	22386	2342	19050	994
Percent	14.32	2.76	22.41	1.17
Cereals	21851	2130	18958	763
Percent	13.98	3.09	27.50	1.11
Pulses	238	199	13	26
Percent	0.15	8.39	0.55	1.10
Oilseeds	13	-	6	7
Percent	0.01	-	0.04	0.05
Other grains	284	13	73	198
Percent	0.18	4.87	27.34	74.16
Cotton	18439	14348	4091	-
Percent	11.80	53.03	15.12	-
Vegetables	12248	1047	10846	355
Percent	7.84	61.26	634.64	20.77
Root Crops	22061	278	21556	227
Percent	14.11	42.19	3271.02	34.45
Permanent Crops	51213	46188	4290	735
Percent	32.76	106.50	9.89	1.69
Fruits	2035	1591	273	171
Percent	1.30	108.23	18.57	11.63
Stimulants	2269	-	1717	552
Percent	1.45	-	8.14	2.62
otherpermanent	46897	44597	2300	12
Percent	30.00	230.67	11.90	0.06

As it has been mentioned earlier, at country level, a total of 366039 hectares of land was covered by different types of crops both in Meher and Belg seasons, during the 2001/02 (1994E.C) crop production year by large and medium scale farms. Out of this total cultivated cropland area 73,851 hectares (20.18%) was affected by crop damage in both Meher and Belg seasons. Out of the above mentioned total cropland area damaged, 3,758 hectares (3.85%) was in state farms, where the damage takes up 1% of the total cropland area reported for state farms, during 2001/02 both seasons crop production harvest.

Commercial farms, however, reported the highest damaged cropland area i.e. 51,569 hectares (69.83% of the total damaged cropland area.). The total damaged cropland area reported for other farms is the second highest, covering 18,524 hectares (25.08% of the total), where the reported damage covered 33.74 % of the total cropland area for other farms.

With regard to causes of damage, the highest crop damage that covers 45,237 hectares (61.25% of the total crop damage) was caused by pest and insect infestations. Moreover, too much rain and frost or flood were the causes for crop damage that covered 13,142 hectares (17.80%) and 8,431 hectares (11.42%), respectively. For details refer to Summary Table IV.7.

Fig.8 Damaged cropland area by causes of damage for large and medium scale farms,2001/02(1994 E.C.).



Considering, the distribution of regional damaged cropland area, Tigray, Oromia, Amhara and Afar regions reported relatively the highest damaged cropland area which were 46,089 hectares (62.41%); 18,885 hectares (25.57%); 4,840 hectares (6.55%) and 2,473 hectares (3.35%) of the total damaged cropland area reported at country level. Pest and insect infestations, frost or flood, shortage of rain and locust were the major causes reported for damaging relatively the highest cropland area in each of the regions mentioned above.

Summary IV.7 Total Damaged Cropland Area by causes of Damage For Large and Medium Scale Farms 2001/02(1994 E.C.)

Both Meher and Belg Seasons

TYPE OF CROP DAMAGE	Large &Medium scale farms Area in Ha.	Type of Farms		
		State farms Area in Ha.	Commercial farms Area in Ha.	Other farms Area in Ha.
Damaged Crop land Total	73851	3758	51569	18524
Percent	100.00	3.85	52.81	18.97
Crop Disease.....	110	–	78	32
Percent	0.15	–	70.91	29.09
Frost of Flood.....	8431	1622	6126	683
Percent	11.42	19.24	72.66	8.10
Locust.....	2318	551	1737	30
Percent	3.14	23.77	74.94	1.29
Shortage of Rain....	2260	1135	983	142
Percent	3.06	50.22	43.50	6.28
Too Much Rain.....	13142	24	12979	139
Percent	17.80	0.18	98.76	1.06
Wild Animals.....	1	–	1	–
Percent	0.00	–	100.00	–
Birds.....	2351	85	2126	140
Percent	3.18	3.62	90.43	5.95
Snow.....	1	–	1	–
Percent	0.00	–	100.00	–
Pests and Insects...	45237	341	27538	17358
Percent	61.25	0.75	60.87	38.37
Others.....	–	–	–	–
Percent	–	–	–	–

TABLE 4.1.1.1 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), BOTH SEASONS.

Ethiopia — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	366039	121872	100	97653	100	236086	100	156322	100
Grains Crops....	231512	70967	58.23	22387	22.93	137588	58.28	85003	54.38
Cereals.....	178861	66686	54.72	21851	22.38	126325	53.51	68949	44.11
Teff.....	1715	305	0.25	119	0.12	841	0.36	766	0.49
Barley.....	946	367	0.3	7	0.01	803	0.34	757	0.48
Wheat.....	59556	40863	33.53	12	0.01	59223	25.09	39051	24.98
Maize.....	72057	23346	19.16	21155	21.66	64166	27.18	19958	12.77
Sorghum.....	44235	1713	1.41	470	0.48	1099	0.47	8325	5.33
Millet.....	62	-	-	-	-	18	0.01	10	0.01
Rice.....	243	88	0.07	80	0.08	163	0.07	80	0.05
Other Cereal..	47	5	-	8	0.01	12	0.01	2	-
Pulse.....	10441	2191	1.8	238	0.24	6478	2.74	2373	1.52
Horse beans...	3581	287	0.24	-	-	966	0.41	382	0.24
Field peas....	212	44	0.04	3	-	115	0.05	45	0.03
Haricot beans.	1158	763	0.63	204	0.21	794	0.34	223	0.14
Chick peas....	386	90	0.07	2	-	71	0.03	174	0.11
Lentiles.....	41	-	-	-	-	2	-	-	-
Vetch.....	42	-	-	-	-	-	-	-	-
Soya.....	4922	1001	0.82	4	-	4508	1.91	1536	0.98
Fenugreek.....	20	-	-	1	-	3	-	-	-
Other Pulse...	78	7	0.01	25	0.03	20	0.01	13	0.01
Oile seed.....	40457	1933	1.59	13	0.01	3260	1.38	13414	8.58
Nueg.....	1683	2	-	-	-	17	0.01	2	-
Linseed.....	62	5	-	-	-	44	0.02	32	0.02
Ground nuts...	45	-	-	-	-	3	-	-	-
Sesame.....	36459	1126	0.92	-	-	1001	0.42	12158	7.78
Rapeseed.....	2184	789	0.65	-	-	2184	0.93	1215	0.78
Other Oile S..	24	11	0.01	13	0.01	11	-	8	0.01
Other Grain....	1753	157	0.13	285	0.29	1525	0.65	267	0.17
Vegetables.....	22732	1977	1.62	12248	12.54	22406	9.49	1708	1.09
Lettuce.....	110	84	0.07	109	0.11	108	0.05	12	0.01
Cabbage.....	10076	70	0.06	5074	5.2	10064	4.26	31	0.02
Kale.....	17	-	-	17	0.02	17	0.01	-	-
Tomatoes.....	998	897	0.74	930	0.95	903	0.38	886	0.57
Green pepper...	144	64	0.05	99	0.1	77	0.03	63	0.04
Red paper.....	535	116	0.1	176	0.18	429	0.18	159	0.1
Swiss chard....	10036	24	0.02	5036	5.16	10033	4.25	11	0.01
Other.....	698	674	0.55	698	0.71	697	0.3	504	0.32
Other Vege.....	119	49	0.04	108	0.11	77	0.03	41	0.03
Root Crops.....	32381	1885	1.55	22061	22.59	31992	13.55	659	0.42
Beet root.....	13	10	0.01	11	0.01	12	0.01	3	-
Carrot.....	45	43	0.04	33	0.03	22	0.01	-	-
Onion.....	747	588	0.48	688	0.7	645	0.27	590	0.38
Potatoes.....	30082	5	-	20047	20.53	30064	12.73	42	0.03
Garlic.....	166	-	-	-	-	-	-	-	-
Sweet potatoes.	1203	1200	0.98	1201	1.23	1200	0.51	-	-
Other Root C...	125	38	0.03	81	0.08	49	0.02	24	0.02
Cotton	29015	14384	11.8	18438	18.88	2677	1.13	27057	17.31
Permanet crops...	79414	47043	38.6	40957	41.94	44100	18.68	68952	44.11
Fruit Crops.....	3783	1141	0.94	2035	2.08	3114	1.32	1470	0.94
Avocado.....	123	86	0.07	16	0.02	41	0.02	3	-
Bannas.....	803	179	0.15	534	0.55	510	0.22	251	0.16
Guava(Zeytuna).	1352	65	0.05	98	0.1	1321	0.56	55	0.04
Lemons.....	47	-	-	47	0.05	45	0.02	45	0.03
Mangos.....	258	148	0.12	202	0.21	121	0.05	113	0.07
Oranges.....	594	278	0.23	579	0.59	569	0.24	568	0.36
Papayas.....	130	23	0.02	122	0.12	76	0.03	64	0.04
Pineapples.....	20	-	-	-	-	18	0.01	-	-
Other	386	333	0.27	381	0.39	368	0.16	361	0.23
Other Fruit....	70	29	0.02	56	0.06	44	0.02	8	0.01
Stimulant Crop..	26957	23754	19.49	2269	2.32	20193	8.55	21094	13.49
Chat.....	44	1	-	24	0.02	12	0.01	6	-
Coffee.....	26868	23744	19.48	2225	2.28	20174	8.55	21086	13.49
Other Stimulant	45	9	0.01	19	0.02	7	-	2	-
Other Permanent.	19659	7764	6.37	18215	18.65	18116	7.67	19331	12.37
Enset.....	40	-	-	5	0.01	11	-	-	-
Sugar Cane.....	17073	6402	5.25	16955	17.36	16925	7.17	16910	10.82
Tea	2418	1249	1.02	1249	1.28	1169	0.5	2418	1.55
Other	125	112	0.09	4	-	11		2	-
Other Perm.....	3	-	-	2	-	-	-	-	-

TABLE 4.1.1.2 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR ALL LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), BOTH SEASONS.

Tigray IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	176026	14103	100	49087	100	105042	100	27908	100
Grains Crops....	114622	11786	83.57	17599	35.85	52318	49.81	19262	69.02
Cereals.....	80018	10874	77.1	17549	35.75	50349	47.93	7349	26.33
Teff.....	167	18	0.13	3	0.01	47	0.04	39	0.14
Barley.....	22	1	0.01	1	-	2	-	1	-
Wheat.....	10012	10009	70.97	10	0.02	10010	9.53	3	0.01
Maize.....	40047	7	0.05	17507	35.67	40026	38.1	3	0.01
Sorghum.....	29767	840	5.96	25	0.05	261	0.25	7304	26.17
Other Cereal..	4	-	-	3	0.01	3	-	-	-
Pulse.....	41	3	0.02	1	-	18	0.02	21	0.08
Chick peas....	29	3	0.02	-	-	11	0.01	17	0.06
Other Pulse...	12	-	-	1	-	7	0.01	4	0.01
Oile seed.....	33262	860	6.1	-	-	651	0.62	11892	42.61
Sesame.....	33262	860	6.1	-	-	651	0.62	11892	42.61
Other Grain....	1301	49	0.35	49	0.1	1300	1.24	-	-
Vegetables.....	20154	148	1.05	10153	20.68	20147	19.18	9	0.03
Lettuce.....	85	83	0.59	84	0.17	83	0.08	-	-
Cabbage.....	10021	21	0.15	5021	10.23	10020	9.54	4	0.01
Green pepper...	13	13	0.09	13	0.03	13	0.01	-	-
Swiss chard....	10023	22	0.16	5023	10.23	10022	9.54	1	-
Other Vege.....	11	8	0.06	11	0.02	8	0.01	4	0.01
Root Crops.....	31293	1288	9.13	21293	43.38	31289	29.79	5	0.02
Carrot.....	21	21	0.15	21	0.04	21	0.02	-	-
Onion.....	71	67	0.48	71	0.14	67	0.06	5	0.02
Potatoes.....	30001	-	-	20000	40.74	30000	28.56	-	-
Sweet potatoes.	1200	1200	8.51	1200	2.44	1200	1.14	-	-
Other Root C...	1	-	-	1	-	-	-	-	-
Cotton	8665	850	6.03	-	-	-	-	8620	30.89
Permanet crops...	9957	881	6.25	42	0.09	1288	1.23	8632	30.93
Fruit Crops.....	1289	29	0.21	39	0.08	1285	1.22	12	0.04
Guava(Zeytuna).	1257	5	0.04	7	0.01	1256	1.2	-	-
Oranges.....	12	9	0.06	12	0.02	12	0.01	10	0.04
Other	2	1	0.01	2	-	2	-	-	-
Other Fruit....	17	14	0.1	17	0.03	15	0.01	2	0.01
Stimulant Crop..	2	1	0.01	2	-	2	-	-	-
Other Stimulant	2	1	0.01	2	-	2	-	-	-
Other Permanent.	1	1	0.01	1	-	1	-	-	-
Other	1	1	0.01	1	-	1	-	-	-
Other Perm.....	-	-	-	-	-	-	-	-	-

TABLE 4.1.1.3 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR ALL LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), BOTH SEASONS.

Afar — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	17369	11795	100	17369	100	750	100	17173	100
Grains Crops....	426	388	3.29	426	2.45	-	-	386	2.25
Cereals.....	424	386	3.27	424	2.44	-	-	386	2.25
Maize.....	38	-	-	38	0.22	-	-	-	-
Sorghum.....	386	386	3.27	386	2.22	-	-	386	2.25
Oile seed.....	2	2	0.02	2	0.01	-	-	-	-
Vegetables.....	3	3	0.03	3	0.02	3	0.4	3	0.02
Root Crops.....	2	2	0.02	2	0.01	2	0.27	2	0.01
Cotton	16403	11295	95.76	16403	94.44	225	30	16369	95.32
Permanet crops...	16938	11402	96.67	16938	97.52	745	99.33	16782	97.72
Fruit Crops.....	534	107	0.91	534	3.07	520	69.33	413	2.4
Avocado.....	-	-	-	-	-	-	-	-	-
Bannas.....	357	107	0.91	357	2.06	354	47.2	247	1.44
Lemons.....	46	-	-	46	0.26	45	6	45	0.26
Mangos.....	20	-	-	20	0.12	19	2.53	19	0.11
Oranges.....	54	-	-	54	0.31	50	6.67	50	0.29
Papayas.....	25	-	-	25	0.14	24	3.2	24	0.14
Other	30	-	-	30	0.17	28	3.73	28	0.16
Other Fruit....	2	-	-	2	0.01	-	-	-	-
Stimulant Crop..	1	-	-	1	0.01	-	-	-	-

TABLE 4.1.1.4 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR ALL LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), BOTH SEASONS.

Amhara — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	22340	8009	100	860	100	9976	100	8817	100
Grains Crops....	20578	7185	89.71	399	46.4	9588	96.11	8435	95.67
Cereals.....	14131	7114	88.83	363	42.21	7535	75.53	7054	80
Teff.....	645	230	2.87	36	4.19	322	3.23	255	2.89
Barley.....	96	3	0.04	3	0.35	5	0.05	3	0.03
Wheat.....	281	70	0.87	2	0.23	194	1.94	21	0.24
Maize.....	7010	6699	83.64	238	27.67	6705	67.21	6232	70.68
Sorghum.....	5837	24	0.3	1	0.12	141	1.41	463	5.25
Millet.....	13	-	-	-	—	3	0.03	-	—
Rice.....	243	88	1.1	80	9.3	163	1.63	80	0.91
Other Cereal..	6	-		3	0.35	2	0.02	-	—
Pulse.....	4967	67	0.84	19	2.21	2039	20.44	1129	12.8
Horse beans...	2576	-	-	-	—	6	0.06	4	0.05
Field peas....	16	3	0.04	3	0.35	3	0.03	3	0.03
Haricot beans.	13	-	-	-	-	-	-	-	—
Chick peas....	168	57	0.71	2	0.23	-	-	54	0.61
Lentiles.....	41	-	-	-	—	2	0.02	-	-	—
Vetch.....	42	-	-	-	-	-	-	-	—
Soya.....	2069	1	0.01	-	-	2019	20.24	1065	12.08
Fenugreek.....	20	-	_	1	0.12	3	0.03	-	-	
Other Pulse...	22	6	0.07	14	1.63	5	0.05	3	0.03
Oile seed.....	1456	-	-	-	—	13	0.13	234	2.65
Nueg.....	103	-	-	-	—	-	-	-	—
Sesame.....	1347	-	-	-	—	13	0.13	233	2.64
Other Oile S..	5	-	-	-	—	-		1	0.01
Other Grain....	24	4	0.05	17	1.98	1	0.01	18	0.2
Cotton	1111	622	7.77	-		20	0.2	202	2.29
Vegetables.....	378	74	0.92	226	26.28	273	2.74	60	0.68
Cabbage.....	11	10	0.12	11	1.28	1	0.01	4	0.05
Tomatoes.....	98	42	0.52	42	4.88	18	0.18	37	0.42
Red paper.....	244	5	0.06	151	17.56	242	2.43	6	0.07
Other Vege.....	25	16	0.2	21	2.44	12	0.12	13	0.15
Root Crops.....	133	85	1.06	112	13.02	57	0.57	74	0.84
Carrot.....	12	11	0.14	12	1.4	1	0.01	-	—
Onion.....	89	65	0.81	80	9.3	48	0.48	70	0.79
Other Root C...	31	10	0.12	20	2.33	8	0.08	3	0.03
Permanet crops...	1251	665	8.3	123	14.3	58	0.58	248	2.81
Fruit Crops.....	84	40	0.5	80	9.3	29	0.29	46	0.52
Bannas.....	15	2	0.02	12	1.4	2	0.02	5	0.06
Mangos.....	14	8	0.1	14	1.63	7	0.07	8	0.09
Oranges.....	15	10	0.12	15	1.74	10	0.1	13	0.15
Papayas.....	25	13	0.16	24	2.79	4	0.04	15	0.17
Other	3	2	0.02	3	0.35	-	-	1	0.01
Other Fruit....	11	6	0.07	11	1.28	5	0.05	4	0.05
Stimulant Crop..	18	3	0.04	11	1.28	8	0.08	-	-	—
Coffee.....	16	1	0.01	11	1.28	8	0.08	-	-	—
Other Stimulant	2	1	0.01	-	-	-	-	-	-	—
Other Permanent.	1038	-	—	32	3.72	1	0.01	-	-	—
Sugar Cane.....	38	-	—	32	3.72	1	0.01	-	-	—

TABLE 4.1.1.5 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR ALL LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), BOTH SEASONS.

Oromia — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	118436	64715	100	25135	100	98176	100	80392	100
Grains Crops....	86216	47033	72.68	2697	10.73	69737	71.03	52517	65.33
Cereals.....	77793	44056	68.08	2468	9.82	63549	64.73	50309	62.58
Teff.....	633	32	0.05	80	0.32	356	0.36	335	0.42
Barley.....	816	364	0.56	3	0.01	792	0.81	748	0.93
Wheat.....	48509	30596	47.28	1	–	48421	49.32	38289	47.63
Maize.....	20427	12764	19.72	2383	9.48	13395	13.64	10839	13.48
Sorghum.....	7362	299	0.46	2	0.01	568	0.58	98	0.12
Millet.....	31	–	–	–	–	15	0.02	–	–
Other Cereal..	16	1	–	–	–	3	–	–	–
Pulse.....	4045	1971	3.05	207	0.82	3590	3.66	904	1.12
Horse beans...	913	287	0.44	–	–	883	0.9	378	0.47
Field peas....	181	41	0.06	–	–	111	0.11	42	0.05
Haricot beans.	958	668	1.03	203	0.81	770	0.78	203	0.25
Chick peas....	34	–	–	–	–	5	0.01	–	–
Soya.....	1943	975	1.51	4	0.02	1814	1.85	282	0.35
Other Pulse...	17	–	–	1	–	7	0.01	–	–
Oile seed.....	4315	989	1.53	7	0.03	2579	2.63	1253	1.56
Nueg.....	985	–	–	–	–	7	0.01	–	–
Linseed.....	62	5	0.01	–	–	44	0.04	32	0.04
Ground nuts...	17	–	–	–	–	3	–	–	–
Sesame.....	1061	188	0.29	–	–	334	0.34	–	–
Rapeseed.....	2184	789	1.22	–	–	2184	2.22	1215	1.51
Other Oile S..	7	7	0.01	7	0.03	7	0.01	7	0.01
Other Grain....	63	17	0.03	15	0.06	19	0.02	51	0.06
Cotton	532	517	0.8	465	1.85	532	0.54	532	0.66
Vegetables.....	1798	1612	2.49	1646	6.55	1720	1.75	1482	1.84
Cabbage.....	44	39	0.06	43	0.17	43	0.04	24	0.03
Tomatoes.....	808	764	1.18	808	3.21	806	0.82	769	0.96
Green pepper...	87	50	0.08	86	0.34	64	0.07	63	0.08
Red paper.....	151	71	0.11	5	0.02	102	0.1	115	0.14
Other.....	685	673	1.04	685	2.73	685	0.7	499	0.62
Other Vege.....	21	15	0.02	19	0.08	19	0.02	12	0.01
Root Crops.....	605	432	0.67	557	2.22	555	0.57	519	0.65
Beet root.....	13	10	0.02	11	0.04	12	0.01	3	–
Onion.....	539	415	0.64	517	2.06	509	0.52	495	0.62
Potatoes.....	26	–	–	20	0.08	25	0.03	18	0.02
Other Root C...	27	6	0.01	9	0.04	10	0.01	3	–
Permanet crops...	29817	15638	24.16	20235	80.51	26164	26.65	25874	32.18
Fruit Crops.....	1137	729	1.13	1018	4.05	1021	1.04	941	1.17
Avocado.....	61	41	0.06	10	0.04	39	0.04	3	–
Bannas.....	45	17	0.03	19	0.08	19	0.02	–	–
Guava(Zeytuna).	57	57	0.09	56	0.22	56	0.06	55	0.07
Mangos.....	131	85	0.13	103	0.41	85	0.09	84	0.1
Oranges.....	460	213	0.33	453	1.8	452	0.46	449	0.56
Papayas.....	56	6	0.01	53	0.21	46	0.05	26	0.03
Other	323	308	0.48	321	1.28	322	0.33	322	0.4
Other Fruit....	4	2		2	0.01	4	–	2	–
Stimulant Crop..	10315	7989	12.34	1830	7.28	6829	6.96	6629	8.25
Chat.....	44	1		24	0.1	12	0.01	6	0.01
Coffee.....	10266	7989	12.34	1805	7.18	6816	6.94	6623	8.24
Other Stimulant	5	–		2	0.01	2	–	–	–
Other Permanent.	18365	6920	10.69	17387	69.17	18314	18.65	18304	22.77
Enset.....	21	–		5	0.02	5	0.01	–	–
Sugar Cane.....	16417	5885	9.09	16449	65.44	16381	16.69	16378	20.37
Tea	860	–	–	–	–	860	0.88	860	1.07
Other	3	1	–	3	0.01	3	–	2	–

TABLE 4.1.1.6 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR ALL LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), BOTH SEASONS.

Somale — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	457	129	100	339	100	187	100	71	100
Grains Crops....	244	63	48.84	139	41	126	67.38	67	94.37
Cereals.....	230	62	48.06	126	37.17	122	65.24	67	94.37
Maize.....	158	59	45.74	98	28.91	96	51.34	67	94.37
Sorghum.....	68	2	1.55	26	7.67	26	13.9	–	–
Other Cereal..	5	2	1.55	2	0.59	–	–	–	–
Pulse.....	10	1	0.78	9	2.65	–	–	–	–
Other Pulse...	10	1	0.78	9	2.65	–	–	–	–
Oile seed.....	4	–	–	4	1.18	4	2.14	–	–
Other Oile S..	4	–	–	4	1.18	4	2.14	–	–
Vegetables.....	30	–	–	29	8.55	12	6.42	–	–
Other Vege.....	30	–	–	29	8.55	12	6.42	–	–
Root Crops.....	23	3	2.33	23	6.78	9	4.81	4	5.63
Other Root C...	22	3	2.33	22	6.49	9	4.81	4	5.63
Permanet crops...	160	63	48.84	148	43.66	40	21.39	–	–
Fruit Crops.....	141	57	44.19	133	39.23	37	19.79	–	–
Guava(Zeytuna).	38	3	2.33	34	10.03	10	5.35	–	–
Mangos.....	56	47	36.43	56	16.52	9	4.81	–	–
Papayas.....	24	5	3.88	20	5.9	1	0.53	–	–
Other	7	–		7	2.06	6	3.21	–	–
Other Fruit....	16	2	1.55	16	4.72	11	5.88	–	–
Stimulant Crop..	18	6	4.65	14	4.13	3	1.6	–	–
Other Permanent.	1	–		1	0.29	–	–	–	–

TABLE 4.1.1.7 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR ALL LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), BOTH SEASONS.

Benshangul-Gumuz — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	3702	546	100	79	100	1517	100	662	100
Grains Crops....	3359	489	89.56	42	53.16	1269	83.65	428	64.65
Cereals.....	1229	387	70.88	42	53.16	588	38.76	204	30.82
Teff.....	16	1	0.18	-	-	1	0.07	-	-
Maize.....	606	384	70.33	42	53.16	534	35.2	172	25.98
Sorghum.....	602	2	0.37	-	-	53	3.49	30	4.53
Other Cereal..	5	-	-	-	-	-	-	2	0.3
Pulse.....	925	25	4.58	-	-	678	44.69	189	28.55
Haricot beans.	14	-	-	-	-	4	0.26	-	-
Soya.....	910	25	4.58	-	-	674	44.43	189	28.55
Other Pulse...	1	-	-	-	-	-	-	-	-
Oile seed.....	1205	77	14.1	-	-	3	0.2	35	5.29
Nueg.....	533	2	0.37	-	-	-	-	2	0.3
Ground nuts...	28	-	-	-	-	-	-	-	-
Sesame.....	644	75	13.74	-	-	3	0.2	33	4.98
Cotton	230	-	-	-	-	230	15.16	230	34.74
Vegetables.....	54	42	7.69	22	27.85	3	0.2	-	-
Red paper.....	51	40	7.33	20	25.32	3	0.2	-	-
Other Vege.....	2	1	0.18	2	2.53	-	-	-	-
Root Crops.....	3	2	0.37	2	2.53	1	0.07	-	-
Carrot.....	1	-	-	-	-	-	-	-	-
Other Root C...	2	2	0.37	2	2.53	1	0.07	-	-
Permanet crops...	286	13	2.38	13	16.46	244	16.08	234	35.35
Fruit Crops.....	44	11	2.01	12	15.19	14	0.92	2	0.3
Mangos.....	22	1	0.18	1	1.27	1	0.07	2	0.3
Other	6	6	1.1	6	7.59	6	0.4	-	-
Other Fruit....	15	4	0.73	5	6.33	7	0.46	-	-
Stimulant Crop..	11	2	0.37	1	1.27	-	-	2	0.3
Other Stimulant	11	2	0.37	1	1.27	-	-	2	0.3
Other Permanent.	1	-	-	-	-	-	-	-	-

TABLE 4.1.1.8 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR ALL LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), BOTH SEASONS.

(S.N.N.P.R) IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	26872	21920	100	4665	100	20129	100	20646	100
Grains Crops....	5992	4020	18.34	1084	23.24	4528	22.49	3884	18.81
Cereals.....	4986	3805	17.36	879	18.84	4159	20.66	3562	17.25
Teff.....	234	24	0.11	-	-	97	0.48	136	0.66
Barley.....	13	-	-	-	-	4	0.02	6	0.03
Wheat.....	755	188	0.86	-	-	599	2.98	738	3.57
Maize.....	3749	3433	15.66	849	18.2	3409	16.94	2628	12.73
Sorghum.....	214	160	0.73	30	0.64	51	0.25	44	0.21
Millet.....	18	-	-	-	-	-	-	10	0.05
Other Cereal..	4	-	-	-	-	-	-	-	-
Pulse.....	437	125	0.57	1	0.02	153	0.76	124	0.6
Horse beans...	92	-	-	-	-	77	0.38	-	-
Field peas....	15	-	-	-	-	-	-	-	-
Haricot beans.	174	95	0.43	1	0.02	20	0.1	20	0.1
Chick peas....	155	30	0.14	-	-	55	0.27	104	0.5
Oile seed.....	207	3	0.01	-	-	10	0.05	-	-
Nueg.....	62	-	-	-	-	10	0.05	-	-
Sesame.....	144	3	0.01	-	-	-	-	-	-
Other Oile S..	1	-	-	-	-	-	-	-	-
Other Grain....	362	87	0.4	204	4.37	206	1.02	198	0.96
Cotton	1574	600	2.74	1570	33.65	1570	7.8	604	2.93
Vegetables.....	237	95	0.43	90	1.93	171	0.85	125	0.61
Tomatoes.....	91	91	0.42	81	1.74	79	0.39	79	0.38
Green pepper...	44	-	-	-	-	-	-	-	-
Red paper.....	89	-	-	-	-	82	0.41	38	0.18
Other Vege.....	12	4	0.02	9	0.19	9	0.04	7	0.03
Root Crops.....	285	69	0.31	34	0.73	52	0.26	41	0.2
Carrot.....	11	11	0.05	-	-	-	-	-	-
Onion.....	49	41	0.19	20	0.43	21	0.1	20	0.1
Potatoes.....	40	5	0.02	11	0.24	29	0.14	20	0.1
Garlic.....	166	-	-	-	-	-	-	-	-
Sweet potatoes.	2	-	-	-	-	-	-	-	-
Other Root C...	18	12	0.05	2	0.04	3	0.01	2	0.01
Permanet crops...	20358	17736	80.91	3457	74.11	15378	76.4	16596	80.38
Fruit Crops.....	552	166	0.76	219	4.69	208	1.03	55	0.27
Avocado.....	62	45	0.21	6	0.13	3	0.01	-	-
Bannas.....	386	52	0.24	145	3.11	136	0.68	-	-
Mangos.....	15	7	0.03	8	0.17	1	-	-	-
Oranges.....	52	47	0.21	45	0.96	45	0.22	45	0.22
Pineapples.....	20	-	-	-	-	18	0.09	-	-
Other	13	13	0.06	12	0.26	4	0.02	10	0.05
Other Fruit....	5	1	-	3	0.06	3	0.01	-	-
Stimulant Crop..	16448	15610	71.21	410	8.79	13267	65.91	14379	69.65
Coffee.....	16442	15610	71.21	410	8.79	13267	65.91	14379	69.65
Other Stimulant	6	-	-	-	-	-	-	-	-
Other Permanent.	1784	1360	6.20	1258	26.97	333	1.65	1558	7.55
Enset.....	20	-	-	-	-	5	0.02	-	-
Sugar Cane.....	85	-	-	8	0.17	11	0.05	-	-
Tea	1558	1249	5.7	1249	26.77	309	1.54	1558	7.55
Other	121	111	0.51	-	-	7	0.03	-	-

TABLE 4.1.1.9 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR ALL LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), BOTH SEASONS.

Gambela — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	Improved seed applied %	Irrigated Area	Irrigated %	Fertilizer Applied Area	Fertilizer Applied %	Pesticide Applied Area	Pesticide Applied %
TOTAL.....	681	652	100	1	100	184	100	602	100
Grains Crops....	33	5	0.77	-	-	-	-	18	2.99
Cereals.....	26	3	0.46	-	-	-	-	18	2.99
Maize.....	23	-	-	-	-	-	-	18	2.99
Other Cereal..	3	3	0.46	-	-	-	-	-	-
Oile seed.....	5	2	0.31	-	-	-	-	-	-
Other Grain....	2	-	-	-	-	-	-	-	-
Vegetables.....	1	-	-	1	100	-	-	-	-
Cotton	500	500	76.69	-	-	100	54.35	500	83.06
Permanet crops...	647	647	99.23	-	-	184	100	584	97.01
Fruit Crops.....	3	3	0.46	-	-	-	-	-	-
Other	3	3	0.46	-	-	-	-	-	-
Stimulant Crop..	144	144	22.09	-	-	84	45.65	84	13.95
Coffee.....	144	144	22.09	-	-	84	45.65	84	13.95

TABLE 4.1.1.10 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR ALL LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), BOTH SEASONS.

Addis Ababa — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	Improved seed applied %	Irrigated Area	Irrigated %	Fertilizer Applied Area	Fertilizer Applied %	Pesticide Applied Area	Pesticide Applied %
TOTAL.....	155	7	100	117	100	129	100	51	100
Grains Crops....	38	-	-	-	-	25	19.38	7	13.73
Cereals.....	23	-	-	-	-	23	17.83	1	1.96
Teff.....	19	-	-	-	-	19	14.73	1	1.96
Other Cereal..	4	-	-	-	-	4	3.1	-	-
Pulse.....	15	-	-	-	-	2	1.55	6	11.76
Vegetables.....	78	3	42.86	78	66.67	76	58.91	30	58.82
Lettuce.....	24	-	-	24	20.51	24	18.6	12	23.53
Kale.....	16	-	-	16	13.68	16	12.4	-	-
Swiss chard....	11	1	14.29	11	9.4	11	8.53	10	19.61
Other.....	12	1	14.29	12	10.26	12	9.3	5	9.8
Other Vege.....	14	1	14.29	14	11.97	13	10.08	3	5.88
Root Crops.....	38	4	57.14	38	32.48	28	21.71	14	27.45
Potatoes.....	15	-	-	15	12.82	10	7.75	4	7.84
Other Root C...	23	4	57.14	23	19.66	18	13.95	10	19.61
Permanet crops...	1	-	-	1	0.85	-	-	-	-
Other Permanent.	1	-	-	1	0.85	-	-	-	-

TABLE 4.1.1.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

Ethiopia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL	236085	85310	19073
Grains Crops	137588	47015	17657
Cereals	126325	45334	11544
Teff	841	42	364
Barley	803	1	721
Wheat	59223	10037	9433
Maize	64166	35143	546
Sorghum	1099	108	312
Millet	18	1	11
Rice	163	–	155
Other Cereal	12	1	3
Pulse	6478	352	3762
Horse beans	966	5	955
Field peas	115	49	41
Haricot beans	794	10	543
Chick peas	71	37	4
Lentiles	2	–	–
Soya	4508	241	2215
Fenugreek	3	–	–
Other Pulse	20	10	5
Oile seed	3260	15	2347
Nueg	17	5	2
Linseed	44	–	44
Ground nuts	3	1	–
Sesame	1001	5	118
Rapeseed	2184	–	2184
Other Oile S	11	4	–
Other Grain	1525	1314	3
Cotton	2677	–	1016
Vegetables	22406	20179	42
Lettuce	108	83	–
Cabbage	10064	10017	18
Kale	17	–	–
Tomatoes	903	8	11
Green pepper	77	13	1
Red paper	429	11	12
Swiss chard	10033	10021	–
Other	697	–	–
Other Vege	77	26	–
Root Crops	31992	16325	35
Beet root	12	1	1
Carrot	22	21	–
Onion	645	86	11
Potatoes	30064	15001	21
Sweet potatoes	1200	1200	–
Other Root C	49	16	3
Permanet crops	44099	1791	1338
Fruit Crops	3114	1383	146
Avocado	41	32	–
Bannas	510	16	128
Guava(Zeytuna)	1321	1262	–
Lemons	45	–	–
Mangos	121	12	–
Oranges	569	21	18
Papayas	76	4	–
Pineapples	18	–	–
Other	368	11	–
Other Fruit	44	25	–
Stimulant Crop	20193	385	175
Chat	12	9	–
Coffee	20174	370	175
Other Stimulant	7	7	–
Other Permanent	20793	23	1
Enset	11	9	–
Sugar Cane	14248	6	1
Tea	1169	–	–
Other	11	8	–

TABLE 4.1.1.2f TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

Tigray

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	105040	84077	-
Grains Crops....	52317	46382	-
Cereals.....	50349	45062	-
Teff.....	47	21	-
Barley.....	2	1	-
Wheat.....	10010	10000	-
Maize.....	40026	35018	-
Sorghum.....	261	21	-
Other Cereal..	3	1	-
Pulse.....	18	17	-
Chick peas....	11	11	-
Other Pulse...	7	6	-
Oile seed.....	651	2	-
Sesame.....	651	2	-
Other Grain....	1300	1300	-
Vegetables.....	20147	20134	-
Lettuce.....	83	83	-
Cabbage.....	10020	10016	-
Green pepper...	13	12	-
Swiss chard....	10022	10020	-
Other Vege.....	8	2	-
Root Crops.....	31289	16282	-
Carrot.....	21	20	-
Onion.....	67	61	-
Potatoes.....	30000	15000	-
Sweet potatoes.	1200	1200	-
Permanet crops...	1287	1280	-
Fruit Crops.....	1285	1278	-
Guava(Zeytuna).	1256	1255	-
Oranges.....	12	11	-
Other	2	2	-
Other Fruit....	15	10	-
Stimulant Crop..	2	2	-
Other Stimulant	2	2	-
Other Permanent.	1	1	-

TABLE 4.1.1.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

Afar

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	750	-	-
Vegetables.....	3	-	-
Other Vege.....	3	-	-
Root Crops.....	2	-	-
Other Root C...	2	-	-
Cotton	225	-	-
Permanet crops...	745	-	-
Fruit Crops.....	520	-	-
Bannas.....	354	-	-
Lemons.....	45	-	-
Mangos.....	19	-	-
Oranges.....	50	-	-
Papayas.....	24	-	-
Other	28	-	-

TABLE 4.1.1.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

Amhara

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	9975	184	888
Grains Crops....	9587	120	888
Cereals.....	7535	107	440
Teff.....	322	11	185
Barley.....	5	-	-
Wheat.....	194	27	-
Maize.....	6705	39	1
Sorghum.....	141	31	100
Millet.....	3	-	-
Rice.....	163	-	155
Other Cereal..	2	-	-
Pulse.....	2039	9	438
Horse beans...	6	3	3
Field peas....	3	3	-
Lentiles.....	2	-	-
Soya.....	2019	-	435
Fenugreek.....	3	-	-
Other Pulse...	5	3	-
Oile seed.....	13	3	10
Sesame.....	13	3	10
Rapeseed.....	-	-	-
Other Oile S..	-	-	-
Other Grain....	1	-	-
Vegetables.....	273	16	-
Cabbage.....	1	-	-
Tomatoes.....	18	5	-
Red paper.....	242	1	-
Other Vege.....	12	10	-
Root Crops.....	57	27	-
Carrot.....	1	1	-
Onion.....	48	20	-
Other Root C...	8	6	-
Cotton	20	-	-
Permanet crops...	58	21	-
Fruit Crops.....	29	20	-
Bannas.....	2	1	-
Mangos.....	7	6	-
Oranges.....	10	8	-
Papayas.....	4	1	-
Other Fruit....	5	4	-
Stimulant Crop..	8	1	-
Coffee.....	8	-	-
Other Permanent.	1	1	-
Sugar Cane.....	1	1	-

TABLE 4.1.1.5F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

Oromia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	98175	678	15334
Grains Crops....	69736	415	15209
Cereals.....	63549	102	10312
Teff.....	356	10	144
Barley.....	792	–	717
Wheat.....	48421	10	9225
Maize.....	13395	51	53
Sorghum.....	568	30	159
Millet.....	15	1	11
Other Cereal..	3	–	3
Pulse.....	3590	301	2556
Horse beans...	883	2	875
Field peas....	111	46	41
Haricot beans.	770	10	526
Chick peas....	5	1	4
Soya.....	1814	241	1106
Other Pulse...	7	1	5
Oile seed.....	2579	6	2337
Nueg.....	7	5	2
Linseed.....	44	–	44
Ground nuts...	3	1	–
Sesame.....	334	–	108
Rapeseed.....	2184	–	2184
Other Oile S..	7	–	–
Other Grain....	19	7	3
Vegetables.....	1720	8	31
Cabbage.....	43	1	18
Tomatoes.....	806	3	11
Green pepper...	64	1	1
Red paper.....	102	1	1
Other.....	685	–	–
Other Vege.....	19	1	–
Root Crops.....	555	9	18
Beet root.....	12	1	1
Onion.....	509	5	10
Potatoes.....	25	–	6
Other Root C...	10	3	2
Cotton	532	–	46
Permanet crops...	26164	245	76
Fruit Crops.....	1021	45	19
Avocado.....	39	31	–
Bannas.....	19	7	1
Guava(Zeytuna).	56	1	–
Mangos.....	85	–	–
Oranges.....	452	3	18
Papayas.....	46	2	–
Other	322	1	–
Other Fruit....	4	1	–
Stimulant Crop..	6829	192	11
Chat.....	12	9	
Coffee.....	6816	182	11
Other Stimulant	2	2	–
Other Permanent.	17782	8	–
Enset.....	5	5	–
Sugar Cane.....	16913	2	–
Tea	860	-	-
Other	3	-	-

TABLE 4.1.1.6F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

Somale

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	187	107	1
Grains Crops....	126	62	1
Cereals.....	122	58	1
Teff.....	-	-	-
Barley.....	-	-	-
Wheat.....	-	-	-
Maize.....	96	32	1
Sorghum.....	26	26	-
Millet.....	-	-	-
Oats.....	-	-	-
Rice.....	-	-	-
Other Cereal..	-	-	-
Pulse.....	-	-	-
Horse beans...	-	-	-
Field peas....	-	-	-
Haricot beans.	-	-	-
Chick peas....	-	-	-
Lentiles.....	-	-	-
Vetch.....	-	-	-
Soya.....	-	-	-
Fenugreek.....	-	-	-
Gibto.....	-	-	-
Other Pulse...	-	-	-
Oile seed.....	4	4	-
Nueg.....	-	-	-
Linseed.....	-	-	-
Ground nuts...	-	-	-
Sunflower.....	-	-	-
Sesame.....	-	-	-
Rapeseed.....	-	-	-
Other Oile S..	4	4	-
Other Grain....	-	-	-
Vegetables.....	12	12	-
Lettuce.....	-	-	-
Cabbage.....	-	-	-
Kale.....	-	-	-
Tomatoes.....	-	-	-
Green pepper...	-	-	-
Red paper.....	-	-	-
Swiss chard....	-	-	-
Other.....	-	-	-
Other Vege.....	12	12	-
Root Crops.....	9	6	-
Beet root.....	-	-	-
Carrot.....	-	-	-
Onion.....	-	-	-
Potatoes.....	-	-	-
Godere.....	-	-	-
Sweet potatoes.	-	-	-
Other Root C...	9	6	-
Permanet crops...	40	28	-
Fruit Crops.....	37	25	-
Avocado.....	-	-	-
Bannas.....	-	-	-
Guava(Zeytuna).	10	6	-
Lemons.....	-	-	-
Mangos.....	9	5	-
Oranges.....	-	-	-
Papayas.....	1	1	-
Pineapples.....	-	-	-
Other	6	6	-
Other Fruit....	11	7	-
Stimulant Crop..	3	3	-
Chat.....	-	-	-
Coffee.....	-	-	-
Other Stimulant	3	3	-

TABLE 4.1.1.7F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

Benshangul-Gumuz

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	1517	1	732
Grains Crops....	1268	-	732
Cereals.....	588	-	54
Teff.....	1	-	1
Maize.....	534	-	-
Sorghum.....	53	-	53
Pulse.....	678	-	678
Haricot beans.	4	-	4
Soya.....	674	-	674
Oile seed.....	3	-	-
Sesame.....	3	-	-
Vegetables.....	3	-	-
Red paper.....	3	-	-
Root Crops.....	1	1	-
Other Root C...	1	1	-
Cotton	230	-	-
Permanet crops...	244	-	-
Fruit Crops.....	14	-	-
Mangos.....	1	-	-
Other	6	-	-
Other Fruit....	7	-	-

TABLE 4.1.1.8F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

(S.N.N.P.R)

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	20128	263	2116
Grains Crops....	4528	37	827
Cereals.....	4159	5	737
Teff.....	97	1	35
Barley.....	4	—	4
Wheat.....	599	–	208
Maize.....	3409	4	491
Sorghum.....	51	–	–
Pulse.....	153	25	90
Horse beans...	77	–	76
Haricot beans.	20	–	13
Chick peas....	55	25	–
Oile seed.....	10	–	–
Nueg.....	10	–	–
Other Grain....	206	7	–
Vegetables.....	171	9	11
Tomatoes.....	79	–	–
Red paper.....	82	8	11
Other Vege.....	9	–	–
Root Crops.....	52	1	16
Onion.....	21	–	1
Potatoes.....	29	1	15
Other Root C...	3	–	1
Cotton	1570	–	970
Permanet crops...	15378	216	1262
Fruit Crops.....	208	14	127
Avocado.....	3	1	–
Bannas.....	136	9	127
Mangos.....	1	1	–
Oranges.....	45	–	–
Pineapples.....	18	–	–
Other	4	2	–
Other Fruit....	3	3	–
Stimulant Crop..	13267	188	164
Coffee.....	13267	188	164
Other Permanent.	333	14	1
Enset.....	5	4	–
Sugar Cane.....	11	3	1
Tea	309	–	–
Other	7	7	–

TABLE 4.1.1.9F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

Gambela

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	184	–	–
Cotton	100	–	–
Permanet crops...	84	–	–
Stimulant Crop..	84	–	–
Coffee.....	84	–	–

TABLE 4.1.1.10F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

Addis Ababa

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	129	-	1
Grains Crops....	25	-	-
Cereals.....	23	-	-
Teff.....	19	-	-
Other Cereal..	4	-	-
Pulse.....	2	-	-
Vegetables.....	76	-	-
Lettuce.....	24	-	-
Kale.....	16	-	-
Swiss chard....	11	-	-
Other.....	12	-	-
Other Vege.....	13	-	-
Root Crops.....	28	-	1
Potatoes.....	10	-	1
Other Root C...	18	-	-

TABLE 4.1.1.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

Ethiopia
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	17642	94307	19753
Grains Crops....	10556	60516	1844
Cereals.....	10329	58050	1068
Teff.....	36	366	33
Barley.....	5	74	2
Wheat.....	10010	29361	382
Maize.....	246	27946	284
Sorghum.....	30	282	367
Millet.....	1	5	-
Rice.....	-	8	-
Other Cereal..	-	7	1
Pulse.....	3	2289	72
Horse beans...	-	6	-
Haricot beans.	3	223	15
Lentiles.....	-	2	-
Soya.....	-	2052	-
Fenugreek.....	-	3	-
Other Pulse...	-	4	2
Oile seed.....	223	169	505
Nueg.....	-	10	-
Linseed.....	1	-	-
Ground nuts...	-	2	-
Sesame.....	223	157	498
Rapeseed.....	-		-
Other Grain....	1	8	199
Vegetables.....	151	2013	21
Lettuce.....	24	1	-
Cabbage.....	1	25	3
Kale.....	15	1	-
Tomatoes.....	20	862	3
Green pepper...	-	62	1
Red paper.....	54	347	5
Swiss chard....	12	1	-
Other.....	12	685	-
Other Vege.....	12	29	8
Root Crops.....	48	15580	4
Beet root.....	-	10	-
Onion.....	21	525	3
Potatoes.....	7	15034	1
Other Roo‘ C...	19	12	-
Permanet crops...	6887	16198	17885
Fruit Crops.....	114	1315	156
Avocado.....	-	10	-
Bannas.....	107	259	1
Guava(Zeytuna).	-	56	4
Lemons.....	-	45	-
Mangos.....	-	103	7
Oranges.....	1	403	126
Papayas.....	-	70	2
Pineapples.....	-	18	-
Other	-	345	12
Other Fruit....	7	7	6
Stimulant Crop..	3	13087	6543
Chat.....	1	2	-
Coffee.....	2	13084	6543
Other Stimulant	-	-	-
Other Permanent.	6770	1797	11186
Enset.....	1	-	-
Sugar Cane.....	6769	148	10001
Cotton	-	1646	15
Other	-	2	1

TABLE 4.1.1.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

Tigray
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA		DAP & UREA
	Hectars	Quintals	Hectars
TOTAL.....	161	13	20035
Grains Crops....	151	1	5019
Cereals.....	-	-	5018
Teff.....	-	-	4
Barley.....	-	-	1
Wheat.....	-	-	7
Maize.....	-	-	5006
Other Cereal..	-	-	1
Pulse.....	-	-	1
Other Pulse...	-		1
Oile seed.....	151	1	-
Sesame.....	151	1	-
Vegetables.....	3	2	9
Lettuce.....		1	1
Cabbage.....	-	-	3
Green pepper...	-	-	1
Red paper.....	-	-	-
Swiss chard....		1	1
Other Vege.....	2	1	4
Root Crops.....	3	5	15004
Onion.....	3	4	4
Potatoes.....	-	-	15000
Permanet crops...	4	5	3
Fruit Crops.....	4	5	3
Guava(Zeytuna).	-	-	
Oranges.....	1	1	1
Other	-	-	
Other Fruit....	4	5	1

TABLE 4.1.1.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

Afar
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA	DAP & UREA	OTHERS
	Hectars	Hectars	Hectars
TOTAL.....	107	643	-
Vegetables.....	-	3	-
Other Vege.....	-	3	-
Root Crops.....	-	2	-
Other Root C...	-	2	-
Cotton	-	225	-
Permanet crops...	107	413	-
Fruit Crops.....	107	413	-
Avocado.....	-		-
Bannas.....	107	247	-
Guava(Zeytuna).	-		-
Lemons.....	-	45	-
Mangos.....	-	19	-
Oranges.....	-	50	-
Papayas.....	-	24	-
Pineapples.....	-		-
Other -	-	28	-

TABLE 4.1.1.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

Amhara
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	93	8790	20
Grains Crops....	59	8505	15
Cereals.....	59	6914	15
Teff.....	4	119	4
Barley.....	2	4	-
Wheat.....	3	163	1
Maize.....	51	6614	1
Sorghum.....	-	-	10
Millet.....	-	3	-
Oats.....	-	-	-
Rice.....	-	8	-
Other Cereal..	-	2	-
Pulse.....	-	1591	-
Lentiles.....	-	2	-
Vetch.....	-	-	-
Soya.....	-	1584	-
Fenugreek.....	-	3	-
Gibto.....	-	-	-
Other Pulse...	-	2	-
Vegetables.....	14	242	1
Lettuce.....	-	-	-
Cabbage.....	1	-	-
Kale.....	-	-	-
Tomatoes.....	10	2	1
Green pepper...	-	-	-
Red paper.....	2	239	-
Swiss chard....	-	-	-
Other.....	-	-	-
Other Vege.....	1	1	-
Root Crops.....	20	10	1
Onion.....	19	9	1
Other Root C...	-	1	-
Cotton	-	20	-
Permanet crops...	-	13	3
Fruit Crops.....	-	-	3
Bannas.....	-	-	1
Mangos.....	-	-	-
Oranges.....	-	-	-
Papayas.....	-	-	2
Stimulant Crop..	-	7	-
Coffee.....	-	7	-

TABLE 4.1.1.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

Oromia
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	16975	53629	11559
Grains Crops....	10153	43464	495
Cereals.....	10082	42606	448
Teff.....	33	162	8
Barley.....	3	70	2
Wheat.....	10007	28960	219
Maize.....	8	13140	143
Sorghum.....	30	272	77
Millet.....	1	2	-
Pulse.....	-	692	40
Horse beans...	-	5	-
Haricot beans.	-	219	-
Soya.....	-	468	-
Other Pulse...	-	1	-
Oile seed.....	71	158	-
Linseed.....	1		-
Ground nuts...	-	2	-
Sesame.....	70	156	-
Other Grain....	-	8	-
Vegetables.....	55	1609	17
Cabbage.....	1	22	2
Kale.....	-		-
Tomatoes.....	10	781	2
Green pepper...	-	61	
Red paper.....	44	50	5
Other.....	-	685	-
Other Vege.....	-	10	7
Root Crops.....	1	524	2
Beet root.....	-	10	-
Carrot.....			-
Onion.....	-	492	2
Potatoes.....	-	18	-
Other Root C...	-	4	-
Cotton	-	471	15
Permanet crops...	6766	7560	11030
Fruit Crops.....		814	142
Avocado.....	-	8	-
Bannas.....	-	12	-
Guava(Zeytuna).	-	55	-
Mangos.....	-	81	3
Oranges.....	-	305	126
Papayas.....	-	44	-
Other	-	308	12
Other Fruit....	-	1	1
Stimulant Crop..	1	6599	27
Chat.....	1	2	-
Coffee.....	-	6597	26
Other Permanent.	6766	147	10861
Enset.....	-	-	-
Sugar Cane.....	6766	145	10000
Other	-	-	1

TABLE 4.1.1.6FTOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

Somale
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	3	65	11
Grains Crops....	-	63	-
Cereals.....	-	63	-
Maize.....	-	63	-
Root Crops.....	3	-	-
Other Root C...	3	-	-
Permanet crops...	-	1	-
Fruit Crops.....	-	1	-
Avocado.....	-	-	-
Bannas.....	-	-	-
Guava(Zeytuna).	-	-	-
Lemons.....	-	-	-
Mangos.....	-	-	-
Other Fruit....	-	-	-

TABLE 4.1.1.7F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

Benshangul-Gumuz
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	5	771	8
Grains Crops....	2	527	8
Cereals.....	-	526	8
Maize.....	-	526	8
Sorghum.....		-	-
Oile seed.....	2	1	-
Nueg.....	-	-	-
Sesame.....	2	1	-
Vegetables.....	-	3	-
Red paper.....	-	3	-
Cotton	-	230	-
Permanet crops...	3	11	-
Fruit Crops.....	3	11	-
Avocado.....	-	-	-
Bannas.....	-	-	-
Guava(Zeytuna).	-	-	-
Lemons.....	-	-	-
Mangos.....		1	-
Oranges.....	-	-	-
Papayas.....	-	-	-
Pineapples.....	-	-	-
Other		6	-
Other Fruit....	3	4	-

TABLE 4.1.1.8F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

(S.N.N.P.R)
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	207	10156	7386
Grains Crops....	191	2914	558
Cereals.....	187	2900	330
Teff.....	–	61	–
Wheat.....	–	231	160
Maize.....	187	2597	130
Sorghum.....	–	10	40
Pulse.....	3	5	30
Horse beans...	–	1	–
Field peas....	–	–	–
Haricot beans.	3	4	–
Oile seed.....	–	10	–
Nueg.....	–	10	–
Other Grain....	1	–	198
Vegetables.....	8	142	–
Tomatoes.....	–	79	–
Green pepper...	–	–	–
Red paper.....	8	55	–
Other Vege.....	–	8	–
Root Crops.....	2	32	–
Beet root.....	–	–	–
Carrot.....	–	–	–
Onion.....	–	20	–
Potatoes.....	2	11	–
Other Root C...	–	2	–
Cotton	–	600	
Permanet crops...	6	7067	6827
Fruit Crops.....	–	67	–
Avocado.....	–	2	–
Oranges.....	–	45	–
Papayas.....	–		–
Pineapples.....	–	18	–
Other	–	2	–
Other Fruit....	–		–
Stimulant Crop..	2	6396	6517
Chat.....	–		–
Coffee.....	2	6396	6517
Other Permanent.	4	4	1
Enset.....	1	–	–
Sugar Cane.....	3	4	–

TABLE 4.1.1.9F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

Gambela
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	–	184	–
Cotton	–	100	–
Permanet crops...	–	184	–
Stimulant Crop..	–	84	–
Chat.....	–	–	–
Coffee.....	–	84	–

TABLE 4.1.1.10F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS, 2001/02 (1994 E.C.), BOTH SEASONS

Addis Ababa
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	91	35	-
Grains Crops....	-	23	-
Cereals.....	-	23	-
Teff.....	-	19	-
Barley.....	-	-	-
Wheat.....	-	-	-
Maize.....	-	-	-
Sorghum.....	-	-	-
Millet.....	-	-	-
Oats.....	-	-	-
Rice.....	-	-	-
Other Cereal..	-	4	-
Pulse.....	-		2
Horse beans...	-	-	-
Field peas....	-	-	-
Haricot beans.	-	-	-
Chick peas....	-	-	-
Lentiles.....	-	-	-
Vetch.....	-	-	-
Soya.....	-	-	-
Fenugreek.....	-	-	-
Gibto.....	-	-	-
Other Pulse...	-		2
Oile seed.....	-	-	-
Nueg.....	-	-	-
Linseed.....	-	-	-
Ground nuts...	-	-	-
Sunflower.....	-	-	-
Sesame.....	-	-	-
Rapeseed.....	-	-	-
Other Oile S..	-	-	-
Other Grain....	-	-	-
Vegetables.....	72	5	-
Lettuce.....	24	-	-
Cabbage.....	-	-	-
Kale.....	15	1	-
Tomatoes.....	-	-	-
Green pepper...	-	-	-
Red paper.....	-	-	-
Swiss chard....	11	-	-
Other.....	12	-	-
Other Vege.....	9	3	-
Root Crops.....	19	8	-
Beet root.....	-	-	-
Carrot.....	-	-	-
Onion.....	-	-	-
Potatoes.....	4	5	-
Sweet potatoes.	-	-	-
Other Root C...	15	3	-

TABLE 1.1.1.1D. TOTAL DAMAGED CROPLAND AREA BY CAUSES AND REGION DAMAGE FOR LARGE AND MEDIUM SCALE FARMS 2001/02(1994 E.C.), BOTH SEASON. ALL FARMS

TYPE OF CROP DAMAGE	Total damaged crop land area in hectares									
	Country Level Total	REGIONS								
		Tigray	Afar	Amhara	Oromiya	Somale	Bensh-Gum	SNNPR	Gambela	Addis A.
Total	73844	46089	2473	4840	18885	37	738	743	24	19
Percent	100	62.41	3.35	6.55	25.57	0.05	1.00	1.01	0.03	0.03
Crop Disease.....	110	28	-	20	21	8	12	22	-	-
Percent	0.15	25.45	-	18.18	19.09	7.27	10.91	20.00	-	-
Frost of Flood.....	8428	4608	1514	491	1456	1	215	133	1	9
Percent	11.41	54.67	17.96	5.83	17.28	0.01	2.55	1.58	0.01	0.11
Locust.....	2318	1293	657	179	180	4	-	5	-	-
Percent	3.14	55.78	28.34	7.72	7.77	0.17	-	0.22	-	-
Shortage of Rain....	2258	98	-	682	1362	2	5	108	-	1
Percent	3.06	4.34	-	30.20	60.32	0.09	0.22	4.78	-	0.04
Too Much Rain.....	13142	12275	-	29	476	-	358	5	-	-
Percent	17.80	93.40	-	0.22	3.62	-	2.72	0.04	-	-
Wild Animals.....	1	1	-	-	-	-	-	-	-	-
Percent	0.00	100	-	-	-	-	-	-	-	-
Birds.....	2351	1276	282	199	252	-	138	195	-	9
Percent	3.18	54.27	11.99	8.46	10.72	-	5.87	8.29	-	0.38
Snow.....	1	-	-	1	-	-	-	-	-	-
Percent	0.00	-	-	100	-	-	-	-	-	-
Pests and Insects...	45235	26510	20	3239	15138	22	10	275	23	-
Percent	61.26	58.61	0.04	7.16	33.47	0.05	0.02	0.61	0.05	-

TABLE 4.1.2.1 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), MAIN SEASON.

Ethiopia — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	314358	119634	100	47276	100	186036	100	155407	100
Grains Crops....	212249	70626	59.04	4065	8.6	119478	64.22	84617	54.45
Cereals.....	159883	66406	55.51	3741	7.91	108416	58.28	68706	44.21
Teff.....	1585	302	0.25	96	0.2	838	0.45	759	0.49
Barley.....	921	367	0.31	4	0.01	803	0.43	757	0.49
Wheat.....	59556	40863	34.16	12	0.03	59223	31.83	39051	25.13
Maize.....	53295	23101	19.31	3107	6.57	46266	24.87	19722	12.69
Sorghum.....	44205	1683	1.41	440	0.93	1099	0.59	8325	5.36
Millet.....	62	-	-	-	-	18	0.01	10	0.01
Rice.....	243	88	0.07	80	0.17	163	0.09	80	0.05
Other Cereal..	17	2	-	2	-	6	-	2	-
Pulse.....	10349	2179	1.82	216	0.46	6456	3.47	2370	1.53
Horse beans...	3581	287	0.24	-	-	966	0.52	382	0.25
Field peas....	212	44	0.04	3	0.01	115	0.06	45	0.03
Haricot beans.	1099	756	0.63	204	0.43	777	0.42	223	0.14
Chick peas....	386	90	0.08	2	-	71	0.04	174	0.11
Lentiles.....	41	-	-	-	-	2	-	-	-
Vetch.....	42	-	-	-	-	-	-	-	-
Soya.....	4922	1001	0.84	4	0.01	4508	2.42	1536	0.99
Fenugreek.....	20	-	-	1	-	3	-	-	-
Other Pulse...	45	1		3	0.01	15	0.01	10	0.01
Oile seed.....	40457	1933	1.62	13	0.03	3260	1.75	13414	8.63
Nueg.....	1683	2	-	-	-	17	0.01	2	
Linseed.....	62	5	-	-	-	44	0.02	32	0.02
Ground nuts...	45	-	-	-	-	3	-	-	-
Sesame.....	36459	1126	0.94	-	-	1001	0.54	12158	7.82
Rapeseed.....	2184	789	0.66	-	-	2184	1.17	1215	0.78
Other Oile S..	24	11	0.01	13	0.03	11	0.01	8	0.01
Other Grain....	1560	108	0.09	95	0.2	1346	0.72	127	0.08
Vegetables.....	12221	1686	1.41	1847	3.91	12088	6.5	1527	0.98
Lettuce.....	71	58	0.05	71	0.15	70	0.04	12	0.01
Cabbage.....	5047	42	0.04	46	0.1	5046	2.71	27	0.02
Tomatoes.....	743	724	0.61	736	1.56	728	0.39	732	0.47
Green pepper...	74	63	0.05	74	0.16	63	0.03	55	0.04
Red paper.....	515	96	0.08	156	0.33	428	0.23	159	0.1
Swiss chard....	5014	2	-	13	0.03	5013	2.69	11	0.01
Other.....	682	672	0.56	682	1.44	682	0.37	504	0.32
Other Vege.....	74	29	0.02	68	0.14	57	0.03	27	0.02
Root Crops.....	10639	443	0.37	572	1.21	10534	5.66	476	0.31
Beet root.....	13	10	0.01	11	0.02	12	0.01	3	-
Carrot.....	13	11	0.01	12	0.03	1	-	-	-
Onion.....	487	404	0.34	457	0.97	433	0.23	414	0.27
Potatoes.....	10062	5	-	47	0.1	10055	5.4	41	0.03
Other Root C...	63	12	0.01	45	0.1	33	0.02	18	0.01
Cotton	28852	14221	11.89	18274	38.65	2513	1.35	26894	17.31
Permanet crops...	50397	32658	27.3	22518	47.63	41423	22.27	41893	26.95
Fruit Crops.....	3782	1141	0.95	2034	4.3	3114	1.67	1469	0.95
Avocado.....	123	86	0.07	16	0.03	41	0.02	3	-
Bannas.....	803	179	0.15	534	1.13	510	0.27	251	0.16
Guava(Zeytuna).	1352	65	0.05	98	0.21	1321	0.71	55	0.04
Lemons.....	47	-	-	47	0.1	45	0.02	45	0.03
Mangos.....	258	148	0.12	202	0.43	121	0.07	113	0.07
Oranges.....	594	278	0.23	579	1.22	569	0.31	568	0.37
Papayas.....	130	23	0.02	122	0.26	76	0.04	64	0.04
Pineapples.....	20	-	-	-	-	18	0.01	-	-
Other	386	333	0.28	380	0.8	368	0.2	361	0.23
Other Fruit....	70	29	0.02	56	0.12	44	0.02	8	0.01
Stimulant Crop..	26957	23754	19.86	2269	4.8	20193	10.85	21094	13.57
Chat.....	44	1	-	24	0.05	12	0.01	6	-
Coffee.....	26868	23744	19.85	2225	4.71	20174	10.84	21086	13.57
Other Stimulant	45	9	0.01	19	0.04	7	-	2	-
Other Permanent.	19658	7763	6.49	18215	38.53	18116	9.74	19330	12.43
Enset.....	40	-	-	5	0.01	11	0.01	-	-
Sugar Cane.....	17073	6402	5.35	16955	35.86	16925	9.1	16910	10.88
Tea	2418	1249	1.04	1249	2.64	1169	0.63	2418	1.56
Other	125	112	0.09	4	0.01	11	0.01	2	-
Other Perm.....	3	-	-	2	-	-	-	-	-

TABLE 4.1.2.2 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), MAIN SEASON.

Tigray — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	127100	12732	100	208	100	56169	100	27904	100
Grains Crops....	97021	11737	92.19	46	22.12	34765	61.89	19262	69.03
Cereals.....	62466	10874	85.41	44	21.15	32845	58.48	7349	26.34
Teff.....	120	18	0.14	3	1.44	47	0.08	39	0.14
Barley.....	22	1	0.01	1	0.48	2	-	1	-
Wheat.....	10012	10009	78.61	10	4.81	10010	17.82	3	0.01
Maize.....	22546	7	0.05	5	2.4	22525	40.1	3	0.01
Sorghum.....	29767	840	6.6	25	12.02	261	0.46	7304	26.18
Pulse.....	41	3	0.02	1	0.48	18	0.03	21	0.08
Chick peas....	29	3	0.02	-	-	11	0.02	17	0.06
Other Pulse...	12	-	-	1	0.48	7	0.01	4	0.01
Oile seed.....	33262	860	6.75	-	-	651	1.16	11892	42.62
Sesame.....	33262	860	6.75	-	-	651	1.16	11892	42.62
Other Grain....	1252	-	-	1	0.48	1251	2.23	-	-
Vegetables.....	10084	79	0.62	82	39.42	10080	17.95	6	0.02
Lettuce.....	59	58	0.46	59	28.37	58	0.1	-	-
Cabbage.....	5003	3	0.02	3	1.44	5003	8.91	3	0.01
Green pepper...	13	13	0.1	13	6.25	13	0.02	-	-
Swiss chard....	5002	1	0.01	2	0.96	5001	8.9	1	-
Other Vege.....	6	4	0.03	6	2.88	5	0.01	2	0.01
Root Crops.....	10038	35	0.27	38	18.27	10036	17.87	4	0.01
Onion.....	37	35	0.27	37	17.79	35	0.06	4	0.01
Potatoes.....	10000	-	-	-	-	10000	17.8	-	-
Cotton	8665	850	6.68	-	-	-	-	8620	30.89
Permanet crops...	1292	31	0.24	42	20.19	1288	2.29	12	0.04
Fruit Crops.....	1289	29	0.23	39	18.75	1285	2.29	12	0.04
Guava(Zeytuna).	1257	5	0.04	7	3.37	1256	2.24	-	-
Oranges.....	12	9	0.07	12	5.77	12	0.02	10	0.04
Other	2	1	0.01	2	0.96	2	-	-	-
Other Fruit....	17	14	0.11	17	8.17	15	0.03	2	0.01
Stimulant Crop..	2	1	0.01	2	0.96	2	-	-	-
Other Stimulant	2	1	0.01	2	0.96	2	-	-	-
Other Permanent.	1	1	0	1	0.48	1	-	-	-

TABLE 4.1.2.3 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), MAIN SEASON.

Afar — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	17369	11795	100	17369	100	750	100	17173	100
Grains Crops....	426	388	3.29	426	2.45	-	-	386	2.25
Cereals.....	424	386	3.27	424	2.44	-	-	386	2.25
Maize.....	38	-		38	0.22	-	-	-	-
Sorghum.....	386	386	3.27	386	2.22	-	-	386	2.25
Oile seed.....	2	2	0.02	2	0.01	-	-	-	-
Other Oile S..	2	2	0.02	2	0.01	-	-	-	-
Vegetables.....	3	3	0.03	3	0.02	3	0.4	3	0.02
Other Vege.....	3	3	0.03	3	0.02	3	0.4	3	0.02
Root Crops.....	2	2	0.02	2	0.01	2	0.27	2	0.01
Other Root C...	2	2	0.02	2	0.01	2	0.27	2	0.01
Cotton	16403	11295	95.76	16403	94.44	225	30	16369	95.32
Permanet crops...	535	107	0.91	535	3.08	520	69.33	413	2.40
Fruit Crops.....	534	107	0.91	534	3.07	520	69.33	413	2.4
Avocado.....	-	-	-	-	-	-	-	-	-
Bannas.....	357	107	0.91	357	2.06	354	47.2	247	1.44
Guava(Zeytuna).	-	-	-	-	-	-	-	-	-
Lemons.....	46	-	-	46	0.26	45	6	45	0.26
Mangos.....	20	-	-	20	0.12	19	2.53	19	0.11
Oranges.....	54	-	-	54	0.31	50	6.67	50	0.29
Papayas.....	25	-	-	25	0.14	24	3.2	24	0.14
Pineapples.....	-	-	-	-	-	-	-	-	-
Other	30	-	-	30	0.17	28	3.73	28	0.16
Other Fruit....	2	-	-	2	0.01	-	-	-	-
Stimulant Crop..	1	-	-	1	0.01	-	-	-	-
Other Stimulant	1	-	-	1	0.01	-	-	-	-

TABLE 4.1.2.4 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS.2001/02 (1994 E.C.), MAIN SEASON.

Amhara — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	21816	7883	100	492	100	9855	100	8690	100
Grains Crops....	20241	7159	90.82	158	32.11	9533	96.73	8399	96.65
Cereals.....	13830	7094	89.99	146	29.67	7486	75.96	7031	80.91
Teff.....	605	230	2.92	13	2.64	321	3.26	255	2.93
Barley.....	70	3	0.04	-	-	5	0.05	3	0.03
Wheat.....	281	70	0.89	2	0.41	194	1.97	21	0.24
Maize.....	6779	6679	84.73	51	10.37	6658	67.56	6209	71.45
Sorghum.....	5837	24	0.3	1	0.2	141	1.43	463	5.33
Millet.....	13	-	-	-	-	3	0.03	-	-
Rice.....	243	88	1.12	80	16.26	163	1.65	80	0.92
Other Cereal..	2	-	-	-	-	2	0.02	-	-
Pulse.....	4945	61	0.77	6	1.22	2033	20.63	1126	12.96
Horse beans...	2576	-	-	-	-	6	0.06	4	0.05
Field peas....	16	3	0.04	3	0.61	3	0.03	3	0.03
Haricot beans.	13	-	-	-	-	-	-	-	-
Chick peas....	168	57	0.72	2	0.41	-	-	54	0.62
Lentiles.....	41	-	-	-	-	2	0.02	-	-
Vetch.....	42	-	-	-	-	-	-	-	-
Soya.....	2069	1	0.01	-	-	2019	20.49	1065	12.26
Fenugreek.....	20	-	-	1	0.2	3	0.03	-	-
Oile seed.....	1456	-	-	-	-	13	0.13	234	2.69
Nueg.....	103	-	-	-	-	-	-	-	-
Sesame.....	1347	-	-	-	-	13	0.13	233	2.68
Other Oile S..	5	-	-	-	-	-	-	1	0.01
Other Grain....	10	4	0.05	6	1.22	1	0.01	8	0.09
Vegetables.....	269	26	0.33	168	34.15	251	2.55	19	0.22
Tomatoes.....	16	14	0.18	10	2.03	4	0.04	10	0.12
Red paper.....	244	5	0.06	151	30.69	242	2.46	6	0.07
Other Vege.....	9	7	0.09	7	1.42	5	0.05	3	0.03
Root Crops.....	56	34	0.43	44	8.94	13	0.13	24	0.28
Carrot.....	12	11	0.14	12	2.44	1	0.01	-	-
Onion.....	36	21	0.27	27	5.49	9	0.09	22	0.25
Other Root C...	8	2	0.03	5	1.02	3	0.03	1	0.01
Cotton	1111	622	7.89	-	-	20	0.2	202	2.32
Permanet crops...	1250	664	8.42	122	24.8	58	0.59	248	2.85
Fruit Crops.....	83	39	0.49	79	16.06	29	0.29	46	0.53
Bannas.....	15	2	0.03	12	2.44	2	0.02	5	0.06
Mangos.....	14	8	0.1	14	2.85	7	0.07	8	0.09
Oranges.....	15	10	0.13	15	3.05	10	0.1	13	0.15
Papayas.....	25	13	0.16	24	4.88	4	0.04	15	0.17
Other	2	1	0.01	2	0.41	-	-	1	0.01
Other Fruit....	11	6	0.08	11	2.24	5	0.05	4	0.05
Stimulant Crop..	18	3	0.04	11	2.24	8	0.08	-	-
Coffee.....	16	1	0.01	11	2.24	8	0.08	-	-
Other Stimulant	2	1	0.01	-	-	-	-	-	-
Other Permanent.	38	-	-	32	6.5	1	0.01	-	2.32
Enset.....	-	-	-	-	-	-	-	-	-
Sugar Cane.....	38	-	-	32	6.5	1	0.01	-	-

TABLE 4.1.2.5 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), MAIN SEASON.

Oromia — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	117070	64165	100	24390	100	97438	100	79819	100
Grains Crops....	85377	46876	73.06	2466	10.11	69499	71.33	52370	65.61
Cereals.....	76981	43906	68.43	2238	9.18	63316	64.98	50162	62.84
Teff.....	617	29	0.05	80	0.33	353	0.36	333	0.42
Barley.....	816	364	0.57	3	0.01	792	0.81	748	0.94
Wheat.....	48509	30596	47.68	1	-	48421	49.69	38289	47.97
Maize.....	19646	12618	19.66	2153	8.83	13168	13.51	10694	13.4
Sorghum.....	7362	299	0.47	2	0.01	568	0.58	98	0.12
Millet.....	31	-	-	-	-	15	0.02	-	-
Pulse.....	4018	1964	3.06	207	0.85	3585	3.68	904	1.13
Horse beans...	913	287	0.45	-	-	883	0.91	378	0.47
Field peas....	181	41	0.06	-	-	111	0.11	42	0.05
Haricot beans.	933	661	1.03	203	0.83	766	0.79	203	0.25
Chick peas....	34	-	-	-	-	5	0.01	-	-
Soya.....	1943	975	1.52	4	0.02	1814	1.86	282	0.35
Other Pulse...	14	-	-	-	-	6	0.01	-	-
Oile seed.....	4315	989	1.54	7	0.03	2579	2.65	1253	1.57
Nueg.....	985	-	-	-	-	7	0.01	-	-
Linseed.....	62	5	0.01	-	-	44	0.05	32	0.04
Ground nuts...	17	-	-	-	-	3	-	-	-
Sesame.....	1061	188	0.29	-	-	334	0.34	-	-
Rapeseed.....	2184	789	1.23	-	-	2184	2.24	1215	1.52
Other Oile S..	7	7	0.01	7	0.03	7	0.01	7	0.01
Other Grain....	63	17	0.03	14	0.06	19	0.02	51	0.06
Vegetables.....	1594	1473	2.3	1444	5.92	1529	1.57	1346	1.69
Cabbage.....	44	39	0.06	43	0.18	43	0.04	24	0.03
Tomatoes.....	647	630	0.98	647	2.65	645	0.66	644	0.81
Green pepper...	61	50	0.08	61	0.25	50	0.05	55	0.07
Red paper.....	151	71	0.11	5	0.02	102	0.1	115	0.14
Other.....	677	672	1.05	677	2.78	677	0.69	499	0.63
Other Vege.....	13	12	0.02	11	0.05	12	0.01	10	0.01
Root Crops.....	446	342	0.53	409	1.68	410	0.42	392	0.49
Beet root.....	13	10	0.02	11	0.05	12	0.01	3	-
Onion.....	393	327	0.51	373	1.53	368	0.38	367	0.46
Potatoes.....	26	-	-	20	0.08	25	0.03	18	0.02
Other Root C...	13	4	0.01	5	0.02	6	0.01	3	-
Cotton	368	353	0.55	301	1.23	368	0.38	368	0.46
Permanet crops...	29285	15121	23.57	19770	81.06	25632	26.31	25343	31.75
Fruit Crops.....	1137	729	1.14	1018	4.17	1021	1.05	941	1.18
Avocado.....	61	41	0.06	10	0.04	39	0.04	3	-
Bannas.....	45	17	0.03	19	0.08	19	0.02	-	-
Guava(Zeytuna).	57	57	0.09	56	0.23	56	0.06	55	0.07
Mangos.....	131	85	0.13	103	0.42	85	0.09	84	0.11
Oranges.....	460	213	0.33	453	1.86	452	0.46	449	0.56
Papayas.....	56	6	0.01	53	0.22	46	0.05	26	0.03
Other	323	308	0.48	321	1.32	322	0.33	322	0.4
Other Fruit....	4	2	-	2	0.01	4	-	2	-
Stimulant Crop..	10315	7989	12.45	1830	7.5	6829	7.01	6629	8.31
Chat.....	44	1	-	24	0.1	12	0.01	6	0.01
Coffee.....	10266	7989	12.45	1805	7.4	6816	7	6623	8.3
Other Stimulant	5	-	-	2	0.01	2	-	-	-
Other Permanent.	17833	6403	9.98	16922	69.38	17414	17.87	17405	21.81
Enset.....	21	-	-	5	0.02	5	0.01	-	-
Sugar Cane.....	16949	6402	9.98	16914	69.35	16913	17.36	16910	21.19
Tea	860	-	-	-	-	860	0.88	860	1.08
Other	3	1	-	3	0.01	3	-	2	-

TABLE 4.1.2.6 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), MAIN SEASON.

Somale — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	310	79	100	234	100	91	100	-	-
Grains Crops....	112	16	20.25	48	20.51	33	36.26	-	-
Cereals.....	105	15	18.99	42	17.95	29	31.87	-	-
Maize.....	32	12	15.19	14	5.98	3	3.3	-	-
Sorghum.....	68	2	2.53	26	11.11	26	28.57	-	-
Other Cereal..	5	2	2.53	2	0.85	-	-	-	-
Pulse.....	3	1	1.27	2	0.85	-	-	-	-
Other Pulse...	3	1	1.27	2	0.85	-	-	-	-
Oile seed.....	4	-	-	4	1.71	4	4.4	-	-
Other Oile S..	4	-	-	4	1.71	4	4.4	-	-
Vegetables.....	22	-	-	21	8.97	12	13.19	-	-
Other Vege.....	21	-	-	20	8.55	12	13.19	-	-
Root Crops.....	17	-	-	17	7.26	6	6.59	-	-
Other Root C...	17	-	-	17	7.26	6	6.59	-	-
Permanet crops...	159	63	79.75	148	63.25	40	43.96	-	-
Fruit Crops.....	140	57	72.15	133	56.84	37	40.66	-	-
Guava(Zeytuna).	38	3	3.8	34	14.53	10	10.99	-	-
Mangos.....	56	47	59.49	56	23.93	9	9.89	-	-
Papayas.....	24	5	6.33	20	8.55	1	1.1	-	-
Other	6	-	-	6	2.56	6	6.59	-	-
Other Fruit....	16	2	2.53	16	6.84	11	12.09	-	-
Stimulant Crop..	18	6	7.59	14	5.98	3	3.3	-	-
Other Stimulant	18	6	7.59	14	5.98	3	3.3	-	-
Other Permanent.	1	-	-	1	0.43	-	-	-	-

TABLE 4.1.2.7 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), MAIN SEASON.

Benshangul-Gumuz — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	3635	520	100	13	100	1516	100	662	100
Grains Crops....	3318	487	93.65	-	-	1269	83.71	428	64.65
Cereals.....	1188	385	74.04	-	-	588	38.79	204	30.82
Teff.....	16	1	0.19	-	-	1	0.07	-	-
Maize.....	564	382	73.46	-	-	534	35.22	172	25.98
Sorghum.....	602	2	0.38	-	-	53	3.5	30	4.53
Other Cereal..	5	-	-	-	-	-	-	2	0.3
Pulse.....	925	25	4.81	-	-	678	44.72	189	28.55
Haricot beans.	14	-	-	-	-	4	0.26	-	-
Soya.....	910	25	4.81	-	-	674	44.46	189	28.55
Other Pulse...	1	-	-	-	-	-	-	-	-
Oile seed.....	1205	77	14.81	-	-	3	0.2	35	5.29
Nueg.....	533	2	0.38	-	-	-	-	2	0.3
Ground nuts...	28	-	-	-	-	-	-	-	-
Sesame.....	644	75	14.42	-	-	3	0.2	33	4.98
Vegetables.....	31	20	3.85	-	-	3	0.2	-	-
Red paper.....	31	20	3.85	-	-	3	0.2	-	-
Cotton	230	-	-	-	-	230	15.17	230	34.74
Permanet crops...	56	13	2.5	13	100.00	14	0.92	4	0.60
Fruit Crops.....	44	11	2.12	12	92.31	14	0.92	2	0.3
Mangos.....	22	1	0.19	1	7.69	1	0.07	2	0.3
Other	6	6	1.15	6	46.15	6	0.4	-	-
Other Fruit....	15	4	0.77	5	38.46	7	0.46	-	-
Stimulant Crop..	11	2	0.38	1	7.69	-	-	2	0.3
Other Stimulant	11	2	0.38	1	7.69	-	-	2	0.3
Other Permanent.	1	-	-	-	-	230	15.17	230	34.74

TABLE 4.1.2.8 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), MAIN SEASON.

(S.N.N.P.R) IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	26269	21807	100	4501	100	19946	100	20508	100
Grains Crops....	5683	3960	18.16	922	20.48	4355	21.83	3748	18.28
Cereals.....	4842	3745	17.17	847	18.82	4129	20.7	3556	17.34
Teff.....	207	24	0.11	-	-	97	0.49	132	0.64
Barley.....	13	-	-	-	-	4	0.02	6	0.03
Wheat.....	755	188	0.86	-	-	599	3	738	3.6
Maize.....	3666	3403	15.61	847	18.82	3379	16.94	2626	12.8
Sorghum.....	183	130	0.6	-	-	51	0.26	44	0.21
Millet.....	18	-	-	-	-	-	-	10	0.05
Pulse.....	402	125	0.57	1	0.02	140	0.7	124	0.6
Horse beans...	92	-	-	-	-	77	0.39	-	-
Field peas....	15	-	-	-	-	-	-	-	-
Haricot beans.	139	95	0.44	1	0.02	7	0.04	20	0.1
Chick peas....	155	30	0.14	-	-	55	0.28	104	0.51
Oile seed.....	207	3	0.01	-	-	10	0.05	-	-
Nueg.....	62	-	-	-	-	10	0.05	-	-
Sesame.....	144	3	0.01	-	-	-	-	-	-
Other Oile S..	1	-	-	-	-	-	-	-	-
Other Grain....	232	87	0.4	74	1.64	76	0.38	68	0.33
Vegetables.....	178	83	0.38	89	1.98	170	0.85	124	0.6
Tomatoes.....	80	80	0.37	80	1.78	79	0.4	79	0.39
Red paper.....	89	-	-	-		82	0.41	38	0.19
Other Vege.....	9	3	0.01	9	0.2	9	0.05	7	0.03
Root Crops.....	50	28	0.13	33	0.73	43	0.22	40	0.2
Onion.....	21	21	0.1	20	0.44	20	0.1	20	0.1
Potatoes.....	21	5	0.02	11	0.24	20	0.1	19	0.09
Other Root C...	8	3	0.01	2	0.04	3	0.02	2	0.01
Cotton	1574	600	2.75	1570	34.88	1570	7.87	604	2.95
Permanet crops...	18784	17136	78.58	1887	41.92	13808	69.23	15992	77.98
Fruit Crops.....	552	166	0.76	219	4.87	208	1.04	55	0.27
Avocado.....	62	45	0.21	6	0.13	3	0.02	-	-
Bannas.....	386	52	0.24	145	3.22	136	0.68	-	-
Mangos.....	15	7	0.03	8	0.18	1	0.01	-	-
Oranges.....	52	47	0.22	45	1	45	0.23	45	0.22
Pineapples.....	20	-	-	-	-	18	0.09	-	
Other	13	13	0.06	12	0.27	4	0.02	10	0.05
Other Fruit....	5	1	-	3	0.07	3	0.02	-	
Stimulant Crop..	16448	15610	71.58	410	9.11	13267	66.51	14379	70.11
Chat.....	-	-	-	-	-	-	-	-	-
Coffee.....	16442	15610	71.58	410	9.11	13267	66.51	14379	70.11
Other Stimulant	6	-	-	-	-	-	-	-	-
Other Permanent.	1784	1360	6.24	1258	27.95	333	1.67	1558	7.60
Enset.....	20	-	-	-	-	5	0.03	-	-
Sugar Cane.....	85	-		8	0.18	11	0.06	-	-
Tea	1558	1249	5.73	1249	27.75	309	1.55	1558	7.6
Other	121	111	0.51	-	-	7	0.04	-	-

TABLE 4.1.2.9 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), MAIN SEASON.

Gambela IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	679	649	100	1	100	184	100	602	100
Grains Crops....	31	2	0.31	-	-	-	-	18	2.99
Cereals.....	24	-	-	-	-	-	-	18	2.99
Maize.....	23	-	-	-	-	-	-	18	2.99
Other Cereal..	1	-	-	-	-	-	-	-	-
Oile seed.....	5	2	0.31	-	-	-	-	-	-
Other Oile S..	5	2	0.31	-	-	-	-	-	-
Other Grain....	2	-	-	-	-	-	-	-	-
Vegetables.....	1	-	-	1	100	-	-	-	-
Other Vege.....	1	-	-	1	100	-	-	-	-
Cotton	500	500	77.04	-	-	100	54.35	500	83.06
Permanet crops...	147	147	22.65	-	-	84	45.65	84	13.95
Fruit Crops.....	3	3	0.46	-	-	-	-	-	-
Other	3	3	0.46	-	-	-	-	-	-
Stimulant Crop..	144	144	22.19	-	-	84	45.65	84	13.95
Coffee.....	144	144	22.19	-	-	84	45.65	84	13.95

TABLE 4.1.2.10 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), MAIN SEASON.

Addis Ababa — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	109	3	100	71	100	89	100	51	100
Grains Crops....	38	-	-	-	-	25	28.09	7	13.73
Cereals.....	23	-	-	-	-	23	25.84	1	1.96
Teff.....	19	-	-	-	-	19	21.35	1	1.96
Other Cereal..	4	-	-	-	-	4	4.49	-	-
Pulse.....	15	-	-	-	-	2	2.25	6	11.76
Other Pulse...	15	-	-	-	-	2	2.25	6	11.76
Vegetables.....	40	1	33.33	40	56.34	40	44.94	30	58.82
Lettuce.....	12	-	-	12	16.9	12	13.48	12	23.53
Swiss chard....	11	1	33.33	11	15.49	11	12.36	10	19.61
Other.....	5	-	-	5	7.04	5	5.62	5	9.8
Other Vege.....	11	-	-	11	15.49	11	12.36	3	5.88
Root Crops.....	30	2	66.67	30	42.25	24	26.97	14	27.45
Potatoes.....	15	-	-	15	21.13	10	11.24	4	7.84
Other Root C...	15	2	66.67	15	21.13	14	15.73	10	19.61
Permanet crops...	1	-	-	1	1.41	-	-	-	-
Other Permanent.	1	-	-	1	1.41	-	-	-	-

TABLE 4.1.2.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), MAIN SEASON

Ethiopia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	186035	56323	19021
Grains Crops....	119477	34387	17618
Cereals.....	108416	32762	11512
Teff.....	838	39	364
Barley.....	803	1	721
Wheat.....	59223	10037	9433
Maize.....	46266	22575	516
Sorghum.....	1099	108	312
Millet.....	18	1	11
Rice.....	163	-	155
Other Cereal..	6	-	-
Pulse.....	6456	345	3756
Horse beans...	966	5	955
Field peas....	115	49	41
Haricot beans.	777	6	537
Chick peas....	71	37	4
Lentiles.....	2	-	-
Soya.....	4508	241	2215
Fenugreek.....	3	-	-
Other Pulse...	15	7	5
Oile seed.....	3260	15	2347
Nueg.....	17	5	2
Linseed.....	44	-	44
Ground nuts...	3	1	
Sesame.....	1001	5	118
Rapeseed.....	2184	-	2184
Other Oile S..	11	4	-
Other Grain....	1346	1265	3
Vegetables.....	12088	10101	37
Lettuce.....	70	57	-
Cabbage.....	5046	5001	18
Tomatoes.....	728	1	5
Green pepper...	63	12	1
Red paper.....	428	10	12
Swiss chard....	5013	5000	-
Other.....	682	-	-
Other Vege.....	57	18	-
Root Crops.....	10534	10045	28
Beet root.....	12	1	1
Carrot.....	1	1	-
Onion.....	433	33	11
Potatoes.....	10055	10001	15
Other Root C...	33	9	1
Permanet crops...	43935	1791	1338
Fruit Crops.....	3114	1382	146
Avocado.....	41	32	-
Bannas.....	510	16	128
Guava(Zeytuna).	1321	1262	-
Lemons.....	45	-	-
Mangos.....	121	12	-
Oranges.....	569	21	18
Papayas.....	76	4	-
Pineapples.....	18	-	-
Other	368	11	-
Other Fruit....	44	25	
Stimulant Crop..	20193	385	175
Chat.....	12	9	-
Coffee.....	20174	370	175
Other Stimulant	7	7	-
Other Permanent.	20629	23	1017
Enset.....	11	9	-
Sugar Cane.....	16925	6	1
Cotton	2513	-	1016
Tea	1169	-	-
Other	11	8	-

TABLE 4.1.2.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), MAIN SEASON

Tigray

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	56169	55214	-
Grains Crops....	34765	33832	-
Cereals.....	32845	32561	-
Teff.....	47	21	-
Barley.....	2	1	-
Wheat.....	10010	10000	-
Maize.....	22525	22518	-
Sorghum.....	261	21	-
Pulse.....	18	17	-
Chick peas....	11	11	-
Other Pulse...	7	6	-
Oile seed.....	651	2	-
Sesame.....	651	2	-
Other Grain....	1251	1251	-
Vegetables.....	10080	10071	-
Lettuce.....	58	57	-
Cabbage.....	5003	5000	-
Green pepper...	13	12	-
Swiss chard....	5001	5000	-
Other Vege.....	5	1	-
Root Crops.....	10036	10031	-
Onion.....	35	31	-
Potatoes.....	10000	10000	-
Permanet crops...	1287	1280	-
Fruit Crops.....	1285	1278	-
Guava(Zeytuna).	1256	1255	-
Oranges.....	12	11	-
Other	2	2	-
Other Fruit....	15	10	-
Stimulant Crop..	2	2	-
Other Stimulant	2	2	-
Other Permanent.	1	1	-

TABLE 4.1.2.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), MAIN SEASON

Afar

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	750	-	-
Vegetables.....	3	-	-
Root Crops.....	2	-	-
Permanet crops...	745	-	-
Fruit Crops.....	520	-	-
Avocado.....	-	-	-
Bannas.....	354	-	-
Guava(Zeytuna).	-	-	-
Lemons.....	45	-	-
Mangos.....	19	-	-
Oranges.....	50	-	-
Papayas.....	24	-	-
Pineapples.....	-	-	-
Other	28	-	-
Other Permanent.	225	-	-
Enset.....	-	-	-
Sugar Cane.....	-	-	-
Cotton	225	-	-

TABLE 4.1.2.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), MAIN SEASON

Amhara

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	9854	116	888
Grains Crops....	9533	85	888
Cereals.....	7486	75	440
Teff.....	321	11	185
Barley.....	5	-	-
Wheat.....	194	27	-
Maize.....	6658	7	1
Sorghum.....	141	31	100
Millet.....	3	-	-
Oats.....	-	-	-
Rice.....	163	-	155
Other Cereal..	2	-	-
Pulse.....	2033	6	438
Horse beans...	6	3	3
Field peas....	3	3	-
Lentiles.....	2	- -	-
Vetch.....	- -	- -	-
Soya.....	2019	- -	435
Fenugreek.....	3	-	-
Oile seed.....	13	3	10
Sesame.....	13	3	10
Other Grain....	1	-	-
Vegetables.....	251	5	-
Tomatoes.....	4	1	-
Red paper.....	242	1	-
Other Vege.....	5	4	-
Root Crops.....	13	4	-
Carrot.....	1	1	-
Onion.....	9	2	
Other Root C...	3	2	-
Permanet crops...	57	21	-
Fruit Crops.....	29	20	-
Bannas.....	2	1	-
Mangos.....	7	6	-
Oranges.....	10	8	-
Papayas.....	4	1	-
Other Fruit....	5	4	-
Stimulant Crop..	8	1	-
Coffee.....	8	- -	-
Other Permanent.	21	1	-
Sugar Cane.....	1	1	
Cotton	20	- -	-

TABLE 4.1.2.5F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), MAIN SEASON

Oromia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	97438	653	15315
Grains Crops....	69499	402	15196
Cereals.....	63316	92	10299
Teff.....	353	7	144
Barley.....	792	–	717
Wheat.....	48421	10	9225
Maize	13168	44	43
Sorghum.....	568	30	159
Millet.....	15	1	11
Pulse.....	3585	297	2556
Horse beans...	883	2	875
Field peas....	111	46	41
Haricot beans.	766	6	526
Chick peas....	5	1	4
Soya.....	1814	241	1106
Other Pulse...	6	1	5
Oile seed.....	2579	6	2337
Nueg.....	7	5	2
Linseed.....	44	–	44
Ground nuts...	3	1	–
Sesame.....	334	–	108
Rapeseed.....	2184	–	2184
Other Oile S..	7	–	–
Other Grain....	19	7	3
Vegetables.....	1529	4	26
Cabbage.....	43	1	18
Tomatoes.....	645	–	5
Green pepper...	50	–	1
Red paper.....	102	1	1
Other.....	677	–	–
Other Vege.....	12	1	–
Root Crops.....	410	3	17
Beet root.....	12	1	1
Onion.....	368	1	10
Potatoes.....	25	–	6
Other Root C...	6	1	–
Permanet crops...	26000	245	76
Fruit Crops.....	1021	45	19
Avocado.....	39	31	–
Bannas.....	19	7	1
Guava(Zeytuna).	56	1	–
Mangos.....	85	–	–
Oranges.....	452	3	18
Papayas.....	46	2	–
Other	322	1	–
Other Fruit....	4	1	–
Stimulant Crop..	6829	192	11
Chat.....	12	9	–
Coffee.....	6816	182	11
Other Stimulant	2	2	–
Other Permanent.	18150	8	46
Enset.....	5	5	–
Sugar Cane.....	16913	2	–
Cotton	368	–	46
Tea	860	–	–
Other	3	–	–

TABLE 4.1.2.6F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), MAIN SEASON

Somale

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	90	77	-
Grains Crops....	33	32	-
Cereals.....	29	28	-
Maize.....	3	2	-
Sorghum.....	26	26	-
Oile seed.....	4	4	-
Other Oile S..	4	4	-
Other Grain....	-	-	-
Vegetables.....	12	12	-
Other Vege.....	12	12	-
Root Crops.....	6	6	-
Other Root C...	6	6	-
Permanet crops...	40	28	-
Fruit Crops.....	37	25	-
Guava(Zeytuna).	10	6	-
Mangos.....	9	5	-
Papayas.....	1	1	-
Other	6	6	-
Other Fruit....	11	7	-
Stimulant Crop..	3	3	-
Other Stimulant	3	3	-

TABLE 4.1.2.7F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), MAIN SEASON

Benshangul-Gumuz

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	1516	-	732
Grains Crops....	1268	-	732
Cereals.....	588	-	54
Teff.....	1	-	1
Maize.....	534	-	-
Sorghum.....	53	-	53
Pulse.....	678	-	678
Haricot beans.	4	-	4
Soya.....	674	-	674
Oile seed.....	3	-	-
Sesame.....	3	-	-
Vegetables.....	3	-	-
Red paper.....	3	-	-
Permanet crops...	244	-	
Fruit Crops.....	14	-	-
Mangos.....	1	-	-
Other	6	-	-
Other Fruit....	7	-	
Other Permanent.	230	-	-
Cotton	230	-	-

TABLE 4.1.2.8F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), MAIN SEASON (S.N.N.P.R)

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	19945	263	2085
Grains Crops....	4354	37	802
Cereals.....	4129	5	718
Teff.....	97	1	35
Barley.....	4	–	4
Wheat.....	599	–	208
Maize.....	3379	4	472
Sorghum.....	51	–	–
Pulse.....	140	25	84
Horse beans...	77	–	76
Field peas....	–	–	–
Haricot beans.	7	–	7
Chick peas....	55	25	–
Oile seed.....	10	–	–
Nueg.....	10	–	–
Other Grain....	76	7	–
Vegetables.....	170	9	11
Tomatoes.....	79	–	–
Green pepper...	–	–	–
Red paper.....	82	8	11
Other Vege.....	9	–	–
Root Crops.....	43	1	10
Onion.....	20	–	1
Potatoes.....	20	1	9
Other Root C...	3	–	1
Permanet crops...	15378	216	1262
Fruit Crops.....	208	14	127
Avocado.....	3	1	–
Bannas.....	136	9	127
Mangos.....	1	1	–
Oranges.....	45	–	–
Papayas.....	–	–	–
Pineapples.....	18	–	–
Other	4	2	–
Other Fruit....	3	3	–
Stimulant Crop..	13267	188	164
Coffee.....	13267	188	164
Other Permanent.	1903	14	971
Enset.....	5	4	–
Sugar Cane.....	11	3	1
Cotton	1570	–	970
Tea	309	–	–
Other	7	7	–

TABLE 4.1.2.9F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), MAIN SEASON Gambela

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	184	–	–
Permanet crops...	184	–	–
Stimulant Crop..	84	–	–
Chat.....	–	–	–
Coffee.....	84	–	–
Other Permanent.	100	–	–
Cotton	100	–	–

TABLE 4.1.2.10F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001 02(1994 E.C.), MAIN SEASON

Addis Ababa

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	89	-	1
Grains Crops....	25	-	-
Cereals.....	23	-	-
Teff.....	19	-	-
Other Cereal..	4	-	-
Pulse.....	2	-	-
Other Pulse...	2	-	-
Vegetables.....	40	-	-
Lettuce.....	12	-	-
Swiss chard....	11	-	-
Other.....	5	-	-
Other Vege.....	11	-	-
Root Crops.....	24	-	1
Potatoes.....	10	-	1
Other Root C...	14	-	-

TABLE 4.1.2.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), MAIN SEASON

Ethiopia

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	17543	73540	19608
Grains Crops....	10536	55235	1702
Cereals.....	10311	52775	1056
Teff.....	36	365	33
Barley.....	5	74	2
Wheat.....	10010	29361	382
Maize.....	230	22673	273
Sorghum.....	30	282	367
Millet.....	1	5	–
Rice.....	–	8	–
Other Cereal..	–	6	–
Pulse.....	–	2282	72
Horse beans...	–	6	–
Haricot beans.	–	219	15
Chick peas....	–	–	30
Lentiles.....	–	2	–
Soya.....	–	2052	–
Fenugreek.....	–	3	–
Other Pulse...	–	1	2
Oile seed.....	223	169	505
Nueg.....	–	10	–
Linseed.....	1	–	–
Ground nuts...	–	2	–
Sesame.....	223	157	498
Other Grain....	1	8	69
Vegetables.....	100	1833	18
Lettuce.....	12	–	–
Cabbage.....	1	25	2
Kale.....	–	–	–
Tomatoes.....	6	715	2
Green pepper...	–	49	1
Red paper.....	54	347	5
Swiss chard....	12	1	–
Other.....	5	677	–
Other Vege.....	11	19	8
Root Crops.....	20	438	3
Beet root.....	–	10	–
Carrot.....	–	–	–
Onion.....	3	384	2
Potatoes.....	5	33	–
Other Root C...	12	11	–
Cotton	–	1483	15
Permanet crops...	6887	14552	17870
Fruit Crops.....	114	1315	156
Avocado.....	–	10	–
Bannas.....	107	259	1
Guava(Zeytuna).	–	56	4
Lemons.....	–	45	–
Mangos.....	–	103	7
Oranges.....	1	403	126
Papayas.....	–	70	2
Pineapples.....	–	18	–
Other	–	345	12
Other Fruit....	7	7	6
Stimulant Crop..	3	13087	6543
Chat.....	1	2	–
Coffee.....	2	13084	6543
Other Stimulant	–	1	–
Other Permanent.	1	150	10017
Enset.....	1	–	–
Sugar Cane.....	6769	148	10001
Tea	–	–	1169
Other	–	2	1

TABLE 4.1.2.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), MAIN SEASON

Tigray

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	159	31	765
Grains Crops....	151	18	764
Cereals.....	-	18	266
Teff.....	-	4	22
Barley.....	-	1	1
Wheat.....	-	7	3
Maize.....	-	6	2
Pulse.....	-	1	-
Other Pulse...	-	1	-
Oile seed.....	151	-	498
Sesame.....	151	-	498
Rapeseed.....	-	-	-
Vegetables.....	2	6	1
Lettuce.....	-	-	-
Cabbage.....	-	3	-
Green pepper...	-	-	-
Other Vege.....	2	2	-
Root Crops.....	2	3	-
Onion.....	2	3	-
Permanet crops...	4	3	-
Fruit Crops.....	4	3	-
Oranges.....	1	1	-
Other Fruit....	4	1	-

TABLE 4.1.2.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), MAIN SEASON

Afar

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	107	643	-
Vegetables.....	-	3	-
Root Crops.....	-	2	-
Cotton	-	225	-
Permanet crops...	107	413	-
Fruit Crops.....	107	413	-
Avocado.....	-	-	-
Bannas.....	107	247	-
Guava(Zeytuna).	-	-	-
Lemons.....	-	45	-
Mangos.....	-	19	-
Oranges.....	-	50	-
Papayas.....	-	24	-
Pineapples.....	-	-	-
Other	-	28	-

TABLE 4.1.2.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), MAIN SEASON

Amhara

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	50	8780	20
Grains Crops....	45	8500	15
Cereals.....	45	6911	15
Teff.....	4	119	4
Barley.....	2	4	-
Wheat.....	3	163	1
Maize.....	37	6613	1
Millet.....	-	3	-
Rice.....	-	8	-
Other Cereal..	-	2	-
Pulse.....	-	1589	-
Lentiles.....	-	2	-
Soya.....	-	1584	-
Fenugreek.....	-	3	-
Vegetables.....	4	241	1
Tomatoes.....	1	2	1
Red paper.....	2	239	-
Other Vege.....	1	-	-
Root Crops.....	2	6	1
Beet root.....	-	-	-
Carrot.....	-	-	-
Onion.....	1	5	1
Other Root C...	-	1	-
Cotton	-	20	-
Permanet crops...	-	13	3
Fruit Crops.....	-	6	3
Bannas.....	-	1	1
Mangos.....	-	1	-
Oranges.....	-	2	-
Papayas.....	-	2	2
Stimulant Crop..	-	7	-
Chat.....	-	-	-
Coffee.....	-	7	-

TABLE 4.1.2.5F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), MAIN SEASON

Oromia

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	16970	52952	11548
Grains Crops....	10153	43262	486
Cereals.....	10081	42404	439
Teff.....	33	162	8
Barley.....	3	70	2
Wheat.....	10007	28960	219
Maize.....	8	12938	134
Sorghum.....	30	272	77
Millet.....	1	2	-
Pulse.....	-	692	40
Horse beans...	-	5	-
Haricot beans.	-	219	15
Soya.....	-	468	-
Other Pulse...	-	-	-
Oile seed.....	71	158	7
Linseed.....	1	-	-
Ground nuts...	-	2	-
Sesame.....	70	156	-
Other Grain....	-	8	-
Vegetables.....	50	1434	16
Cabbage.....	1	22	2
Tomatoes.....	5	634	1
Green pepper...	-	48	1
Red paper.....	44	50	5
Other.....	-	677	-
Other Vege.....	-	3	7
Root Crops.....	1	388	2
Beet root.....	-	10	-
Carrot.....	-	-	-
Onion.....	-	356	1
Potatoes.....	1	18	-
Other Root C...	-	4	-
Cotton	-	308	15
Permanet crops...	6766	7559	11030
Fruit Crops.....	-	814	142
Avocado.....	-	8	-
Bannas.....	-	12	-
Guava(Zeytuna)	-	55	-
Mangos.....	-	81	3
Oranges.....	-	305	126
Papayas.....	-	44	-
Other	-	308	12
Other Fruit....	-	1	1
Stimulant Crop..	1	6599	27
Chat.....	1	2	-
Coffee.....	-	6597	26
Other Permanent.	6766	147	10016
Enset.....	-	-	-
Sugar Cane.....	6766	145	10000
Other	-	2	1

TABLE 4.1.2.6F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), MAIN SEASON

Somale

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	-	2	11
Grains Crops....	-	1	-
Cereals.....	-	1	-
Maize.....	-	1	-
Permanet crops...	-	1	11
Fruit Crops.....	-	1	11

TABLE 4.1.2.7F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), MAIN SEASON

Benshangul-Gumuz

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	5	771	8
Grains Crops....	2	527	8
Cereals.....	–	526	8
Maize.....	–	526	8
Oile seed.....	2	1	–
Sesame.....	2	1	–
Vegetables.....	–	3	–
Red paper.....	–	3	–
Cotton	–	230	–
Permanet crops...	3	11	–
Fruit Crops.....	3	11	–
Mangos.....	–	1	–
Other Fruit....	3	4	–

TABLE 4.1.2.8F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), MAIN SEASON (S.N.N.P.R)

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	200	10144	7253
Grains Crops....	186	2903	427
Cereals.....	185	2892	329
Teff.....	–	61	–
Wheat.....	–	231	160
Maize.....	185	2590	128
Sorghum.....	–	10	40
Pulse.....	–	1	30
Horse beans...	–	1	–
Oile seed.....	–	10	–
Nueg.....	–	10	–
Other Grain....	1	–	68
Vegetables.....	8	142	–
Lettuce.....	–	–	–
Tomatoes.....	–	79	–
Green pepper...	–		–
Red paper.....	8	55	–
Swiss chard....	–	–	–
Other.....	–	–	–
Other Vege.....	–	8	–
Root Crops.....	–	31	–
Onion.....	–	20	–
Other Root C...	–	2	–
Cotton	–	600	–
Permanet crops...	6	6467	6827
Fruit Crops.....	–	67	–
Avocado.....	–	2	–
Oranges.....	–	45	–
Pineapples.....	–	18	–
Other	–	2	–
Other Fruit....	–	–	–
Stimulant Crop..	2	6396	6517
Chat.....	–	–	–
Coffee.....	2	6396	6517
Other Permanent.	4	4	310
Enset.....	1	–	–
Sugar Cane.....	3	4	1

TABLE 4.1.2.9F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), MAIN SEASON

Gambela

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	-	184	-
Cotton	-	100	-
Permanet crops...	-	84	-
Stimulant Crop..	-	84	-
Chat.....	-	-	-
Coffee.....	-	84	-

TABLE 1.1.2.1D. TOTAL DAMAGED CROPLAND AREA BY CAUSES AND REGION DAMAGE FOR LARGE AND MEDIUM SCALE FARMS
2001/02(1994 E.C.). MEHER SEASON. ALL FARMS

TYPE OF CROP DAMAGE	Total damaged crop land area in hectares									
	Country Level Total	REGIONS								
		Tigray	Afar	Amhara	Oromiya	Somale	Bensh-Gum	SNNPR	Gambela	Addis A.
Total	60179	32654	2473	4690	18840	28	738	724	24	11
Percent	100.00	54.26	4.11	7.79	31.31	0.05	1.23	1.20	0.04	0.02
Crop Disease.....	106	28	-	18	20	8	12	21	-	-
Percent	0.18	26.42	-	16.98	18.87	7.55	11.32	19.81	-	-
Frost of Flood.....	8379	4606	1514	467	1443	1	215	130	1	2
Percent	13.92	54.97	18.07	5.57	17.22	0.01	2.57	1.55	0.01	0.02
Locust.....	953	8	657	103	180	-	-	5	-	-
Percent	1.58	0.84	68.94	10.81	18.89	-	-	0.52	-	-
Shortage of Rain....	2235	98	-	674	1350	2	5	106	-	1
Percent	3.71	4.38	-	30.16	60.40	0.09	0.22	4.74	-	0.04
Too Much Rain.....	1041	175	-	28	476	-	358	4	-	-
Percent	1.73	16.81	-	2.69	45.73	-	34.39	0.38	-	-
Wild Animals.....	1	1	-	-	-	-	-	-	-	-
Percent	0.00	100.00	-	-	-	-	-	-	-	-
Birds.....	2349	1276	282	198	252	-	138	194	-	8
Percent	3.90	54.32	12.01	8.43	10.73	-	5.87	8.26	-	0.34
Snow.....	1	-	-	1	-	-	-	-	-	-
Percent	0.00	-	-	100	-	-	-	-	-	-
Pests and Insects...	45114	26462	20	3201	15119	17	10	264	23	-
Percent	74.97	58.66	0.04	7.10	33.51	0.04	0.02	0.59	0.05	-

TABLE 4.1.3.1 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), BELG SEASON.

Ethiopia IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	51680	2239	100	50375	100	50051	100	913	100
Grains Crops....	19262	342	15.27	18320	36.37	18111	36.19	385	42.17
Cereals.....	18978	280	12.51	18109	35.95	17909	35.78	242	26.51
Teff.....	130	2	0.09	23	0.05	3	0.01	7	0.77
Barley.....	26	-	-	3	0.01	-	-	-	-
Wheat.....	-	-	-	-	-	-	-	-	-
Maize.....	18762	245	10.94	18047	35.83	17900	35.76	236	25.85
Sorghum.....	30	30	1.34	30	0.06	-	-	-	-
Millet.....	-	-	-	-	-	-	-	-	-
Oats.....	-	-	-	-	-	-	-	-	-
Rice.....	-	-	-	-	-	-	-	-	-
Other Cereal..	30	4	0.18	6	0.01	6	0.01	-	
Pulse.....	91	13	0.58	21	0.04	23	0.05	3	0.33
Horse beans...	-	-	-	-	-	-	-	-	-
Field peas....	-	-	-	-	-	-	-	-	-
Haricot beans.	59	7	0.31	-	-	17	0.03	-	-
Other Pulse...	32	6	0.27	21	0.04	6	0.01	3	0.33
Other Grain....	193	49	2.19	190	0.38	179	0.36	140	15.33
Vegetables.....	10511	291	13	10401	20.65	10318	20.61	181	19.82
Lettuce.....	39	26	1.16	39	0.08	38	0.08	-	-
Cabbage.....	5028	28	1.25	5028	9.98	5018	10.03	5	0.55
Kale.....	17	-	-	17	0.03	16	0.03	-	-
Tomatoes.....	255	173	7.73	195	0.39	175	0.35	153	16.76
Green pepper...	70	1	0.04	25	0.05	14	0.03	8	0.88
Red paper.....	20	20	0.89	20	0.04	-	-	-	-
Swiss chard....	5022	22	0.98	5022	9.97	5021	10.03	-	-
Other.....	15	2	0.09	15	0.03	15	0.03	1	0.11
Other Vege.....	45	20	0.89	40	0.08	20	0.04	14	1.53
Root Crops.....	21742	1442	64.4	21489	42.66	21458	42.87	183	20.04
Carrot.....	32	31	1.38	21	0.04	21	0.04	-	-
Onion.....	260	184	8.22	231	0.46	212	0.42	176	19.28
Potatoes.....	20020	-	-	20001	39.7	20009	39.98	-	-
Garlic.....	166	-	-	-	-	-	-	-	-
Sweet potatoes.	1203	1200	53.6	1200	2.38	1200	2.4	-	-
Other Root C...	62	26	1.16	35	0.07	16	0.03	6	0.66
Cotton	164	164	7.32	164	0.33	164	0.33	164	17.96
Permanet crops...	1	1	0.04	1	0.00	1	0.00	1	0.11
Fruit Crops.....	1	-	-	1	-	-	-	-	-
Other	1	-	-	1	-	-	-	-	-

TABLE 4.1.3.2 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), BELG SEASON.

Tigray — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	48926	1369	100	48878	100	48870	100	4	100
Grains Crops....	17600	48	3.51	17552	35.91	17551	35.91	–	–
Cereals.....	17552	–	–	17504	35.81	17503	35.82	–	–
Teff.....	48	–	–	–	–	–	–	–	–
Maize.....	17501	–	–	17501	35.81	17501	35.81	–	–
Other Cereal..	4	–	–	3	0.01	3	0.01	–	–
Other Grain....	48	48	3.51	48	0.1	48	0.1	–	–
Vegetables.....	10071	69	5.04	10071	20.6	10067	20.6	3	75
Lettuce.....	26	26	1.9	26	0.05	26	0.05	–	–
Cabbage.....	5017	17	1.24	5017	10.26	5017	10.27	1	25
Swiss chard....	5022	21	1.53	5022	10.27	5021	10.27	–	–
Other Vege.....	5	4	0.29	5	0.01	3	0.01	2	50
Root Crops.....	21255	1252	91.45	21255	43.49	21252	43.49	1	25
Carrot.....	21	20	1.46	21	0.04	20	0.04	–	–
Onion.....	34	32	2.34	34	0.07	32	0.07	1	25
Potatoes.....	20000	–	–	20000	40.92	20000	40.92	–	–
Sweet potatoes.	1200	1200	87.66	1200	2.46	1200	2.46	–	–
Other Root C...	1	–	–	1	–	–	–	–	–

TABLE 4.1.3.3 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), BELG SEASON.

Amhara — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	521	126	100	369	100	120	100	127	100
Grains Crops....	336	26	20.63	242	65.58	54	45	36	28.35
Cereals.....	300	20	15.87	217	58.81	49	40.83	23	18.11
Teff.....	40	–		23	6.23	1	0.83	–	–
Barley.....	26	–		3	0.81	–	–	–	–
Maize.....	230	20	15.87	187	50.68	48	40	23	18.11
Other Cereal..	4	–		3	0.81	1	0.83	–	–
Pulse.....	22	6	4.76	14	3.79	5	4.17	3	2.36
Other Pulse...	22	6	4.76	14	3.79	5	4.17	3	2.36
Other Grain....	14	–		11	2.98	–	–	10	7.87
Vegetables.....	109	48	38.1	58	15.72	22	18.33	41	32.28
Cabbage.....	11	10	7.94	11	2.98	1	0.83	4	3.15
Tomatoes.....	82	29	23.02	32	8.67	14	11.67	28	22.05
Other Vege.....	15	9	7.14	14	3.79	7	5.83	10	7.87
Root Crops.....	76	52	41.27	69	18.7	44	36.67	50	39.37
Onion.....	53	44	34.92	53	14.36	39	32.5	48	37.8
Other Root C...	23	8	6.35	16	4.34	5	4.17	3	2.36

TABLE 4.1.3.4 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), BELG SEASON.

Amhara — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	1365	550	100	745	100	738	100	574	100
Grains Crops....	839	157	28.55	231	31.01	238	32.25	147	25.61
Cereals.....	812	150	27.27	230	30.87	233	31.57	147	25.61
Teff.....	16	2	0.36	–	–	3	0.41	3	0.52
Maize.....	780	147	26.73	230	30.87	227	30.76	144	25.09
Other Cereal..	16	1	0.18	–	–	3	0.41	–	–
Pulse.....	27	7	1.27	1	0.13	5	0.68	–	–
Haricot beans.	25	7	1.27	–	–	4	0.54	–	–
Other Pulse...	3	–	–	1	0.13	1	0.14	–	–
Cotton	164	164	29.82	164	22.01	164	22.22	164	28.57
Vegetables.....	203	139	25.27	202	27.11	191	25.88	136	23.69
Tomatoes.....	161	133	24.18	161	21.61	161	21.82	126	21.95
Green pepper...	25	1	0.18	24	3.22	14	1.9	8	1.39
Other.....	8	1	0.18	8	1.07	8	1.08	1	0.17
Other Vege.....	8	3	0.55	8	1.07	7	0.95	2	0.35
Root Crops.....	159	90	16.36	148	19.87	145	19.65	127	22.13
Onion.....	145	88	16	144	19.33	141	19.11	127	22.13
Other Root C...	13	2	0.36	4	0.54	4	0.54	–	–

TABLE 4.1.3.5 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), BELG SEASON.

Somale — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	147	50	100	106	100	96	100	71	100
Grains Crops....	133	47	94	92	86.79	93	96.88	67	94.37
Cereals.....	126	47	94	85	80.19	93	96.88	67	94.37
Maize.....	126	47	94	85	80.19	93	96.88	67	94.37
Pulse.....	7	–	–	7	6.6	–	–	–	–
Other Pulse...	7	–	–	7	6.6	–	–	–	–
Other Vege.....	8	–	–	8	7.55	–	–	–	–
Root Crops.....	5	3	6	5	4.72	3	3.13	4	5.63
Other Root C...	5	3	6	5	4.72	3	3.13	4	5.63
Permanet crops...	1	–	–	1	0.94	–	–	–	–
Fruit Crops.....	1	–	–	1	0.94	–	–	–	–
Other	1	–	–	1	0.94	–	–	–	–

TABLE 4.1.3.6 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), BELG SEASON.

Benshangul-Gumuz — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	68	26	100	66	100	1	100	–	–
Grains Crops....	42	2	7.69	42	63.64	–	–	–	–
Cereals.....	42	2	7.69	42	63.64	–	–	–	–
Maize.....	42	2	7.69	42	63.64	–	–	–	–
Vegetables.....	23	22	84.62	22	33.33	–	–	–	–
Red paper.....	20	20	76.92	20	30.3	–	–	–	–
Other Vege.....	2	1	3.85	2	3.03	–	–	–	–
Root Crops.....	3	2	7.69	2	3.03	1	100	–	–
Other Root C...	2	2	7.69	2	3.03	1	100	–	–

TABLE 4.1.3.7 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), BELG SEASON.

(S.N.N.P.R) — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	603	112	100	164	100	184	100	138	100
Grains Crops....	309	59	52.68	162	98.78	174	94.57	136	98.55
Cereals.....	144	59	52.68	32	19.51	31	16.85	6	4.35
Teff.....	27	–	–	–	–	–	–	4	2.9
Maize.....	82	29	25.89	2	1.22	31	16.85	2	1.45
Sorghum.....	30	30	26.79	30	18.29	–	–	–	–
Other Cereal..	4	–	–	–	–	–	–	–	–
Pulse.....	35	–	–	–	–	13	7.07	–	–
Haricot beans.	34	–	–	–	–	13	7.07	–	–
Other Grain....	130	–	–	130	79.27	130	70.65	130	94.2
Vegetables.....	59	12	10.71	1	0.61	1	0.54	1	0.72
Tomatoes.....	11	11	9.82	1	0.61	–	–	–	–
Green pepper...	44	–	–	–	–	–	–	–	–
Other Vege.....	3	1	0.89	–	–	–	–	–	–
Root Crops.....	235	41	36.61	1	0.61	9	4.89	1	0.72
Carrot.....	11	11	9.82	–	–	–	–	–	–
Onion.....	27	21	18.75	–	–	–	–	–	–
Potatoes.....	20	–	–	–	–	9	4.89	–	–
Garlic.....	166	–	–	–	–	–	–	–	–
Sweet potatoes.	2	–	–	–	–	–	–	–	–
Other Root C...	10	9	8.04	–	–	–	–	–	–

TABLE 4.1.3.8 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), BELG SEASON.

Gambela — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	Improved seed applied %	Irrigated Area	Irrigated %	Fertilizer Applied Area	Fertilizer Applied %	Pesticide Applied Area	Pesticide Applied %
TOTAL.....	3	3	100	–	–	–	–	–	–
Grains Crops....	3	3	100	–	–	–	–	–	–
Cereals.....	3	3	100	–	–	–	–	–	–

TABLE 4.1.3.9 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR LARGE AND MEDIUM SCALE FARMS,2001/02 (1994 E.C.), BELG SEASON.

Addis Ababa — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	Improved seed applied %	Irrigated Area	Irrigated %	Fertilizer Applied Area	Fertilizer Applied %	Pesticide Applied Area	Pesticide Applied %
TOTAL.....	46	4	100	46	100	40	100	–	–
Vegetables.....	38	2	50	38	82.61	36	90	–	–
Lettuce.....	12	–	–	12	26.09	12	30	–	–
Kale.....	16	–	–	16	34.78	16	40	–	–
Other.....	7	1	25	7	15.22	7	17.5	–	–
Other Vege.....	3	1	25	3	6.52	1	2.5	–	–
Root Crops.....	8	2	50	8	17.39	4	10	–	–
Other Root C...	8	2	50	8	17.39	4	10	–	–

TABLE 4.1.3.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), BELG SEASON

Ethiopia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	50050	28987	52
Grains Crops....	18110	12629	39
Cereals.....	17909	12573	33
Teff.....	3	3	-
Maize.....	17900	12569	30
Other Cereal..	6	1	3
Pulse.....	23	7	6
Haricot beans.	17	4	6
Other Pulse...	6	3	-
Other Grain....	179	48	-
Cotton	164	-	-
Vegetables.....	10318	10078	6
Lettuce.....	38	26	-
Cabbage.....	5018	5016	-
Kale.....	16	-	-
Tomatoes.....	175	7	6
Green pepper...	14	1	-
Swiss chard....	5021	5020	-
Other.....	15	-	-
Other Vege.....	20	8	-
Root Crops.....	21458	6280	8
Carrot.....	21	20	-
Onion.....	212	53	-
Potatoes.....	20009	5000	6
Sweet potatoes.	1200	1200	-
Other Root C...	16	7	2

TABLE 4.1.3.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), BELG SEASON

Tigray

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	48872	28863	-
Grains Crops....	17552	12549	-
Cereals.....	17503	12501	-
Maize.....	17501	12500	-
Other Cereal..	3	1	-
Other Grain....	48	48	-
Vegetables.....	10067	10063	-
Lettuce.....	26	25	-
Cabbage.....	5017	5016	-
Swiss chard....	5021	5020	-
Other Vege.....	3	1	-
Root Crops.....	21252	6251	-
Carrot.....	20	20	-
Onion.....	32	30	-
Potatoes.....	20000	5000	-
Sweet potatoes.	1200	1200	-

TABLE 4.1.3.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), BELG SEASON

Amhara

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	121	68	-
Grains Crops....	54	35	-
Cereals.....	49	32	-
Teff.....	1	-	-
Maize.....	48	32	-
Other Cereal..	1	-	-
Pulse.....	5	3	-
Vegetables.....	22	11	-
Cabbage.....	1	-	-
Tomatoes.....	14	4	-
Other Vege.....	7	6	-
Root Crops.....	44	22	-
Onion.....	39	18	-
Other Root C...	5	4	-

TABLE 4.1.3.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), BELG SEASON

Oromia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	737	24	20
Grains Crops....	238	14	13
Cereals.....	233	10	13
Teff.....	3	3	-
Maize.....	227	7	10
Other Cereal..	3	-	3
Pulse.....	5	4	-
Haricot beans.	4	4	-
Other Pulse...	1	-	-
Cotton	164	-	-
Vegetables.....	191	4	6
Tomatoes.....	161	3	6
Green pepper...	14	1	-
Other.....	8	-	-
Other Vege.....	7	-	-
Root Crops.....	145	6	2
Onion.....	141	4	-
Other Root C...	4	2	2

TABLE 4.1.3.5F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), BELG SEASON

Somale

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	96	30	1
Grains Crops....	93	30	1
Cereals.....	93	30	1
Maize.....	93	30	1
Root Crops.....	3	-	-

TABLE 4.1.3.6F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), BELG SEASON

Benshangul-Gumuz

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	1	1	-
Root Crops.....	1	1	-

TABLE 4.1.3.7F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), BELG SEASON (S.N.N.P.R)

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	183	-	31
Grains Crops....	173	-	25
Cereals.....	31	-	19
Maize.....	31	-	19
Other Cereal..	-	-	-
Pulse.....	13	-	6
Haricot beans.	13	-	6
Other Grain....	130	-	-
Vegetables.....	1	-	-
Root Crops.....	9	-	6
Potatoes.....	9	-	6

TABLE 4.1.3.8F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), BELG SEASON Addis Ababa

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	40	-	-
Vegetables.....	36	-	-
Lettuce.....	12	-	-
Kale.....	16	-	-
Other.....	7	-	-
Other Vege.....	1	-	-
Root Crops.....	4	-	-
Other Root C...	4	-	-

TABLE 4.1.3.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), BELG SEASON

Ethiopia

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	99	20767	146
Grains Crops....	20	5281	142
Cereals.....	17	5275	12
Maize.....	17	5273	11
Pulse.....	3	7	-
Haricot beans.	3	4	-
Other Grain....	-	-	130
Vegetables.....	51	180	3
Lettuce.....	12	-	-
Cabbage.....	1	-	1
Kale.....	15	1	-
Tomatoes.....	14	147	1
Green pepper...	-	13	-
Other.....	7	8	-
Other Vege.....	2	9	-
Root Crops.....	28	15142	1
Onion.....	18	141	1
Potatoes.....	2	15001	-
Other Root C...	7	1	-
Cotton	-	164	-

TABLE 4.1.3.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), BELG SEASON

Tigray

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	2	20004	3
Grains Crops....	-	5001	2
Cereals.....	-	5001	2
Maize.....	-	5000	1
Other Cereal..	-	1	1
Vegetables.....	1	3	1
Green pepper...	-	-	-
Other Vege.....	-	2	-
Root Crops.....	1	15001	-
Beet root.....	-	-	-
Onion.....	1	1	-
Potatoes.....	-	15000	-

TABLE 4.1.3.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), BELG SEASON

Amhara

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	42	10	-
Grains Crops....	14	5	-
Cereals.....	14	3	-
Maize.....	14	2	-
Other Cereal..	-	1	-
Pulse.....	-	2	-
Other Pulse...	-	2	-
Vegetables.....	10	1	-
Cabbage.....	1	-	-
Tomatoes.....	9	1	-
Root Crops.....	18	4	-
Onion.....	17	4	-
Other Root C...	1	-	-

TABLE 4.1.3.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), BELG SEASON

Oromia

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	6	677	11
Grains Crops....	1	202	9
Cereals.....	1	202	9
Maize.....	-	202	9
Pulse.....	-	1	-
Other Pulse...	-	1	-
Cotton	-	164	-
Vegetables.....	5	175	1
Kale.....	-	-	-
Tomatoes.....	5	147	1
Green pepper...	-	13	-
Other.....	-	8	-
Other Vege.....	-	7	-
Root Crops.....	-	136	1
Onion.....	-	136	1

TABLE 4.1.3.5F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), BELG SEASON

Somale

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	3	62	-
Grains Crops....	-	62	-
Cereals.....	-	62	-
Maize.....	-	62	-
Root Crops.....	3	-	-

TABLE 4.1.3.6F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), BELG SEASON (S.N.N.P.R)

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	7	12	133
Grains Crops....	5	11	132
Cereals.....	2	8	2
Maize.....	2	8	2
Pulse.....	3	4	-
Haricot beans.	3	4	-
Root Crops.....	2	1	-
Potatoes.....	2	1	-

TABLE 4.1.3.7F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR LARGE AND MEDIUM SCALE FARMS,2001/02(1994 E.C.), BELG SEASON

Addis Ababa

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	39	1	-
Vegetables.....	35	1	-
Lettuce.....	12	-	-
Kale.....	15	1	-
Other.....	7	-	-
Other Vege.....	1	-	-
Root Crops.....	4	-	-
Other Root C...	4	-	-

TABLE 1.1.3.1D. TOTAL DAMAGED CROPLAND AREA BY CAUSES AND REGION DAMAGE FOR LARGE AND MEDIUM SCALE FARMS 2001/02(1994 E.C.), BELG SEASON. ALL FARMS

TYPE OF CROP DAMAGE	Total damaged crop land area in hectares									
		REGIONS								
	Country Level Total	Tigray	Afar	Amhara	Oromiya	Somale	Bensh-Gum	SNNPR	Gambela	Addis A.
Total	13670	13434	–	153	48	9	–	18	–	8
Percent	100	98.27	–	1.12	0.35	0.07	–	0.13	–	0.06
Crop Disease.....	4	–	–	3	1	–	-	–	-	–
Percent	0.03	–	–	75.00	25.00	–	-	–	-	–
Frost of Flood.....	49	1	–	24	13	–	–	3	–	8
Percent	0.36	2.04	–	48.98	26.53	–	–	6.12	-	16.33
Locust.....	1366	1284	–	77	1	4	-	–	-	–
Percent	9.99	94.00	–	5.64	0.07	0.29	-	–	-	–
Shortage of Rain....	24	1	–	8	13	–	–	2	-	–
Percent	0.18	4.17	–	33.33	54.17	–	–	8.33	-	–
Too Much Rain.....	12102	12100	–	1	–	–	–	1	-	–
Percent	88.53	99.98	–	0.01	–	–	–	0.01	-	–
Wild Animals.....	–	–	–	–	–	–	-	–	-	–
Percent	–	–	–	–	–	–	-	–	-	–
Birds.....	2	–	–	2	–	–	-	–	-	–
Percent	0.01	–	–	100.00	–	–	-	–	-	–
Snow.....	–	–	–	–	–	–	-	–	-	–
Percent	–	–	–	–	–	–	-	–	-	–
Pests and Insects...	123	48	–	38	20	5	–	12	-	–
Percent	0.90	39.02	–	30.89	16.26	4.07	–	9.76	-	–

TABLE 4.2.1.1 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR STATE FARMS,2001/02 (1994 E.C.), BOTH SEASONS.

Ethiopia — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	72633	53887	100	35507	100	60085	100	69444	100
Grains Crops....	31413	27387	50.82	2342	6.6	31262	52.03	29654	42.7
Cereals.....	29068	26862	49.85	2130	6	29064	48.37	28686	41.31
Teff.....	44	–	–	–	–	44	0.07	44	0.06
Barley.....	539	302	0.56	–	–	539	0.9	539	0.78
Wheat.....	21920	20016	37.14	–	–	21920	36.48	21920	31.57
Maize.....	6562	6543	12.14	2130	6	6559	10.92	6183	8.9
Other Cereal..	3	2	–	–	–	2	–	–	–
Pulse.....	1105	365	0.68	199	0.56	1105	1.84	384	0.55
Horse beans...	756	117	0.22	–	–	756	1.26	185	0.27
Haricot beans.	349	249	0.46	199	0.56	349	0.58	199	0.29
Oile seed.....	1186	106	0.2	–	–	1080	1.8	571	0.82
Sesame.....	106	106	0.2	–	–	–	–	–	–
Rapeseed.....	1080	–	–	–	–	1080	1.8	571	0.82
Other Grain....	54	54	0.1	13	0.04	13	0.02	13	0.02
Vegetables.....	1047	1031	1.91	1047	2.95	1047	1.74	1047	1.51
Tomatoes.....	532	526	0.98	532	1.5	532	0.89	532	0.77
Green pepper...	39	36	0.07	39	0.11	39	0.06	39	0.06
Other.....	470	465	0.86	470	1.32	470	0.78	470	0.68
Other Vege.....	6	4	0.01	6	0.02	6	0.01	6	0.01
Root Crops.....	278	253	0.47	278	0.78	278	0.46	275	0.4
Onion.....	273	248	0.46	273	0.77	273	0.45	270	0.39
Other Root C...	5	5	0.01	5	0.01	5	0.01	5	0.01
Cotton	14498	10846	20.13	14348	40.41	2260	3.76	13528	19.48
Permanet crops...	25397	14370	26.66	17492	49.26	25238	42.01	24940	35.91
Fruit Crops.....	1754	739	1.37	1591	4.48	1608	2.68	1311	1.89
Bannas.....	640	118	0.22	500	1.41	500	0.83	247	0.36
Guava(Zeytuna).	55	55	0.1	55	0.15	55	0.09	55	0.08
Lemons.....	45	–	–	45	0.13	45	0.07	45	0.06
Mangos.....	102	81	0.15	102	0.29	102	0.17	100	0.14
Oranges.....	479	187	0.35	479	1.35	479	0.8	479	0.69
Papayas.....	65	–	–	65	0.18	65	0.11	47	0.07
Pineapples.....	20	–	–	–	–	18	0.03	–	–
Other	333	292	0.54	332	0.94	332	0.55	332	0.48
Other Fruit....	15	5	0.01	12	0.03	10	0.02	6	0.01
Stimulant Crop..	7732	7732	14.35	–	–	7729	12.86	7729	11.13
Coffee.....	7732	7732	14.35	–	–	7729	12.86	7729	11.13
Other Permanent.	15911	1	10.94	31799	44.78	15901	26.47	2	22.9
Sugar Cane.....	15898	5898	10.95	15898	44.77	15898	26.46	15898	22.89
Other	14	1	–	3	0.01	3	–	2	–

TABLE 4.2.1.2 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR STATE FARMS,2001/02 (1994 E.C.), BOTH SEASONS.

Afar — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	12837	9743	100	12837	100	750	100	12730	100
Vegetables.....	3	3	0.03	3	0.02	3	0.4	3	0.02
Other Vege.....	3	3	0.03	3	0.02	3	0.4	3	0.02
Root Crops.....	2	2	0.02	2	0.02	2	0.27	2	0.02
Other Root C...	2	2	0.02	2	0.02	2	0.27	2	0.02
Cotton	12312	9631	98.85	12312	95.91	225	30	12312	96.72
Permanet crops...	520	107	1.1	520	4.05	520	69.33	413	3.24
Fruit Crops.....	520	107	1.1	520	4.05	520	69.33	413	3.24
Bannas.....	354	107	1.1	354	2.76	354	47.2	247	1.94
Lemons.....	45	-	-	45	0.35	45	6	45	0.35
Mangos.....	19	-	-	19	0.15	19	2.53	19	0.15
Oranges.....	50	-	-	50	0.39	50	6.67	50	0.39
Papayas.....	24	-	-	24	0.19	24	3.2	24	0.19
Other	28	-	-	28	0.22	28	3.73	28	0.22

TABLE 4.2.1.3 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR STATE FARMS,2001/02 (1994 E.C.), BOTH SEASONS.

Oromia — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	48986	34733	100	20303	100	48876	100	47673	100
Grains Crops....	29032	25125	72.34	1683	8.29	28922	59.17	27759	58.23
Cereals.....	26803	24641	70.94	1471	7.25	26799	54.83	26791	56.2
Barley.....	539	302	0.87	-	-	539	1.1	539	1.13
Wheat.....	21920	20016	57.63	-	-	21920	44.85	21920	45.98
Maize.....	4343	4324	12.45	1471	7.25	4340	8.88	4332	9.09
Other Cereal..	1	-	-	-	-	-	-	-	-
Pulse.....	1030	365	1.05	199	0.98	1030	2.11	384	0.81
Horse beans...	681	117	0.34	-		681	1.39	185	0.39
Haricot beans.	349	249	0.72	199	0.98	349	0.71	199	0.42
Oile seed.....	1186	106	0.31	-	-	1080	2.21	571	1.2
Sesame.....	106	106	0.31	-	-	-	-	-	-
Rapeseed.....	1080	-	-	-	-	1080	2.21	571	1.2
Other Grain....	13	13	0.04	13	0.06	13	0.03	13	0.03
Vegetables.....	1044	1028	2.96	1044	5.14	1044	2.14	1044	2.19
Tomatoes.....	532	526	1.51	532	2.62	532	1.09	532	1.12
Green pepper...	39	36	0.1	39	0.19	39	0.08	39	0.08
Other.....	470	465	1.34	470	2.31	470	0.96	470	0.99
Other Vege.....	3	1	-	3	0.01	3	0.01	3	0.01
Root Crops.....	276	251	0.72	276	1.36	276	0.56	273	0.57
Onion.....	273	248	0.71	273	1.34	273	0.56	270	0.57
Other Root C...	3	3	0.01	3	0.01	3	0.01	3	0.01
Cotton	465	465	1.34	465	2.29	465	0.95	465	0.98
Permanet crops...	18169	7864	22.64	16835	82.92	18169	37.18	18132	38.03
Fruit Crops.....	934	631	1.82	934	4.6	934	1.91	898	1.88
Bannas.....	11	11	0.03	11	0.05	11	0.02	-	-
Guava(Zeytuna).	55	55	0.16	55	0.27	55	0.11	55	0.12
Mangos.....	84	81	0.23	84	0.41	84	0.17	81	0.17
Oranges.....	429	187	0.54	429	2.11	429	0.88	429	0.9
Papayas.....	41	-	-	41	0.2	41	0.08	23	0.05
Other	304	292	0.84	304	1.5	304	0.62	304	0.64
Other Fruit....	10	5	0.01	10	0.05	10	0.02	6	0.01
Stimulant Crop..	1334	1334	3.84	-	-	1334	2.73	1334	2.8
Coffee.....	1334	1334	3.84	-	-	1334	2.73	1334	2.8
Other Permanent.	15901	5899	16.98	15901	78.32	15901	32.53	15900	33.35
Sugar Cane.....	15898	5898	16.98	15898	78.3	15898	32.53	15898	33.35
Other	3	1	-	3	0.01	3	0.01	2	-

TABLE 4.2.1.4 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR STATE FARMS,2001/02 (1994 E.C.), BOTH SEASONS.

(S.N.N.P.R) IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	10660	9261	100	2366	100	10459	100	8889	100
Grains Crops....	2381	2262	24.43	659	27.85	2340	22.37	1894	21.31
Cereals.....	2265	2221	23.98	659	27.85	2265	21.66	1894	21.31
Teff.....	44	–	–	–	–	44	0.42	44	0.49
Maize.....	2219	2219	23.96	659	27.85	2219	21.22	1850	20.81
Other Cereal..	2	2	0.02	–	–	2	0.02	–	–
Pulse.....	75	–	–	–	–	75	0.72	–	–
Horse beans...	75	–	–	–	–	75	0.72	–	–
Other Grain....	41	41	0.44	–	–	–	–	–	–
Cotton	1570	600	6.48	1570	66.36	1570	15.01	600	6.75
Permanet crops...	6709	6399	69.09	137	5.79	6549	62.62	6395	71.94
Fruit Crops.....	300	1	0.01	137	5.79	154	1.47	–	–
Avocado.....	–	–	–	–	–	–	–	–	–
Bannas.....	274	–	–	135	5.71	135	1.29	–	–
Pineapples.....	20	–	–	–	–	18	0.17	–	–
Other	1	1	0.01	–	–	–	–	–	–
Other Fruit....	5	–	–	2	0.08	1	0.01	–	–
Stimulant Crop..	6398	6398	69.09	–	–	6395	61.14	6395	71.94
Chat.....	–	–	–	–	–	–	–	–	–
Coffee.....	6398	6398	69.09	–	–	6395	61.14	6395	71.94
	1581	600	6.48	1570	66.36	1570	15.01	600	6.75
Other Permanent.	11	–	–	–	–	–	–	–	–
Other	10	–	–	–	–	–	–	–	–

TABLE 4.2.1.5 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR STATE FARMS,2001/02 (1994 E.C.), BOTH SEASONS.

Gambela IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	150	150	100	–	–	–	–	150	100
Cotton	150	150	100	–	–	–	–	150	100

TABLE 4.2.1.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Ethiopia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	32	2	14
Grains Crops....	25	1	14
Cereals.....	25	-	10
Teff.....	1	-	-
Barley.....	4	-	4
Wheat.....	9	-	3
Maize.....	16	-	3
Other Cereal..	1	-	-
Pulse.....	12	-	8
Horse beans...	7	-	7
Haricot beans.	5	-	1
Oile seed.....	3	-	3
Rapeseed.....	3	-	3
Other Grain....	2	1	-
Vegetables.....	10	-	1
Tomatoes.....	9	-	1
Green pepper...	3	-	1
Other.....	4	-	-
Other Vege.....	4	-	-
Root Crops.....	11	-	1
Onion.....	10	-	1
Other Root C...	4	-	-
Cotton	4	-	1
Permanet crops...	16	1	2
Fruit Crops.....	12	1	2
Bannas.....	5	1	1
Guava(Zeytuna).	1	-	-
Lemons.....	1	-	-
Mangos.....	6	-	1
Oranges.....	7	-	1
Papayas.....	3	-	-
Pineapples.....	1	-	-
Other	3	-	-
Other Fruit....	3	1	-
Stimulant Crop..	2	-	-
Coffee.....	2	-	-
Other Permanent.	2	-	1
Sugar Cane.....	1	-	-
Other	1	-	-

TABLE 4.2.1.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Afar

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	2	-	-
Vegetables.....	1	-	-
Root Crops.....	1	-	-

TABLE 4.2.1.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Oromia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	24	1	12
Grains Crops....	20	1	12
Cereals.....	20	-	9
Barley.....	4	-	4
Wheat.....	9	-	3
Maize.....	12	-	2
Pulse.....	11	-	7
Horse beans...	6	-	6
Haricot beans.	5	-	1
Oile seed.....	3	-	3
Rapeseed.....	3	-	3
Other Grain....	2	1	-
Vegetables.....	9	-	1
Tomatoes.....	9	-	1
Green pepper...	3	-	1
Other.....	4	-	-
Other Vege.....	3	-	-
Root Crops.....	10	-	1
Onion.....	10	-	1
Other Root C...	3	-	-
Cotton	1	-	-
Permanet crops...	9	-	1
Fruit Crops.....	7	-	1
Bannas.....	1	-	-
Guava(Zeytuna).	1	-	-
Mangos.....	5	-	1
Oranges.....	6	-	1
Papayas.....	2	-	-
Other	2	-	-
Other Fruit....	2	-	-
Stimulant Crop..	1	-	-
Coffee.....	1	-	-
	3	-	
Other Permanent.	2	-	-
Sugar Cane.....	1	-	-
Other	1	-	-

TABLE 4.2.1.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), BOTH SEASONS

(S.N.N.P.R)

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	6	1	2
Grains Crops....	5	-	2
Cereals.....	5	-	1
Teff.....	1	-	-
Maize.....	4	-	1
Other Cereal..	1	-	-
Pulse.....	1	-	1
Horse beans...	1	-	1
Cotton	2	-	1
Permanet crops...	2	1	-
Fruit Crops.....	3	1	1
Bannas.....	2	1	1
Pineapples.....	1	-	-
Other Fruit....	1	1	-
Stimulant Crop..	1	-	-
Coffee.....	1	-	-

TABLE 4.2.1.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Ethiopia
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	6005	31372	10142
Grains Crops....	-	19882	-
Cereals.....	-	19676	-
Teff.....	-	44	-
Wheat.....	-	13473	-
Maize.....	-	6157	-
Other Cereal..	-	2	-
Pulse.....	-	199	-
Haricot beans.	-	199	-
Other Grain....	-	7	-
Vegetables.....	-	1042	-
Tomatoes.....	-	528	-
Green pepper...	-	38	-
Other.....	-	470	-
Other Vege.....	-	6	-
Root Crops.....	-	268	-
Onion.....	-	263	-
Other Root C...	-	5	-
Cotton	-	1244	-
Permanet crops...	6005	8936	10142
Fruit Crops.....	107	1205	141
Bannas.....	107	258	-
Guava(Zeytuna).	-	55	-
Lemons.....	-	45	-
Mangos.....	-	100	2
Oranges.....	-	335	126
Papayas.....	-	65	-
Pineapples.....	-	18	-
Other	-	320	12
Other Fruit....	-	8	1
Stimulant Crop..	-	7729	-
Coffee.....	-	7729	-
Other Permanent.	5898	2	10001
Sugar Cane.....	5898	-	10000
Other	-	2	1

TABLE 4.2.1.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Afar

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	107	643	–
Vegetables.....	–	3	–
Other Vege.....	–	3	–
Root Crops.....	–	2	–
Other Root C...	–	2	–
Cotton	–	225	–
Permanet crops...	107	413	–
Fruit Crops.....	107	413	–
Bannas.....	107	247	–
Lemons.....	–	45	–
Mangos.....	–	19	–
Oranges.....	–	50	–
Papayas.....	–	24	–
Other	–	28	–

TABLE 4.2.1.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Oromia
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	5898	21820	10142
Grains Crops....	-	17985	-
Cereals.....	-	17779	-
Wheat.....	-	13473	-
Maize.....	-	4307	-
Pulse.....	-	199	-
Haricot beans.	-	199	-
Other Grain....	-	7	-
Vegetables.....	-	1039	-
Tomatoes.....	-	528	-
Green pepper...	-	38	-
Other.....	-	470	-
Other Vege.....	-	3	-
Root Crops.....	-	266	-
Onion.....	-	263	-
Other Root C...	-	3	-
Cotton	-	419	
Permanet crops...	5898	2111	10142
Fruit Crops.....	-	774	141
Bannas.....	-	11	-
Guava(Zeytuna).	-	55	-
Mangos.....	-	81	2
Oranges.....	-	285	126
Papayas.....	-	41	-
Other	-	292	12
Other Fruit....	-	8	1
Stimulant Crop..	-	1334	-
Coffee.....	-	1334	-
Other Permanent.	5898	2	10001
Sugar Cane.....	5898	-	10000
Other	—	2	1

TABLE 4.2.1.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), BOTH SEASONS

(S.N.N.P.R)
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	-	8909	-
Grains Crops....	-	1896	-
Cereals.....	-	1896	-
Teff.....	-	44	-
Maize.....	-	1850	-
Other Cereal..	-	2	-
Cotton	-	600	-
Permanet crops...	-	6413	-
Fruit Crops.....	-	18	-
Pineapples.....	-	18	-
Stimulant Crop..	-	6395	-
Coffee.....	-	6395	

TABLE 4.2.2.1 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR STATE FARMS,2001/02 (1994 E.C.), MAIN(MEHER) SEASONS.

Ethiopia — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	72336	53626	100	35215	100	59791	100	69162	100
Grains Crops....	31342	27336	50.98	2277	6.47	31195	52.17	29596	42.79
Cereals.....	28997	26811	50	2065	5.86	28997	48.5	28628	41.39
Teff.....	44	-	-	-	-	44	0.07	44	0.06
Barley.....	539	302	0.56	-	-	539	0.9	539	0.78
Wheat.....	21920	20016	37.33	-	-	21920	36.66	21920	31.69
Maize.....	6494	6494	12.11	2065	5.86	6494	10.86	6125	8.86
Pulse.....	1105	365	0.68	199	0.57	1105	1.85	384	0.56
Horse beans...	756	117	0.22	-	-	756	1.26	185	0.27
Haricot beans.	349	249	0.46	199	0.57	349	0.58	199	0.29
Oile seed.....	1186	106	0.2	-	-	1080	1.81	571	0.83
Sesame.....	106	106	0.2	-	-	-	-	-	-
Rapeseed.....	1080	-	-	-	-	1080	1.81	571	0.83
Other Grain....	54	54	0.1	13	0.04	13	0.02	13	0.02
Vegetables.....	1022	1014	1.89	1022	2.9	1022	1.71	1022	1.48
Tomatoes.....	508	508	0.95	508	1.44	508	0.85	508	0.73
Green pepper...	39	36	0.07	39	0.11	39	0.07	39	0.06
Other.....	470	465	0.87	470	1.33	470	0.79	470	0.68
Other Vege.....	4	4	0.01	4	0.01	4	0.01	4	0.01
Root Crops.....	240	224	0.42	240	0.68	240	0.4	240	0.35
Onion.....	235	219	0.41	235	0.67	235	0.39	235	0.34
Other Root C...	5	5	0.01	5	0.01	5	0.01	5	0.01
Cotton	14334	10682	19.92	14184	40.28	2096	3.51	13364	19.32
Permanet crops...	25398	14370	26.8	17492	49.67	25238	42.21	24940	36.06
Fruit Crops.....	1754	739	1.38	1591	4.52	1608	2.69	1311	1.9
Bannas.....	640	118	0.22	500	1.42	500	0.84	247	0.36
Guava(Zeytuna).	55	55	0.1	55	0.16	55	0.09	55	0.08
Lemons.....	45	-	-	45	0.13	45	0.08	45	0.07
Mangos.....	102	81	0.15	102	0.29	102	0.17	100	0.14
Oranges.....	479	187	0.35	479	1.36	479	0.8	479	0.69
Papayas.....	65	-	-	65	0.18	65	0.11	47	0.07
Pineapples.....	20	-	-	-	-	18	0.03	-	-
Other	333	292	0.54	332	0.94	332	0.56	332	0.48
Other Fruit....	15	5	0.01	12	0.03	10	0.02	6	0.01
Stimulant Crop..	7732	7732	14.42	-	-	7729	12.93	7729	11.18
Coffee.....	7732	7732	14.42	-	-	7729	12.93	7729	11.18
Other Permanent.	15912	5899	11	15901	45.15	15901	26.59	15900	22.99
Sugar Cane.....	15898	5898	11	15898	45.15	15898	26.59	15898	22.99
Cotton	14334	10682	19.92	14184	40.28	2096	3.51	13364	19.32
Other	14	1	-	3	0.01	3	0.01	2	-

TABLE 4.2.2.2 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR STATE FARMS,2001/02 (1994 E.C.), MAIN(MEHER) SEASONS.

Afar — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	12837	9743	100	12837	100	750	100	12730	100
Vegetables.....	3	3	0.03	3	0.02	3	0.4	3	0.02
Other Vege.....	3	3	0.03	3	0.02	3	0.4	3	0.02
Root Crops.....	2	2	0.02	2	0.02	2	0.27	2	0.02
Other Root C...	2	2	0.02	2	0.02	2	0.27	2	0.02
Cotton	12312	9631	98.85	12312	95.91	225	30	12312	96.72
Permanet crops...	520	107	1.1	520	4.05	520	69.33	413	3.24
Fruit Crops.....	520	107	1.1	520	4.05	520	69.33	413	3.24
Bannas.....	354	107	1.1	354	2.76	354	47.2	247	1.94
Lemons.....	45	–	–	45	0.35	45	6	45	0.35
Mangos.....	19	–	–	19	0.15	19	2.53	19	0.15
Oranges.....	50	–	–	50	0.39	50	6.67	50	0.39
Papayas.....	24	–	–	24	0.19	24	3.2	24	0.19
Other	28	–	–	28	0.22	28	3.73	28	0.22

TABLE 4.2.2.3 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR STATE FARMS,2001/02 (1994 E.C.), MAIN(MEHER) SEASONS.

Oromia — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	48690	34474	100	20011	100	48584	100	47392	100
Grains Crops....	28963	25076	72.74	1618	8.09	28857	59.4	27702	58.45
Cereals.....	26734	24592	71.33	1406	7.03	26734	55.03	26734	56.41
Barley.....	539	302	0.88	–	–	539	1.11	539	1.14
Wheat.....	21920	20016	58.06	–	–	21920	45.12	21920	46.25
Maize.....	4275	4275	12.4	1406	7.03	4275	8.8	4275	9.02
Pulse.....	1030	365	1.06	199	0.99	1030	2.12	384	0.81
Horse beans...	681	117	0.34	–	–	681	1.4	185	0.39
Haricot beans.	349	249	0.72	199	0.99	349	0.72	199	0.42
Oile seed.....	1186	106	0.31	–	–	1080	2.22	571	1.2
Sesame.....	106	106	0.31	–	–	–	–	–	–
Rapeseed.....	1080	–	–	–	–	1080	2.22	571	1.2
Other Grain....	13	13	0.04	13	0.06	13	0.03	13	0.03
Vegetables.....	1019	1011	2.93	1019	5.09	1019	2.1	1019	2.15
Tomatoes.....	508	508	1.47	508	2.54	508	1.05	508	1.07
Green pepper...	39	36	0.1	39	0.19	39	0.08	39	0.08
Other.....	470	465	1.35	470	2.35	470	0.97	470	0.99
Other Vege.....	1	1	–	1	–	1	–	1	–
Root Crops.....	238	222	0.64	238	1.19	238	0.49	238	0.5
Onion.....	235	219	0.64	235	1.17	235	0.48	235	0.5
Other Root C...	3	3	0.01	3	0.01	3	0.01	3	0.01
Cotton	301	301	0.87	301	1.5	301	0.62	301	0.64
Permanet crops...	18169	7864	22.81	16835	84.13	18169	37.4	18132	38.25
Fruit Crops.....	934	631	1.83	934	4.67	934	1.92	898	1.89
Bannas.....	11	11	0.03	11	0.05	11	0.02	–	–
Guava(Zeytuna).	55	55	0.16	55	0.27	55	0.11	55	0.12
Mangos.....	84	81	0.23	84	0.42	84	0.17	81	0.17
Oranges.....	429	187	0.54	429	2.14	429	0.88	429	0.91
Papayas.....	41	–	–	41	0.2	41	0.08	23	0.05
Other	304	292	0.85	304	1.52	304	0.63	304	0.64
Other Fruit....	10	5	0.01	10	0.05	10	0.02	6	0.01
Stimulant Crop..	1334	1334	3.87	–	–	1334	2.75	1334	2.81
Coffee.....	1334	1334	3.87	–	–	1334	2.75	1334	2.81
Other Permanent.	15901	5899	17.11	15901	79.47	15901	32.73	15900	33.55
Sugar Cane.....	15898	5898	17.11	15898	79.45	15898	32.72	15898	33.55
Other	3	1	–	3	0.01	3	0.01	2	–

TABLE 4.2.2.4 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR STATE FARMS,2001/02 (1994 E.C.), MAIN(MEHER) SEASONS.

(S.N.N.P.R) IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	10658	9259	100	2366	100	10457	100	8889	100
Grains Crops....	2379	2260	24.41	659	27.85	2338	22.36	1894	21.31
Cereals.....	2263	2219	23.97	659	27.85	2263	21.64	1894	21.31
Teff.....	44	–	–	–	–	44	0.42	44	0.49
Maize.....	2219	2219	23.97	659	27.85	2219	21.22	1850	20.81
Pulse.....	75	–	–	–	–	75	0.72	–	–
Horse beans...	75	–	–	–	–	75	0.72	–	–
Other Grain....	41	41	0.44	–	–	–	–	–	–
Cotton	1570	600	6.48	1570	66.36	1570	15.01	600	6.75
Permanet crops...	6709	6399	69.11	137	5.79	6549	62.63	6395	71.94
Fruit Crops.....	300	1	0.01	137	5.79	154	1.47	–	–
Bannas.....	274	–	–	135	5.71	135	1.29	–	–
Pineapples.....	20	–	–	–	–	18	0.17	–	–
Other	1	1	0.01	–	–	–	–	–	–
Other Fruit....	5	–	–	2	0.08	1	0.01	–	–
Stimulant Crop..	6398	6398	69.1	–	–	6395	61.16	6395	71.94
Coffee.....	6398	6398	69.1	–	–	6395	61.16	6395	71.94
Other Permanent.	11	–	–	–	–	–	–	–	–
Other	10	–	–	–	–	–	–	–	–

TABLE 4.2.2.5 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR STATE FARMS,2001/02 (1994 E.C.), MAIN(MEHER) SEASONS.

Gambela IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	150	150	100	–	-	-	–	150	100
Cotton	150	150	100	–	-	-	–	150	100

TABLE 4.2.3.1 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR STATE FARMS,2001/02 (1994 E.C.), BELG SEASON.

Ethiopia — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	298	261	87.58	292	97.99	294	98.66	281	94.3
Grains Crops....	71	51	71.83	65	91.55	67	94.37	57	80.28
Cereals.....	71	51	71.83	65	91.55	67	94.37	57	80.28
Maize.....	68	49	72.06	65	95.59	65	95.59	57	83.82
Other Cereal..	3	2	66.67	-	-	2	66.67	-	-
Vegetables.....	25	17	68	25	100	25	100	25	100
Tomatoes.....	24	17	70.83	24	100	24	100	24	100
Other Vege.....	1	-	-	1	100	1	100	1	100
Root Crops.....	38	29	76.32	38	100	38	100	35	92.11
Onion.....	38	28	73.68	38	100	38	100	35	92.11
Cotton	164	164	100	164	100	164	100	164	100

TABLE 4.2.3.2 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR STATE FARMS,2001/02 (1994 E.C.), BELG SEASON.

Oromia — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	296	259	87.5	292	98.65	292	98.65	281	94.93
Grains Crops....	69	49	71.01	65	94.2	65	94.2	57	82.61
Cereals.....	69	49	71.01	65	94.2	65	94.2	57	82.61
Teff.....	-	-	-	-	-	-	-	-	-
Barley.....	-	-	-	-	-	-	-	-	-
Wheat.....	-	-	-	-	-	-	-	-	-
Maize.....	68	49	72.06	65	95.59	65	95.59	57	83.82
Other Cereal..	1	-	-	-	-	-	-	-	-
Vegetables.....	25	17	68	25	100	25	100	25	100
Tomatoes.....	24	17	70.83	24	100	24	100	24	100
Other Vege.....	1	-	-	1	100	1	100	1	100
Root Crops.....	38	29	76.32	38	100	38	100	35	92.11
Onion.....	38	28	73.68	38	100	38	100	35	92.11
Cotton	164	164	100	164	100	164	100	164	100

TABLE 4.2.3.3 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR STATE FARMS,2001/02 (1994 E.C.), BELG SEASON.

(S.N.N.P.R) — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	2	2	100	-	-	2	100	-	-
Grains Crops....	2	2	100	-	-	2	100	-	-
Cereals.....	2	2	100	-	-	2	100	-	-

TABLE 4.2.2.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASONS

Ethiopia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	59791	15	12543
Grains Crops....	31196	6	11366
Cereals.....	28997	-	9380
Teff.....	44	-	-
Barley.....	539	-	539
Wheat.....	21920	-	8448
Maize.....	6494	-	394
Pulse.....	1105	-	906
Horse beans...	756	-	756
Haricot beans.	349	-	150
Oile seed.....	1080	-	1080
Rapeseed.....	1080	-	1080
Other Grain....	13	6	-
Vegetables.....	1022	-	5
Tomatoes.....	508	-	4
Green pepper...	39	-	1
Other.....	470	-	-
Other Vege.....	4	-	-
Root Crops.....	240	-	10
Onion.....	235	-	10
Cotton	2096	-	1016
Permanet crops...	25238	9	145
Fruit Crops.....	1608	9	146
Bannas.....	500	8	127
Guava(Zeytuna).	55	-	-
Lemons.....	45	-	-
Mangos.....	102	-	-
Oranges.....	479	-	18
Papayas.....	65	-	-
Pineapples.....	18	-	-
Other	332	-	-
Other Fruit....	10	1	-
Stimulant Crop..	7729	-	-
Chat.....	-	-	-
Coffee.....	7729	-	-
Other Permanent.	15901	-	-
Enset.....	-	-	-
Sugar Cane.....	15898	-	-
Other	3	-	-

TABLE 4.2.2.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASONS

Afar

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	750	-	-
Vegetables.....	3	-	-
Root Crops.....	2	-	-
Cotton	225	-	-
Permanet crops...	520	-	-
Fruit Crops.....	520	-	-
Bannas.....	354	-	-
Lemons.....	45	-	-
Mangos.....	19	-	-
Oranges.....	50	-	-
Papayas.....	24	-	-
Other	28	-	-

TABLE 4.2.2.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASONS

Oromia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	48584	6	11002
Grains Crops....	28857	6	10923
Cereals.....	26734	–	9012
Barley.....	539	–	539
Wheat.....	21920	–	8448
Maize.....	4275	–	25
Pulse.....	1030	–	831
Horse beans...	681	–	681
Haricot beans.	349	–	150
Oile seed.....	1080	–	1080
Rapeseed.....	1080	–	1080
Other Grain....	13	6	–
Vegetables.....	1019	–	5
Tomatoes.....	508	–	4
Green pepper...	39	–	1
Other.....	470	-	–
Other Vege.....	1	-	–
Root Crops.....	238	–	10
Onion.....	235	–	10
Other Root C...	3	-	–
Cotton	301	–	46
Permanet crops...	18169	–	18
Fruit Crops.....	934	–	19
Bannas.....	11	-	–
Guava(Zeytuna).	55	-	–
Mangos.....	84	-	–
Oranges.....	429	–	18
Papayas.....	41	-	–
Other	304	-	–
Other Fruit....	10	-	–
Stimulant Crop..	1334	-	–
Coffee.....	1334	-	–
Other Permanent.	15901	-	–
Sugar Cane.....	15898	-	–

TABLE 4.2.2.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASONS

(S.N.N.P.R)

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	10457	9	1541
Grains Crops....	2338	–	444
Cereals.....	2263	–	369
Teff.....	44	-	–
Maize.....	2219	–	369
Pulse.....	75	–	75
Horse beans...	75	–	75
Cotton	1570	–	970
Permanet crops...	6548	9	127
Fruit Crops.....	154	9	127
Bannas.....	135	8	127
Pineapples.....	18	-	–
Other Fruit....	1	1	–
Stimulant Crop..	6395	-	–
Coffee.....	6395	-	–

TABLE 4.2.2.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASONS

Ethiopia

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	6005	31086	10142
Grains Crops....	-	19823	-
Cereals.....	-	19617	-
Teff.....	-	44	-
Wheat.....	-	13473	-
Maize.....	-	6100	-
Pulse.....	-	199	-
Haricot beans.	-	199	-
Other Grain....	-	7	-
Vegetables.....	-	1017	-
Tomatoes.....	-	504	-
Green pepper...	-	38	-
Other.....	-	470	-
Other Vege.....	-	4	-
Root Crops.....	-	230	-
Onion.....	-	225	-
Other Root C...	-	5	-
Cotton	-	1080	-
Permanet crops...	6005	8936	10142
Fruit Crops.....	107	1205	141
Bannas.....	107	258	-
Guava(Zeytuna).	-	55	-
Lemons.....	-	45	-
Mangos.....	-	100	2
Oranges.....	-	335	126
Papayas.....	-	65	-
Pineapples.....	-	18	-
Other	-	320	12
Other Fruit....	-	8	1
Stimulant Crop..	-	7729	-
Chat.....	-	-	-
Coffee.....	-	7729	-
Other Permanent.	5898	2	10001
Enset.....	-	-	-
Sugar Cane.....	5898	-	10000
Other	-	2	1

TABLE 4.2.2.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASONS

Afar

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	107	643	-
Vegetables.....	-	3	-
Other Vege.....	-	3	-
Root Crops.....	-	2	-
Other Root C...	-	2	-
Cotton	-	225	-
Permanet crops...	107	413	-
Fruit Crops.....	107	413	-
Avocado.....	-	-	-
Bannas.....	107	247	-
Lemons.....	-	45	-
Mangos.....	-	19	-
Oranges.....	-	50	-
Papayas.....	-	24	-
Other	-	28	-

TABLE 4.2.2.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASONS

Oromia

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	5898	21536	10142
Grains Crops....	-	17929	-
Cereals.....	-	17722	-
Wheat.....	-	13473	-
Maize.....	-	4250	-
Pulse.....	-	199	-
Haricot beans.	-	199	-
Other Grain....	-	7	-
Vegetables.....	-	1014	-
Tomatoes.....	-	504	-
Green pepper...	-	38	-
Other.....	-	470	-
Other Vege.....	-	1	-
Root Crops.....	-	228	-
Onion.....	-	225	-
Other Root C...	-	3	-
Cotton	-	256	-
Permanet crops...	5898	2110	10142
Fruit Crops.....	-	774	141
Bannas.....	-	11	-
Guava(Zeytuna).	-	55	-
Mangos.....	-	81	2
Oranges.....	-	285	126
Papayas.....	-	41	-
Other	-	292	12
Other Fruit....	-	8	1
Stimulant Crop..	-	1334	-
Coffee.....	-	1334	-
Other Permanent.	5898	2	10001
Sugar Cane.....	5898	-	10000
Other	-	2	1

TABLE 4.2.2.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASONS

(S.N.N.P.R)

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	-	8907	-
Grains Crops....	-	1894	-
Cereals.....	-	1894	-
Teff.....	-	44	-
Maize.....	-	1850	-
Cotton	-	600	-
Permanet crops...	-	6413	-
Fruit Crops.....	-	18	-
Pineapples.....	-	18	-
Stimulant Crop..	-	6395	-
Coffee.....	-	6395	-

TABLE 1.2.2.1D. TOTAL DAMAGED CROPLAND AREA BY CAUSES AND REGION DAMAGE FOR LARGE AND MEDIUM SCALE FARMS 2001/02(1994 E.C.), MEHER SEASON. STATE FARMS

TYPE OF CROP DAMAGE	Total damaged crop land area in hectares									
		REGIONS								
	Country Level Total	Tigray	Afar	Amhara	Oromiya	Somale	Bensh-Gum	SNNPR	Gambela	Addis A.
Total	3758	-	1829	-	1782	-	-	125	23	-
Percent	100	-	48.67	-	47.42	-	-	3.33	0.61	-
Crop Disease.....	-	-	-	-	-	-	-	-	-	-
Percent	-	-	-	-	-	-	-	-	-	-
Frost of Flood.....	1622	-	1278	-	294	-	-	50	-	-
Percent	43.16	-	78.79	-	18.13	-	-	3.08		-
Locust.....	551	-	551	-	-	-	-	-	-	-
Percent	14.66	-	100.00	-	-	-	-	-	-	-
Shortage of Rain....	1135	-	-	-	1071	-	-	65	-	-
Percent	30.20	-	-	-	94.36	-	-	5.73		-
Too Much Rain.....	24	-	-	-	24	-	-	-	-	-
Percent	0.64	-	-	-	100	-	-			-
Wild Animals.....	-	-	-	-	-	-	-	-	-	-
Percent	-	-	-	-	-	-	-	-	-	-
Birds.....	85	-	-	-	85	-	-	-	-	-
Percent	2.26	-	-	-	100	-	-	-	-	-
Snow.....	-	-	-	-	-	-	-	-	-	-
Percent	-	-	-	-	-	-	-	-	-	-
Pests and Insects...	341	-	-	-	308	-	-	10	23	-
Percent	9.07	-	-	-	90.32	-	-	2.93	6.74	-

TABLE 4.2.3.1 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR STATE FARMS,2001/02 (1994 E.C.), BELG SEASON.

Ethiopia IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	298	261	87.58	292	97.99	294	98.66	281	94.3
Grains Crops....	71	51	71.83	65	91.55	67	94.37	57	80.28
Cereals.....	71	51	71.83	65	91.55	67	94.37	57	80.28
Maize.....	68	49	72.06	65	95.59	65	95.59	57	83.82
Other Cereal..	3	2	66.67	-	-	2	66.67	-	-
Vegetables.....	25	17	68	25	100	25	100	25	100
Tomatoes.....	24	17	70.83	24	100	24	100	24	100
Other Vege.....	1	-	-	1	100	1	100	1	100
Root Crops.....	38	29	76.32	38	100	38	100	35	92.11
Onion.....	38	28	73.68	38	100	38	100	35	92.11
Cotton	164	164	100	164	100	164	100	164	100

TABLE 4.2.3.2 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR STATE FARMS,2001/02 (1994 E.C.), BELG SEASON.

Oromia IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	296	259	87.5	292	98.65	292	98.65	281	94.93
Grains Crops....	69	49	71.01	65	94.2	65	94.2	57	82.61
Cereals.....	69	49	71.01	65	94.2	65	94.2	57	82.61
Teff.....	-	-	-	-	-	-	-	-	-
Barley.....	-	-	-	-	-	-	-	-	-
Wheat.....	-	-	-	-	-	-	-	-	-
Maize.....	68	49	72.06	65	95.59	65	95.59	57	83.82
Other Cereal..	1	-	-	-	-	-	-	-	-
Vegetables.....	25	17	68	25	100	25	100	25	100
Tomatoes.....	24	17	70.83	24	100	24	100	24	100
Other Vege.....	1	-	-	1	100	1	100	1	100
Root Crops.....	38	29	76.32	38	100	38	100	35	92.11
Onion.....	38	28	73.68	38	100	38	100	35	92.11
Cotton	164	164	100	164	100	164	100	164	100

TABLE 4.2.3.3 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR STATE FARMS,2001/02 (1994 E.C.), BELG SEASON.

(S.N.N.P.R) IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	2	2	100	-	-	2	100	-	-
Grains Crops....	2	2	100	-	-	2	100	-	-
Cereals.....	2	2	100	-	-	2	100	-	-

TABLE 4.2.3.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), BELG SEASON

Ethiopia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	294	-	8
Grains Crops....	67	-	8
Cereals.....	67	-	8
Maize.....	65	-	8
Other Cereal..	2	-	-
Vegetables.....	25	-	-
Tomatoes.....	24	-	-
Other Vege.....	1	-	-
Root Crops.....	38	-	-
Onion.....	38	-	-
Cotton	164	-	-

TABLE 4.2.3.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), BELG SEASON

Oromia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	292	-	8
Grains Crops....	65	-	8
Cereals.....	65	-	8
Maize.....	65	-	8
Vegetables.....	25	-	-
Tomatoes.....	24	-	-
Other Vege.....	1	-	-
Root Crops.....	38	-	-
Onion.....	38	-	-
Cotton	164	-	-

TABLE 4.2.3.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), BELG SEASON

(S.N.N.P.R)

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	2	-	-
Grains Crops....	2	-	-
Cereals.....	2	-	-

TABLE 4.2.3.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), BELG SEASON

Ethiopia

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	-	286	-
Grains Crops....	-	59	-
Cereals.....	-	59	-
Maize.....	-	57	-
Other Cereal..	-	2	-
Vegetables.....	-	25	-
Tomatoes.....	-	24	-
Other Vege.....	-	1	-
Root Crops.....	-	38	-
Onion.....	-	38	-
Cotton	-	164	-

TABLE 4.2.3.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), BELG SEASON

Oromia

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	-	284	-
Grains Crops....	-	57	-
Cereals.....	-	57	-
Maize.....	-	57	-
Vegetables.....	-	25	-
Tomatoes.....	-	24	-
Other Vege.....	-	1	-
Root Crops.....	-	38	-
Onion.....	-	38	-
Cotton	-	164	-

TABLE 4.2.3.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR STATE FARMS ,2001/02(1994 E.C.), BELG SEASON

(S.N.N.P.R)

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	-	2	-
Grains Crops....	-	2	-
Cereals.....	-	2	-

TABLE 4.3.1.1 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), BOTH SEASONS.

Ethiopia — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	238505	49996	100	59833	100	145460	100	68862	100
Grains Crops....	155055	33524	67.05	19050	31.84	83619	57.49	44914	65.22
Cereals.....	110735	30898	61.8	18958	31.68	76539	52.62	30543	44.35
Teff.....	878	255	0.51	110	0.18	433	0.3	546	0.79
Barley.....	123	34	0.07	4	0.01	92	0.06	86	0.12
Wheat.....	19847	14063	28.13	7	0.01	19645	13.51	9669	14.04
Maize.....	55842	14754	29.51	18293	30.57	55204	37.95	11851	17.21
Sorghum.....	33758	1707	3.41	458	0.77	1000	0.69	8300	12.05
Millet.....	13	-	-	-	-	-	-	10	0.01
Rice.....	235	80	0.16	80	0.13	155	0.11	80	0.12
Other Cereal..	39	6	0.01	7	0.01	10	0.01	1	-
Pulse.....	5380	1164	2.33	13	0.02	4338	2.98	1797	2.61
Horse beans...	62	60	0.12	-	-	60	0.04	61	0.09
Field peas....	110	-	-	-	-	70	0.05	-	-
Haricot beans.	319	115	0.23	5	0.01	29	0.02	19	0.03
Chick peas....	323	83	0.17	-	-	70	0.05	172	0.25
Soya.....	4492	901	1.8	4	0.01	4095	2.82	1536	2.23
Other Pulse...	75	4	0.01	4	0.01	14	0.01	10	0.01
Oile seed.....	37491	1400	2.8	6	0.01	1430	0.98	12519	18.18
Nueg.....	916	-	-	-	-	10	0.01	-	-
Linseed.....	53	-	-	-	-	39	0.03	32	0.05
Ground nuts...	28	-	-	-	-	-	-	-	-
Sesame.....	36094	1016	2.03	-	-	996	0.68	12158	17.66
Rapeseed.....	379	379	0.76	-	-	379	0.26	329	0.48
Other Oile S..	21	5	0.01	6	0.01	6	-	-	-
Other Grain....	1449	62	0.12	73	0.12	1312	0.9	55	0.08
Vegetables.....	21259	616	1.23	10846	18.13	21044	14.47	432	0.63
Lettuce.....	50	26	0.05	50	0.08	50	0.03	12	0.02
Cabbage.....	10021	21	0.04	5021	8.39	10020	6.89	4	0.01
Kale.....	17	-	-	17	0.03	17	0.01	-	-
Tomatoes.....	258	167	0.33	202	0.34	180	0.12	167	0.24
Green pepper...	26	14	0.03	26	0.04	26	0.02	6	0.01
Red paper.....	528	116	0.23	176	0.29	426	0.29	159	0.23
Swiss chard....	10035	23	0.05	5035	8.42	10033	6.9	11	0.02
Other.....	227	209	0.42	227	0.38	227	0.16	34	0.05
Other Vege.....	96	41	0.08	92	0.15	65	0.04	39	0.06
Root Crops.....	31584	1427	2.85	21556	36.03	31519	21.67	222	0.32
Carrot.....	21	20	0.04	21	0.04	20	0.01	-	
Onion.....	280	195	0.39	271	0.45	248	0.17	197	0.29
Potatoes.....	30016	-	-	20015	33.45	30011	20.63	4	0.01
Sweet potatoes.	1200	1200	2.4	1200	2.01	1200	0.82	-	-
Other Root C...	67	11	0.02	48	0.08	39	0.03	20	0.03
Cotton	14514	3539	7.08	4091	6.84	417	0.29	13526	19.64
Permanet crops...	16093	10890	21.78	4290	7.17	8861	6.09	9768	14.19
Fruit Crops.....	1611	151	0.3	273	0.46	1341	0.92	62	0.09
Avocado.....	40	15	0.03	5	0.01	2	-	-	-
Bannas.....	41	6	0.01	26	0.04	6	-	5	0.01
Guava(Zeytuna).	1285	7	0.01	35	0.06	1261	0.87	-	-
Mangos.....	87	57	0.11	71	0.12	11	0.01	12	0.02
Papayas.....	41	12	0.02	41	0.07	3	-	15	0.02
Other	15	6	0.01	12	0.02	8	0.01	1	-
Other Fruit....	101	50	0.1	83	0.14	50	0.03	29	0.04
Stimulant Crop..	10963	8978	17.96	1717	2.87	5321	3.66	6272	9.11
Chat.....	19	1	-	9	0.02	7	-	2	-
Coffee.....	10904	8969	17.94	1685	2.82	5301	3.64	6269	9.1
Other Stimulant	40	9	0.02	23	0.04	13	0.01	2	-
Other Permanent.	7038	2514	7.04	2510	7.68	4398	3.02	4844	9.98
Sugar Cane.....	1077	504	1.01	1045	1.75	1015	0.7	1012	1.47
Cotton	14514	3539	7.08	4091	6.84	417	0.29	13526	19.64
Tea	2418	1249	2.5	1249	2.09	1169	0.8	2418	3.51
Other	18	8	0.02	1	-	11	0.01	4	0.01
Other Perm.....	7	-	-	6	0.01	5	-	-	-

TABLE 4.3.1.2 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), BOTH SEASONS.

Tigray — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	175939	14020	100	49007	100	104958	100	27891	100
Grains Crops....	114607	11771	83.96	17593	35.9	52305	49.83	19248	69.01
Cereals.....	80005	10862	77.48	17543	35.8	50336	47.96	7338	26.31
Teff.....	159	10	0.07	1	-	39	0.04	30	0.11
Barley.....	22	1	0.01	1	-	2	-	1	-
Wheat.....	10009	10006	71.37	7	0.01	10007	9.53	-	-
Maize.....	40046	6	0.04	17506	35.72	40025	38.13	3	0.01
Sorghum.....	29767	840	5.99	25	0.05	261	0.25	7304	26.19
Other Cereal..	4	-	-	3	0.01	3	-	-	-
Pulse.....	39	-	-	1	-	18	0.02	18	0.06
Chick peas....	27	-	-	-	-	11	0.01	14	0.05
Other Pulse...	12	-	-	1	-	7	0.01	4	0.01
Oile seed.....	33262	860	6.13	-	-	651	0.62	11892	42.64
Sesame.....	33262	860	6.13	-	-	651	0.62	11892	42.64
Other Grain....	1301	49	0.35	49	0.1	1300	1.24	-	-
Vegetables.....	20096	90	0.64	10094	20.6	20090	19.14	9	0.03
Lettuce.....	26	26	0.19	26	0.05	26	0.02	-	
Cabbage.....	10021	21	0.15	5021	10.25	10020	9.55	4	0.01
Green pepper...	13	13	0.09	13	0.03	13	0.01	-	-
Swiss chard....	10023	22	0.16	5023	10.25	10022	9.55	1	-
Other Vege.....	13	9	0.06	11	0.02	9	0.01	4	0.01
Root Crops.....	31292	1288	9.19	21291	43.44	31288	29.81	5	0.02
Carrot.....	20	20	0.14	20	0.04	20	0.02	-	-
Onion.....	70	67	0.48	70	0.14	67	0.06	5	0.02
Potatoes.....	30000	-	-	20000	40.81	30000	28.58	-	-
Sweet potatoes.	1200	1200	8.56	1200	2.45	1200	1.14	-	-
Cotton	8665	850	6.06	-	-	-	-	8620	30.91
Permanet crops...	1279	21	0.15	29	0.06	1275	1.21	9	0.03
Fruit Crops.....	1276	19	0.14	26	0.05	1273	1.21	9	0.03
Guava(Zeytuna).	1255	4	0.03	5	0.01	1254	1.19	-	-
Other	1	1	0.01	1	-	1	-	-	-
Other Fruit....	19	14	0.1	19	0.04	17	0.02	9	0.03
Stimulant Crop..	2	1	0.01	2	-	1	-	-	-
Other Stimulant	2	1	0.01	2	-	1	-	-	-
Other Permanent.	1	1	0.01	1	-	1	-	-	-
Cotton	8665	850	6.06	-	-	-	-	8620	30.91

TABLE 4.3.1.3 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), BOTH SEASONS.

Afar — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	4532	2053	100	4532	100	-	-	4443	100
Grains Crops....	426	388	18.9	426	9.4	-	-	386	8.69
Cereals.....	424	386	18.8	424	9.36	-	-	386	8.69
Maize.....	38	-	-	38	0.84	-	-	-	-
Sorghum.....	386	386	18.8	386	8.52	-	-	386	8.69
Oile seed.....	2	2	0.1	2	0.04	-	-	-	-
Cotton	4091	1665	81.1	4091	90.27	-	-	4057	91.31
Permanet crops...	15	-	-	15	0.33	-	-	-	-
Fruit Crops.....	14	-	-	14	0.31	-	-	-	-
Other	2	-	-	2	0.04	-	-	-	-
Other Fruit....	12	-	-	12	0.26	-	-	-	-
Stimulant Crop..	1	-	-	1	0.02	-	-	-	-

TABLE 4.3.1.4 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), BOTH SEASONS.

Amhara — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	14941	7894	100	735	100	9624	100	8747	100
Grains Crops....	13285	7122	90.22	351	47.76	9264	96.26	8382	95.83
Cereals.....	9623	7061	89.45	333	45.31	7232	75.15	7012	80.16
Teff.....	330	224	2.84	29	3.95	190	1.97	239	2.73
Barley.....	14	2	0.03	-	-	3	0.03	-	-
Wheat.....	89	47	0.6	-	-	78	0.81	15	0.17
Maize.....	6979	6689	84.74	223	30.34	6692	69.53	6229	71.21
Sorghum.....	1973	20	0.25	1	0.14	112	1.16	449	5.13
Rice.....	235	80	1.01	80	10.88	155	1.61	80	0.91
Other Cereal..	4	-	-	1	0.14	3	0.03	-	-
Pulse.....	2206	57	0.72	1	0.14	2020	20.99	1119	12.79
Haricot beans.	11	-	-	-	-	-	-	-	-
Chick peas....	113	53	0.67	-	-	-	-	54	0.62
Soya.....	2069	1	0.01	-	-	2019	20.98	1065	12.18
Other Pulse...	13	3	0.04	1	0.14	-	-	-	
Oile seed.....	1432	-	-	-	-	11	0.11	233	2.66
Nueg.....	88	-	-	-	-	-	-	-	-
Sesame.....	1344	-	-	-	-	10	0.1	233	2.66
Other Grain....	24	4	0.05	17	2.31	1	0.01	18	0.21
Vegetables.....	356	58	0.73	209	28.44	265	2.75	56	0.64
Tomatoes.....	93	39	0.49	37	5.03	15	0.16	36	0.41
Red paper.....	242	5	0.06	151	20.54	241	2.5	6	0.07
Other Vege.....	21	15	0.19	21	2.86	9	0.09	13	0.15
Root Crops.....	76	57	0.72	65	8.84	44	0.46	68	0.78
Onion.....	67	57	0.72	59	8.03	42	0.44	64	0.73
Other Root C...	9	-		6	0.82	2	0.02	3	0.03
Cotton	1111	622	7.88	-	-	20	0.21	202	2.31
Permanet crops...	113	35	0.44	110	14.97	31	0.32	39	0.45
Fruit Crops.....	71	34	0.43	69	9.39	23	0.24	39	0.45
Bannas.....	14	1	0.01	11	1.5	2	0.02	5	0.06
Mangos.....	13	8	0.1	13	1.77	7	0.07	8	0.09
Papayas.....	23	11	0.14	23	3.13	3	0.03	15	0.17
Other	2	2	0.03	2	0.27	-	-	1	0.01
Other Fruit....	19	13	0.16	19	2.59	12	0.12	11	0.13
Stimulant Crop..	10	1	0.01	9	1.22	8	0.08	-	-
Other Stimulant	10	1	0.01	9	1.22	8	0.08	-	-
Other Permanent.	32	-	-	32	4.35	-	-	-	-
Sugar Cane.....	32	-	-	32	4.35	-	-	-	-
Cotton	1111	622	7.88	-	-	20	0.21	202	2.31

TABLE 4.3.1.5 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), BOTH SEASONS.

Oromia — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	31599	19682	100	3424	100	26892	100	21981	100
Grains Crops....	21560	12727	64.66	556	16.24	19767	73.51	15259	69.42
Cereals.....	17794	11307	57.45	547	15.98	17181	63.89	14515	66.03
Teff.....	279	6	0.03	80	2.34	176	0.65	251	1.14
Barley.....	88	32	0.16	3	0.09	87	0.32	86	0.39
Wheat.....	9032	3831	19.46	-	-	8991	33.43	8944	40.69
Maize.....	7542	7139	36.27	465	13.58	7430	27.63	5142	23.39
Sorghum.....	853	299	1.52	-	-	498	1.85	92	0.42
Other Cereal..	1	-	-	-	-	-	-	-	-
Pulse.....	2168	955	4.85	8	0.23	1828	6.8	346	1.57
Horse beans...	62	60	0.3	-	-	60	0.22	61	0.28
Field peas....	110	-	-	-	-	70	0.26	-	-
Haricot beans.	171	20	0.1	4	0.12	25	0.09	4	0.02
Chick peas....	28	-	-	-		4	0.01	-	
Soya.....	1776	875	4.45	4	0.12	1664	6.19	282	1.28
Other Pulse...	22	-		1	0.03	5	0.02	-	-
Oile seed.....	1550	461	2.34	-	-	754	2.8	361	1.64
Nueg.....	256	-	-	-	-	-	-	-	-
Linseed.....	53	-	-	-	-	39	0.15	32	0.15
Sesame.....	856	82	0.42	-	-	334	1.24	-	-
Rapeseed.....	379	379	1.93	-	-	379	1.41	329	1.5
Other Oile S..	6	-	-	-	-	2	0.01	-	-
Other Grain....	48	4	0.02	1	0.03	4	0.01	37	0.17
Vegetables.....	498	354	1.8	355	10.37	444	1.65	231	1.05
Tomatoes.....	97	60	0.3	97	2.83	97	0.36	62	0.28
Green pepper...	13	1	0.01	12	0.35	12	0.04	6	0.03
Red paper.....	146	71	0.36	5	0.15	100	0.37	114	0.52
Other.....	215	208	1.06	215	6.28	215	0.8	29	0.13
Other Vege.....	26	15	0.08	25	0.73	20	0.07	19	0.09
Root Crops.....	154	76	0.39	148	4.32	146	0.54	131	0.6
Onion.....	142	72	0.37	142	4.15	139	0.52	128	0.58
Other Root C...	12	4	0.02	6	0.18	7	0.03	3	0.01
Cotton	67	52	0.26	-	-	67	0.25	67	0.3
Permanet crops...	9320	6473	32.89	2365	69.07	6468	24.05	6293	28.63
Fruit Crops.....	62	26	0.13	25	0.73	16	0.06	11	0.05
Avocado.....	18	4	0.02	-	-	-	-	-	-
Bannas.....	16	4	0.02	4	0.12	4	0.01	-	-
Mangos.....	11	4	0.02	8	0.23	1	-	3	0.01
Other	1	1	0.01	1	0.03	1	-	-	-
Other Fruit....	16	13	0.07	12	0.35	11	0.04	9	0.04
Stimulant Crop..	7348	5943	30.2	1322	38.61	4573	17.01	4410	20.06
Chat.....	19	1	0.01	9	0.26	7	0.03	2	0.01
Coffee.....	7327	5943	30.2	1312	38.32	4565	16.98	4408	20.05
Other Stimulant	2	-	-	2	0.06	-	-	-	-
	1977	556	2.82	1018	29.73	1946	7.24	1939	8.82
Other Permanent.	1910	504	2.56	1018	29.73	1879	6.99	1872	8.52
Sugar Cane.....	1045	504	2.56	1013	29.59	1014	3.77	1012	4.6
Tea	860	-	-	-	-	860	3.2	860	3.91
Other Perm.....	5	-	-	5	0.15	5	0.02	-	-

TABLE 4.3.1.6 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), BOTH SEASONS.

Somale — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	270	62	100	193	100	104	100	-	-
Grains Crops....	114	6	9.68	41	21.24	62	59.62	-	-
Cereals.....	107	5	8.06	35	18.13	58	55.77	-	-
Maize.....	50	2	3.23	17	8.81	32	30.77	-	-
Sorghum.....	54	2	3.23	16	8.29	26	25	-	-
Other Cereal..	4	2	3.23	2	1.04	-		-	-
Pulse.....	3	1	1.61	2	1.04	-		-	-
Other Pulse...	3	1	1.61	2	1.04	-		-	-
Oile seed.....	4	-	-	4	2.07	4	3.85	-	-
Other Oile S..	4	-	-	4	2.07	4	3.85	-	-
Vegetables.....	16	-	-	16	8.29	12	11.54	-	-
Other Vege.....	16	-	-	16	8.29	12	11.54	-	-
Root Crops.....	13	-	-	13	6.74	6	5.77	-	-
Other Root C...	12	-	-	12	6.22	6	5.77	-	-
Permanet crops...	127	56	90.32	123	63.73	24	23.08	-	-
Fruit Crops.....	114	50	80.65	114	59.07	21	20.19	-	-
Guava(Zeytuna).	29	3	4.84	29	15.03	6	5.77	-	-
Mangos.....	50	45	72.58	50	25.91	4	3.85	-	-
Papayas.....	18	1	1.61	18	9.33	-	-	-	-
Other	6	-	-	6	3.11	6	5.77	-	-
Other Fruit....	11	1	1.61	11	5.7	5	4.81	-	-
Stimulant Crop..	13	6	9.68	9	4.66	3	2.88	-	-
Other Stimulant	13	6	9.68	9	4.66	3	2.88	-	-

TABLE 4.3.1.7 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), BOTH SEASONS.

Benshangul-Gumuz — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	3236	520	100	26	100	1230	100	658	100
Grains Crops....	2920	476	91.54	2	7.69	994	80.81	424	64.44
Cereals.....	1089	377	72.5	2	7.69	579	47.07	202	30.7
Teff.....	11	-	-	-	-	-	-	-	-
Maize.....	545	375	72.12	-	-	526	42.76	172	26.14
Sorghum.....	528	-	-	-	-	53	4.31	30	4.56
Other Cereal..	5	2	0.38	2	7.69	-	-	-	-
Pulse.....	661	25	4.81	-	-	415	33.74	189	28.72
Haricot beans.	13	-	-	-	-	4	0.33	-	-
Soya.....	647	25	4.81	-	-	411	33.41	189	28.72
Other Pulse...	1	-	-	-	-	-	-	-	-
Oile seed.....	1170	74	14.23	-	-	-	-	33	5.02
Nueg.....	511	-	-	-	-	-	-	-	-
Ground nuts...	28	-	-	-	-	-	-	-	-
Sesame.....	631	74	14.23	-	-	-	-	33	5.02
Vegetables.....	52	41	7.88	21	80.77	3	0.24	-	-
Red paper.....	51	40	7.69	20	76.92	3	0.24	-	-
Other Vege.....	1	1	0.19	1	3.85	-	-	-	-
Root Crops.....	1	1	0.19	1	3.85	-	-	-	-
Other Root C...	1	1	0.19	1	3.85	-	-	-	-
Cotton	230	-	-	-	-	230	18.7	230	34.95
Permanet crops...	33	2	0.38	2	7.69	3	0.24	4	0.61
Fruit Crops.....	23	-	-	1	3.85	3	0.24	2	0.3
Mangos.....	12	-	-	-	-	-	-	2	0.3
Other Fruit....	11	-	-	1	3.85	3	0.24	-	-
Stimulant Crop..	9	2	0.38	1	3.85	-	-	2	0.3
Other Stimulant	9	2	0.38	1	3.85	-	-	2	0.3
Other Permanent.	1	-	-	-	-	-	-	-	-

TABLE 4.3.1.8 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), BOTH SEASONS.

(S.N.N.P.R) IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	7323	5261	100	1800	100	2340	100	4659	100
Grains Crops....	2093	1033	19.64	82	4.56	1204	51.45	1209	25.95
Cereals.....	1661	899	17.09	75	4.17	1131	48.33	1090	23.4
Teff.....	81	15	0.29	-	-	10	0.43	25	0.54
Wheat.....	718	180	3.42	-	-	571	24.4	710	15.24
Maize.....	643	544	10.34	45	2.5	499	21.32	305	6.55
Sorghum.....	197	160	3.04	30	1.67	50	2.14	40	0.86
Millet.....	13	-	-	-	-	-	-	10	0.21
Other Cereal..	9	-	-	-	-	1	0.04	1	0.02
Pulse.....	288	125	2.38	1	0.06	56	2.39	119	2.55
Haricot beans.	124	95	1.81	1	0.06	-	-	15	0.32
Chick peas....	155	30	0.57	-	-	55	2.35	104	2.23
Other Pulse...	9	-	-	-	-	1	0.04	-	-
Oile seed.....	70	3	0.06	-	-	10	0.43	-	-
Nueg.....	62	-	-	-	-	10	0.43	-	-
Other Oile S..	8	3	0.06	-	-	-	-	-	-
Other Grain....	74	6	0.11	6	0.33	7	0.3	-	-
Vegetables.....	162	69	1.31	72	4	153	6.54	107	2.3
Tomatoes.....	69	69	1.31	69	3.83	68	2.91	68	1.46
Red paper.....	89	-	-	-	-	82	3.5	38	0.82
Other Vege.....	5	1	0.02	3	0.17	2	0.09	-	-
Root Crops.....	10	1	0.02	-	-	7	0.3	4	0.09
Other Root C...	10	1	0.02	-	-	7	0.3	4	0.09
Permanet crops...	5058	4158	79.03	1646	91.44	976	41.71	3339	71.67
Fruit Crops.....	46	19	0.36	24	1.33	5	0.21	-	-
Avocado.....	22	11	0.21	5	0.28	2	0.09	-	-
Bannas.....	11	-	-	10	0.56	-	-	-	-
Other Fruit....	13	9	0.17	9	0.5	3	0.13	-	-
Stimulant Crop..	3437	2883	54.8	373	20.72	652	27.86	1777	38.14
Coffee.....	3433	2883	54.8	373	20.72	652	27.86	1777	38.14
Other Stimulant	5	-	-	-	-	-	-	-	-
Other Permanent.	1575	1256	23.87	1249	69.39	319	13.63	1562	33.53
Tea	1558	1249	23.74	1249	69.39	309	13.21	1558	33.44
Other	17	7	0.13	-	-	10	0.43	4	0.09

TABLE 4.3.1.9 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), BOTH SEASONS.

Gambela IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	509	500	100	1	100	184	100	434	100
Grains Crops....	11	3	0.6	-	-	-	-	-	-
Cereals.....	9	3	0.6	-	-	-	-	-	-
Other Cereal..	9	3	0.6	-	-	-	-	-	-
Other Grain....	2	-	-	-	-	-	-	-	-
Vegetables.....	1	-	-	1	100	-	-	-	-
Other Vege.....	1	-	-	1	100	-	-	-	-
Cotton	350	350	70	-	-	100	54.35	350	80.65
Permanet crops...	147	147	29.4	-	-	84	45.65	84	19.35
Fruit Crops.....	3	3	0.6	-	-	-	-	-	-
Stimulant Crop..	144	144	28.8	-	-	84	45.65	84	19.35
Coffee.....	144	144	28.8	-	-	84	45.65	84	19.35

TABLE 4.3.1.10 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), BOTH SEASONS.

Addis Ababa — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	155	7	100	117	100	129	100	51	100
Grains Crops....	38	-	-	-	-	25	19.38	7	13.73
Cereals.....	23	-	-	-	-	23	17.83	1	1.96
Teff.....	19	-	-	-	-	19	14.73	1	1.96
Other Cereal..	4	-	-	-	-	4	3.1	-	-
Pulse.....	15	-	-	-	-	2	1.55	6	11.76
Other Pulse...	15	-	-	-	-	2	1.55	6	11.76
Vegetables.....	78	3	42.86	78	66.67	76	58.91	30	58.82
Lettuce.....	24	-	-	24	20.51	24	18.6	12	23.53
Kale.....	16	-	-	16	13.68	16	12.4	-	-
Swiss chard....	11	1	14.29	11	9.4	11	8.53	10	19.61
Other.....	12	1	14.29	12	10.26	12	9.3	5	9.8
Other Vege.....	14	1	14.29	14	11.97	13	10.08	3	5.88
Root Crops.....	38	4	57.14	38	32.48	28	21.71	14	27.45
Potatoes.....	15	-	-	15	12.82	10	7.75	4	7.84
Other Root C...	23	4	57.14	23	19.66	18	13.95	10	19.61
Permanet crops...	1	-	-	1	0.85	-	-	-	-
Other Permanent.	1	-	-	1	0.85	-	-	-	-

TABLE 4.3.1.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Ethiopia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	145459	84941	4299
Grains Crops....	83618	46875	4105
Cereals.....	76539	45226	1593
Teff.....	433	23	240
Barley.....	92	1	50
Wheat.....	19645	10026	871
Maize.....	55204	35106	17
Sorghum.....	1000	69	259
Rice.....	155	-	155
Other Cereal..	10	1	1
Pulse.....	4338	335	1974
Horse beans...	60	-	60
Field peas....	70	45	-
Haricot beans.	29	6	4
Chick peas....	70	36	4
Soya.....	4095	241	1902
Other Pulse...	14	7	4
Oile seed.....	1430	7	536
Nueg.....	10	-	-
Linseed.....	39	-	39
Sesame.....	996	2	118
Rapeseed.....	379	-	379
Other Oile S..	6	4	-
Other Grain....	1312	1307	3
Vegetables.....	21044	20112	15
Lettuce.....	50	26	-
Cabbage.....	10020	10016	-
Kale.....	17	-	-
Tomatoes.....	180	7	3
Green pepper...	26	13	-
Red paper.....	426	8	12
Swiss chard....	10033	10020	-
Other.....	227	-	-
Other Vege.....	65	22	-
Root Crops.....	31519	16314	5
Carrot.....	20	20	-
Onion.....	248	84	-
Potatoes.....	30011	15000	1
Sweet potatoes.	1200	1200	-
Other Root C...	39	10	4
Permanet crops...	9278	1640	174
Fruit Crops.....	1341	1311	-
Avocado.....	2	-	-
Bannas.....	6	5	-
Guava(Zeytuna).	1261	1260	-
Mangos.....	11	9	-
Papayas.....	3	-	-
Other	8	7	-
Other Fruit....	50	30	-
Stimulant Crop..	5321	312	174
Chat.....	7	7	-
Coffee.....	5301	300	174
Other Stimulant	13	5	-
Other Permanent.	2616	17	-
Sugar Cane.....	1015	2	-
Cotton	417	-	-
Tea	1169	-	-
Other	11	9	-
Other Perm.....	5	5	-

TABLE 4.3.1.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Tigray

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	104958	84008	-
Grains Crops....	52305	46382	-
Cereals.....	50336	45062	-
Teff.....	39	21	-
Barley.....	2	1	-
Wheat.....	10007	10000	-
Maize.....	40025	35018	-
Sorghum.....	261	21	-
Other Cereal..	3	1	-
Pulse.....	18	17	-
Chick peas....	11	11	-
Other Pulse...	7	6	-
Oile seed.....	651	2	-
Sesame.....	651	2	-
Other Grain....	1300	1300	-
Vegetables.....	20090	20077	-
Lettuce.....	26	25	-
Cabbage.....	10020	10016	-
Green pepper...	13	12	-
Swiss chard....	10022	10020	-
Other Vege.....	9	3	-
Root Crops.....	31288	16282	-
Carrot.....	20	20	-
Onion.....	67	61	-
Potatoes.....	30000	15000	-
Sweet potatoes.	1200	1200	-
Permanet crops...	1275	1268	-
Fruit Crops.....	1273	1266	-
Guava(Zeytuna).	1254	1254	-
Other	1	-	-
Other Fruit....	17	12	-
Stimulant Crop..	1	1	-
Other Stimulant	1	1	-
Other Permanent.	1	1	-

TABLE 4.3.1.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Amhara

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	9623	100	884
Grains Crops....	9262	57	884
Cereals.....	7232	56	439
Teff.....	190	1	183
Barley.....	3	-	-
Wheat.....	78	25	-
Maize.....	6692	29	1
Sorghum.....	112	2	100
Rice.....	155	-	155
Other Cereal..	3	-	-
Pulse.....	2020	-	435
Soya.....	2019	-	435
Oile seed.....	11	1	10
Sesame.....	10	-	10
Other Grain....	1	-	-
Vegetables.....	265	10	-
Tomatoes.....	15	4	-
Red paper.....	241	-	-
Other Vege.....	9	6	-
Root Crops.....	44	18	-
Onion.....	42	18	-
Other Root C...	2	1	-
Cotton	20	-	-
Permanet crops...	32	15	-
Fruit Crops.....	23	14	-
Bannas.....	2	1	-
Mangos.....	7	5	-
Papayas.....	3	-	-
Other Fruit....	12	8	-
Stimulant Crop..	8	1	-

TABLE 4.3.1.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Oromia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	26892	501	2542
Grains Crops....	19767	342	2526
Cereals.....	17181	50	874
Teff.....	176	1	47
Barley.....	87	-	50
Wheat.....	8991	1	671
Maize.....	7430	28	-
Sorghum.....	498	20	106
Pulse.....	1828	292	1123
Horse beans...	60	-	60
Field peas....	70	45	-
Haricot beans	25	6	-
Chick peas....	4	-	4
Soya.....	1664	241	1056
Other Pulse...	5	1	4
Oile seed.....	754	-	526
Linseed.....	39	-	39
Sesame.....	334	-	108
Rapeseed.....	379	-	379
Other Oile S..	2	-	-
Other Grain....	4	-	3
Vegetables.....	444	6	4
Tomatoes.....	97	3	3
Green pepper...	12	1	-
Red paper.....	100	-	1
Other.....	215	-	-
Other Vege.....	20	1	-
Root Crops.....	146	8	1
Onion.....	139	5	-
Other Root C...	7	3	1
Cotton	67	-	-
Permanet crops...	6468	145	11
Fruit Crops.....	16	7	-
Bannas.....	4	4	-
Mangos.....	1	-	-
Other	1	1	-
Other Fruit....	11	3	-
Stimulant Crop..	4573	131	11
Chat.....	7	7	-
Coffee.....	4565	123	11
Other Permanent.	1879	7	-
Sugar Cane.....	1014	2	-
Cotton	67	-	-
Tea	860	-	-
Other Perm.....	5	5	-

TABLE 4.3.1.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Somale

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	104	103	-
Grains Crops....	62	62	-
Cereals.....	58	58	-
Maize.....	32	32	-
Sorghum.....	26	26	-
Oile seed.....	4	4	-
Vegetables.....	12	12	-
Other Vege.....	12	12	-
Root Crops.....	6	6	-
Other Root C...	6	6	-
Permanet crops...	24	24	-
Fruit Crops.....	21	21	-
Guava(Zeytuna).	6	6	-
Mangos.....	4	4	-
Other	6	6	-
Other Fruit....	5	5	-
Stimulant Crop..	3	3	-

TABLE 4.3.1.5F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Benshangul-Gumuz

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	1230	-	468
Grains Crops....	994	-	468
Cereals.....	579	-	53
Maize.....	526	-	-
Sorghum.....	53	-	53
Pulse.....	415	-	415
Haricot beans.	4	-	4
Soya.....	411	-	411
Vegetables.....	3	-	-
Red paper.....	3	-	-
Cotton	230	-	-
Permanet crops...	3	-	-
Fruit Crops.....	3	-	-

TABLE 4.3.1.6F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BOTH SEASONS

(S.N.N.P.R)

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	2339	228	404
Grains Crops....	1204	33	228
Cereals.....	1131	-	227
Teff.....	10	-	10
Wheat.....	571	-	200
Maize.....	499	-	16
Sorghum.....	50	-	-
Other Cereal..	1	-	1
Pulse.....	56	25	-
Chick peas....	55	25	-
Other Pulse...	1	-	-
Oile seed.....	10	-	-
Nueg.....	10	-	-
Other Grain....	7	7	-
Vegetables.....	153	8	11
Tomatoes.....	68	-	-
Red paper.....	82	8	11
Other Vege.....	2	-	-
Root Crops.....	7	-	3
Other Root C...	7	-	3
Permanet crops...	975	188	163
Fruit Crops.....	5	3	-
Avocado.....	2	-	-
Other Fruit....	3	3	-
Stimulant Crop..	652	177	163
Coffee.....	652	177	163
Other Permanent.	319	9	-
Tea	309	-	-
Other	10	9	-

TABLE 4.3.1.7F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Gambela

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	184	-	-
Cotton	100	-	-
Permanet crops...	84	-	-
Stimulant Crop..	84	-	-
Coffee.....	84	-	-

TABLE 4.3.1.8F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Addis Ababa

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	129	-	1
Grains Crops....	25	-	-
Cereals.....	23	-	-
Teff.....	19	-	-
Other Cereal..	4	-	-
Pulse.....	2	-	-
Other Pulse...	2	-	-
Vegetables.....	76	-	-
Lettuce.....	24	-	-
Kale.....	16	-	-
Swiss chard....	11	-	-
Other.....	12	-	-
Other Vege.....	13	-	-
Root Crops.....	28	-	1
Potatoes.....	10	-	1
Other Root C...	18	-	-

TABLE 4.3.1.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Ethiopia

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	1483	51612	3124
Grains Crops....	417	30627	1595
Cereals.....	195	28501	1024
Teff.....	31	125	15
Barley.....	3	37	2
Wheat.....	-	8370	378
Maize.....	132	19685	263
Sorghum.....	30	277	365
Other Cereal..	-	7	1
Pulse.....	-	1957	72
Field peas....	-	-	25
Haricot beans.	-	4	15
Chick peas....	-	-	30
Soya.....	-	1952	-
Other Pulse...	-	1	2
Oile seed.....	221	168	498
Nueg.....	-	10	-
Sesame.....	221	156	498
Other Oile S..	-	2	-
Other Grain....	-	1	1
Vegetables.....	150	756	9
Lettuce.....	24	-	-
Cabbage.....	-	3	1
Kale.....	15	1	-
Tomatoes.....	20	151	-
Green pepper...	-	12	1
Red paper.....	54	347	5
Swiss chard....	12	1	-
Other.....	12	215	-
Other Vege.....	14	26	3
Root Crops.....	40	15159	1
Onion.....	18	146	1
Potatoes.....	4	15005	-
Other Root C...	18	8	-
Cotton	-	402	15
Permanet crops...	876	4668	1504
Fruit Crops.....	7	19	4
Avocado.....	-	2	-
Bannas.....	-	1	1
Guava(Zeytuna).	-	1	-
Mangos.....	-	1	1
Papayas.....	-	2	2
Other	-	1	-
Other Fruit....	7	12	1
Stimulant Crop..	-	4504	331
Coffee.....	-	4497	331
Other Stimulant	-	8	-
Other Permanent.	869	145	15
Sugar Cane.....	868	145	-
Tea	-	-	1169
Other	1	-	-

TABLE 4.3.1.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Tigray
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	160	20030	760
Grains Crops....	151	5014	759
Cereals.....	-	5013	261
Teff.....	-	2	15
Barley.....	-	1	1
Wheat.....	-	4	3
Maize.....	-	5006	1
Sorghum.....	-	-	240
Other Cereal..	-	1	1
Pulse.....	-	1	-
Other Pulse...	-	1	-
Oile seed.....	151	-	498
Sesame.....	151	-	498
Vegetables.....	2	9	2
Lettuce.....	-	-	-
Cabbage.....	-	3	1
Green pepper...	-	1	-
Swiss chard....	-	1	-
Other Vege.....	2	4	1
Root Crops.....	2	15004	-
Onion.....	2	4	-
Potatoes.....	-	15000	-
Permanet crops...	4	3	-
Fruit Crops.....	4	3	-

TABLE 4.3.1.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Amhara
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	83	8541	15
Grains Crops....	53	8258	11
Cereals.....	53	6674	10
Teff.....	1	6	-
Barley.....	2	2	-
Wheat.....	-	53	-
Maize.....	51	6612	-
Sorghum.....	-	-	10
Other Cereal..	-	3	-
Pulse.....	-	1584	-
Soya.....	-	1584	-
Other Grain....	-	-	1
Vegetables.....	14	242	-
Tomatoes.....	10	2	-
Red paper.....	2	239	-
Other Vege.....	2	1	-
Root Crops.....	16	8	1
Onion.....	16	8	1
Other Root C...	1	1	-
Cotton	-	20	-
Permanet crops...	-	13	3
Fruit Crops.....	-	6	3
Bannas.....	-	1	1
Mangos.....	-	1	-
Papayas.....	-	2	2
Other Fruit....	-	3	1
Stimulant Crop..	-	7	-

TABLE 4.3.1.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Oromia

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	1056	21428	1366
Grains Crops....	133	16301	464
Cereals.....	63	15770	424
Teff.....	30	98	-
Barley.....	1	35	1
Wheat.....	-	8103	216
Maize.....	2	7267	133
Sorghum.....	30	267	75
Pulse.....	-	372	40
Field peas....	-	-	25
Haricot beans.	-	4	15
Soya.....	-	368	-
Fenugreek.....	-	-	-
Gibto.....	-	-	-
Other Pulse...	-	1	-
Oile seed.....	70	158	-
Sesame.....	70	156	-
Other Oile S..	-	2	-
Other Grain....	-	1	-
Vegetables.....	55	373	7
Kale.....	-	-	-
Tomatoes.....	10	81	-
Green pepper...	-	11	-
Red paper.....	44	50	5
Other.....	-	215	-
Other Vege.....	1	16	2
Root Crops.....	-	137	-
Onion.....	-	134	-
Other Root C...	-	3	-
Cotton	-	52	15
Permanet crops...	868	4565	880
Fruit Crops.....	-	8	1
Mangos.....	-	-	1
Other Fruit....	-	8	-
Stimulant Crop..	-	4412	20
Coffee.....	-	4412	20
Other Permanent.	868	145	860
Sugar Cane.....	868	145	-
Tea	-	-	860

TABLE 4.3.1.6FTOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Benshangul-Gumuz

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	3	751	8
Grains Crops....	-	518	8
Cereals.....	-	518	8
Maize.....	-	518	8
Vegetables.....	-	3	-
Red paper.....	-	3	-
Cotton	-	230	-

TABLE 4.3.1.7F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BOTH SEASONS

(S.N.N.P.R)

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	90	644	973
Grains Crops....	79	513	352
Cereals.....	79	503	322
Wheat.....	-	211	160
Maize.....	79	283	122
Sorghum.....	-	10	40
Pulse.....	-	-	30
Chick peas....	-	-	30
Oile seed.....	-	10	-
Nueg.....	-	10	-
Other Grain....	-	-	-
Vegetables.....	8	125	1
Tomatoes.....	-	68	-
Red paper.....	8	55	-
Swiss chard....	-	-	-
Other.....	-	-	-
Other Vege.....	-	2	-
Root Crops.....	2	2	-
Other Root C...	2	2	-
Permanet crops...	1	4	621
Fruit Crops.....	-	2	-
Avocado.....	-	2	-
Stimulant Crop..	-	2	312
Chat.....	-	-	-
Coffee.....	-	2	312
Other Stimulant	-	-	-
Other Permanent.	1	-	309
Tea	-	-	309

TABLE 4.3.1.8F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Gambela

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	-	184	-
Cotton	-	100	-
Permanet crops...	-	84	-
Stimulant Crop..	-	84	-
Chat.....	-	-	-
Coffee.....	-	84	-

TABLE 4.3.1.9F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Addis Ababa

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	91	35	2
Grains Crops....	-	23	2
Cereals.....	-	23	-
Teff.....	-	19	-
Other Cereal..	-	4	-
Other Grain....	-	-	-
Vegetables.....	72	5	-
Lettuce.....	24	-	-
Kale.....	15	1	-
Swiss chard....	11	-	-
Other.....	12	-	-
Other Vege.....	9	3	-
Root Crops.....	19	8	-
Potatoes.....	4	5	-
Other Root C...	15	3	-

TABLE 1.3.1.1D. TOTAL DAMAGED CROPLAND AREA BY CAUSES AND REGION DAMAGE FOR LARGE AND MEDIUM SCALE FARMS 2001/02(1994 E.C.), BOTH SEASON. COMMERCIAL FARMS

TYPE OF CROP DAMAGE	Total damaged crop land area in hectares									
		REGIONS								
	Country Level Total	Tigray	Afar	Amhara	Oromiya	Somale	Bensh-Gum	SNNPR	Gambela	Addis A.
Total	51569	45972	644	2074	1748	10	724	377	1	19
Percent	100.00	89.15	1.25	4.02	3.39	0.02	1.40	0.73	0.00	0.04
Crop Disease.....	78	28	-	14	8	-	11	16	-	-
Percent	0.15	35.90	-	17.95	10.26	-	14.10	20.51	-	-
Frost of Flood.....	6126	4492	236	440	689	-	205	53	1	9
Percent	11.88	73.33	3.85	7.18	11.25	-	3.35	0.87	0.02	0.15
Locust.....	1737	1293	106	167	171	-	-	1	-	-
Percent	3.37	74.44	6.10	9.61	9.84	-	-	0.06	-	-
Shortage of Rain....	983	98	-	662	195	-	5	22	-	1
Percent	1.91	9.97	-	67.34	19.84	-	0.51	2.24	-	0.10
Too Much Rain.....	12979	12275	-	23	324	-	357	-	-	-
Percent	25.17	94.58	-	0.18	2.50	-	2.75	-	-	-
Wild Animals.....	1	1	-	-	-	-	-	-	-	-
Percent	0.00	100.00								
Birds.....	2126	1275	282	180	158	-	138	84	-	9
Percent	4.12	59.97	13.26	8.47	7.43	-	6.49	3.95	-	0.42
Snow.....	1	-	-	1	-	-	-	-	-	-
Percent	0.00			100						
Pests and Insects...	27538	26510	20	587	203	10	8	201	-	-
Percent	53.40	96.27	0.07	2.13	0.74	0.04	0.03	0.73	-	-

TABLE 4.3.2.1 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), MEHER SEASON.

Ethiopia — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	188720	48376	100	10300	100	96169	100	68631	100
Grains Crops....	136996	33409	69.06	1176	11.42	65915	68.54	44872	65.38
Cereals.....	92755	30834	63.74	1144	11.11	58886	61.23	30511	44.46
Teff.....	791	255	0.53	87	0.84	433	0.45	546	0.8
Barley.....	123	34	0.07	4	0.04	92	0.1	86	0.13
Wheat.....	19847	14063	29.07	7	0.07	19645	20.43	9669	14.09
Maize.....	37997	14724	30.44	536	5.2	37553	39.05	11819	17.22
Sorghum.....	33728	1677	3.47	428	4.16	1000	1.04	8300	12.09
Millet.....	13	-	-	-	-	-	-	10	0.01
Oats.....	-	-	-	-	-	-	-	-	-
Rice.....	235	80	0.17	80	0.78	155	0.16	80	0.12
Other Cereal..	22	2	-	2	0.02	8	0.01	1	-
Pulse.....	5364	1161	2.4	12	0.12	4337	4.51	1797	2.62
Horse beans...	62	60	0.12	-	-	60	0.06	61	0.09
Field peas....	110	-	-	-	-	70	0.07	-	-
Haricot beans.	319	115	0.24	5	0.05	29	0.03	19	0.03
Chick peas....	323	83	0.17	-	-	70	0.07	172	0.25
Lentiles.....	-	-	-	-	-	-	-	-	-
Vetch.....	-	-	-	-	-	-	-	-	-
Soya.....	4492	901	1.86	4	0.04	4095	4.26	1536	2.24
Fenugreek.....	-	-	-	-	-	-	-	-	-
Gibto.....	-	-	-	-	-	-	-	-	-
Other Pulse...	58	1	-	4	0.04	13	0.01	10	0.01
Oile seed.....	37491	1400	2.89	6	0.06	1429	1.49	12519	18.24
Nueg.....	916	-	-	-	-	10	0.01	-	-
Linseed.....	53	-	-	-	-	39	0.04	32	0.05
Ground nuts...	28	-	-	-	-	-	-	-	-
Sesame.....	36094	1016	2.1	-	-	996	1.04	12158	17.72
Rapeseed.....	379	379	0.78	-	-	379	0.39	329	0.48
Other Oile S..	20	5	0.01	6	0.06	6	0.01	-	-
Other Grain....	1386	14	0.03	14	0.14	1263	1.31	45	0.07
Vegetables.....	10933	435	0.9	573	5.56	10826	11.26	351	0.51
Lettuce.....	12	-	-	12	0.12	12	0.01	12	0.02
Cabbage.....	5003	3	0.01	3	0.03	5003	5.2	3	-
Tomatoes.....	112	96	0.2	106	1.03	102	0.11	109	0.16
Green pepper...	13	13	0.03	13	0.13	13	0.01	-	-
Red paper.....	508	96	0.2	156	1.51	426	0.44	159	0.23
Swiss chard....	5013	2	-	13	0.13	5012	5.21	11	0.02
Other.....	212	207	0.43	212	2.06	212	0.22	34	0.05
Other Vege.....	59	18	0.04	57	0.55	45	0.05	24	0.03
Root Crops.....	10185	103	0.21	170	1.65	10150	10.55	114	0.17
Onion.....	129	97	0.2	120	1.17	109	0.11	92	0.13
Potatoes.....	10015	-	-	15	0.15	10010	10.41	4	0.01
Other Root C...	39	5	0.01	33	0.32	30	0.03	18	0.03
Cotton	14514	3539	7.32	4091	39.72	417	0.43	13526	19.71
Permanet crops...	16092	10890	22.51	4290	41.65	8861	9.22	9768	14.23
Fruit Crops.....	1610	151	0.31	273	2.65	1341	1.39	62	0.09
Avocado.....	40	15	0.03	5	0.05	2	-	-	-
Bannas.....	41	6	0.01	26	0.25	6	0.01	5	0.01
Guava(Zeytuna).	1285	7	0.01	35	0.34	1261	1.31	-	-
Mangos.....	87	57	0.12	71	0.69	11	0.01	12	0.02
Papayas.....	41	12	0.02	41	0.4	3	-	15	0.02
Other	15	6	0.01	12	0.12	8	0.01	1	-
Other Fruit....	101	50	0.1	83	0.81	50	0.05	29	0.04
Stimulant Crop..	10963	8978	18.56	1717	16.67	5321	5.53	6272	9.14
Chat.....	19	1	-	9	0.09	7	0.01	2	-
Coffee.....	10904	8969	18.54	1685	16.36	5301	5.51	6269	9.13
Other Stimulant	40	9	0.02	23	0.22	13	0.01	2	-
Other Permanent.	3519	1761	3.64	2300	22.33	2199	2.29	3434	5
Sugar Cane.....	1077	504	1.04	1045	10.15	1015	1.06	1012	1.47
Tea	2418	1249	2.58	1249	12.13	1169	1.22	2418	3.52
Other	18	8	0.02	1	0.01	11	0.01	4	0.01
Other Perm.....	7	-	-	6	0.06	5	0.01	-	-

TABLE 4.3.2.2 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), MEHER SEASON.

Tigray — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	127015	12650	100	133	100	56087	100	27887	100
Grains Crops....	97007	11722	92.66	41	30.83	34753	61.96	19248	69.02
Cereals.....	62454	10862	85.87	39	29.32	32833	58.54	7338	26.31
Teff.....	111	10	0.08	1	0.75	39	0.07	30	0.11
Barley.....	22	1	0.01	1	0.75	2	-	1	-
Wheat.....	10009	10006	79.1	7	5.26	10007	17.84	-	-
Maize.....	22545	6	0.05	5	3.76	22524	40.16	3	0.01
Sorghum.....	29767	840	6.64	25	18.8	261	0.47	7304	26.19
Pulse.....	39	-	-	1	0.75	18	0.03	18	0.06
Chick peas....	27	-	-	-	-	11	0.02	14	0.05
Other Pulse...	12	-	-	1	0.75	7	0.01	4	0.01
Oile seed.....	33262	860	6.8	-	-	651	1.16	11892	42.64
Sesame.....	33262	860	6.8	-	-	651	1.16	11892	42.64
Other Grain....	1252	-	-	1	0.75	1251	2.23	-	-
Vegetables.....	10026	22	0.17	25	18.8	10023	17.87	6	0.02
Cabbage.....	5003	3	0.02	3	2.26	5003	8.92	3	0.01
Green pepper...	13	13	0.1	13	9.77	13	0.02	-	-
Swiss chard....	5002	1	0.01	2	1.5	5001	8.92	1	-
Other Vege.....	8	5	0.04	7	5.26	5	0.01	2	0.01
Root Crops.....	10038	35	0.28	38	28.57	10036	17.89	4	0.01
Onion.....	37	35	0.28	37	27.82	35	0.06	4	0.01
Potatoes.....	10000	-	-	-	-	10000	17.83	-	-
Cotton	8665	850	6.72	-	-	-	-	8620	30.91
Permanet crops...	1279	21	0.17	29	21.8	1275	2.27	9	0.03
Fruit Crops.....	1276	19	0.15	26	19.55	1273	2.27	9	0.03
Guava(Zeytuna).	1255	4	0.03	5	3.76	1254	2.24	-	-
Other	1	1	0.01	1	0.75	1	-	-	-
Other Fruit....	19	14	0.11	19	14.29	17	0.03	9	0.03
Stimulant Crop..	2	1	0.01	2	1.5	1	-	-	-
Other Stimulant	2	1	0.01	2	1.5	1	-	-	-
Other Permanent.	1	1	0.01	1	0.75	1	-	-	-

TABLE 4.3.2.3 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), MEHER SEASON.

Afar — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	4532	2053	100	4532	100	-	-	4443	100
Grains Crops....	426	388	18.9	426	9.4	-	-	386	8.69
Cereals.....	424	386	18.8	424	9.36	-	-	386	8.69
Maize.....	38	-	-	38	0.84	-	-	-	-
Sorghum.....	386	386	18.8	386	8.52	-	-	386	8.69
Oile seed.....	2	2	0.1	2	0.04	-	-	-	-
Other Oile S..	2	2	0.1	2	0.04	-	-	-	-
Cotton	4091	1665	81.1	4091	90.27	-	-	4057	91.31
Permanet crops...	15	-	-	15	0.33	-	-	-	-
Fruit Crops.....	14	-	-	14	0.31	-	-	-	-
Other	2	-	-	2	0.04	-	-	-	-
Other Fruit....	12	-	-	12	0.26	-	-	-	-
Stimulant Crop..	1	-	-	1	0.02	-	-	-	-
Other Stimulant	1	-	-	1	0.02	-	-	-	-

TABLE 4.3.2.4 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), MEHER SEASON.

Amhara — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	14517	7799	100	427	100	9524	100	8631	100
Grains Crops....	13011	7105	91.1	141	33.02	9220	96.81	8350	96.74
Cereals.....	9366	7047	90.36	135	31.62	7189	75.48	6990	80.99
Teff.....	290	224	2.87	6	1.41	190	1.99	239	2.77
Barley.....	14	2	0.03	-	-	3	0.03	-	-
Wheat.....	89	47	0.6	-	-	78	0.82	15	0.17
Maize.....	6763	6675	85.59	48	11.24	6649	69.81	6207	71.92
Sorghum.....	1973	20	0.26	1	0.23	112	1.18	449	5.2
Rice.....	235	80	1.03	80	18.74	155	1.63	80	0.93
Other Cereal..	3	-	-	-	-	3	0.03	-	-
Pulse.....	2203	54	0.69	-	-	2020	21.21	1119	12.96
Haricot beans.	11	-	-	-	-	-	-	-	-
Chick peas....	113	53	0.68	-	-	-	-	54	0.63
Soya.....	2069	1	0.01	-	-	2019	21.2	1065	12.34
Other Pulse...	10	-	-	-	-	-	-	-	-
Oile seed.....	1432	-	-	-	-	10	0.1	233	2.7
Nueg.....	88	-	-	-	-	-	-	-	-
Sesame.....	1344	-	-	-	-	10	0.1	233	2.7
Other Grain....	10	4	0.05	6	1.41	1	0.01	8	0.09
Vegetables.....	256	17	0.22	159	37.24	244	2.56	17	0.2
Tomatoes.....	12	11	0.14	6	1.41	2	0.02	9	0.1
Red paper.....	242	5	0.06	151	35.36	241	2.53	6	0.07
Other Vege.....	2	1	0.01	2	0.47	1	0.01	2	0.02
Root Crops.....	26	20	0.26	17	3.98	9	0.09	23	0.27
Onion.....	23	20	0.26	15	3.51	8	0.08	21	0.24
Other Root C...	2	-	-	2	0.47	1	0.01	1	0.01
Cotton	1111	622	7.98	-	-	20	0.21	202	2.34
Permanet crops...	113	35	0.44	110	25.76	31	0.33	39	0.45
Fruit Crops.....	71	34	0.44	69	16.16	23	0.24	39	0.45
Bannas.....	14	1	0.01	11	2.58	2	0.02	5	0.06
Mangos.....	13	8	0.1	13	3.04	7	0.07	8	0.09
Papayas.....	23	11	0.14	23	5.39	3	0.03	15	0.17
Other	2	1	0.01	2	0.47	-	-	1	0.01
Other Fruit....	19	13	0.17	19	4.45	12	0.13	11	0.13
Stimulant Crop..	10	1	0.01	9	2.11	8	0.08	-	-
Other Stimulant	10	1	0.01	9	2.11	8	0.08	-	-
Other Permanent.	32	-	-	32	7.49	-	-	-	-
Sugar Cane.....	32	-	-	32	7.49	-	-	-	-
Cotton	1111	622	7.98	-	-	20	0.21	202	2.34

TABLE 4.3.2.4 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), MEHER SEASON.

Oromia

IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	31338	19589	100	3181	100	26649	100	21871	100
Grains Crops....	21473	12712	64.89	481	15.12	19690	73.89	15250	69.73
Cereals.....	17718	11292	57.64	472	14.84	17105	64.19	14506	66.33
Teff.....	279	6	0.03	80	2.51	176	0.66	251	1.15
Barley.....	88	32	0.16	3	0.09	87	0.33	86	0.39
Wheat.....	9032	3831	19.56	-	-	8991	33.74	8944	40.89
Maize.....	7466	7124	36.37	389	12.23	7354	27.6	5134	23.47
Sorghum.....	853	299	1.53	-	-	498	1.87	92	0.42
Other Cereal..	1	-	-	-	-	-	-	-	-
Pulse.....	2158	955	4.88	8	0.25	1827	6.86	346	1.58
Horse beans...	62	60	0.31	-	-	60	0.23	61	0.28
Field peas....	110	-	-	-	-	70	0.26	-	-
Haricot beans.	171	20	0.1	4	0.13	25	0.09	4	0.02
Chick peas....	28	-	-	-	-	4	0.02	-	-
Soya.....	1776	875	4.47	4	0.13	1664	6.24	282	1.29
Other Pulse...	11	-	-	-	-	5	0.02	-	-
Oile seed.....	1550	461	2.35	-	-	754	2.83	361	1.65
Nueg.....	256	-	-	-	-	-	-	-	-
Linseed.....	53	-	-	-	-	39	0.15	32	0.15
Sesame.....	856	82	0.42	-	-	334	1.25	-	-
Rapeseed.....	379	379	1.93	-	-	379	1.42	329	1.5
Other Oile S..	6	-	-	-	-	2	0.01	-	-
Other Grain....	47	4	0.02	1	0.03	4	0.02	37	0.17
Vegetables.....	404	307	1.57	262	8.24	352	1.32	192	0.88
Tomatoes.....	32	17	0.09	32	1.01	32	0.12	32	0.15
Red paper.....	146	71	0.36	5	0.16	100	0.38	114	0.52
Other.....	207	207	1.06	207	6.51	207	0.78	29	0.13
Other Vege.....	19	12	0.06	18	0.57	13	0.05	17	0.08
Root Crops.....	74	45	0.23	73	2.29	72	0.27	69	0.32
Onion.....	69	43	0.22	69	2.17	67	0.25	66	0.3
Other Root C...	5	3	0.02	4	0.13	5	0.02	3	0.01
Cotton	67	52	0.27	-	-	67	0.25	67	0.31
Permanet crops...	9320	6473	33.04	2365	74.35	6468	24.27	6293	28.77
Fruit Crops.....	62	26	0.13	25	0.79	16	0.06	11	0.05
Avocado.....	18	4	0.02	-	-	-	-	-	-
Bannas.....	16	4	0.02	4	0.13	4	0.02	-	-
Mangos.....	11	4	0.02	8	0.25	1	-	3	0.01
Other	1	1	0.01	1	0.03	1	-	-	-
Other Fruit....	16	13	0.07	12	0.38	11	0.04	9	0.04
Stimulant Crop..	7348	5943	30.34	1322	41.56	4573	17.16	4410	20.16
Chat.....	19	1	0.01	9	0.28	7	0.03	2	0.01
Coffee.....	7327	5943	30.34	1312	41.24	4565	17.13	4408	20.15
Other Stimulant	2	-	-	2	0.06	-	-	-	-
Other Permanent.	1910	504	2.57	1018	32	1879	7.05	1872	8.56
Sugar Cane.....	1045	504	2.57	1013	31.85	1014	3.81	1012	4.63
Tea	860	-	-	-	-	860	3.23	860	3.93
Other Perm.....	5	-	-	5	0.16	5	0.02	-	-

TABLE 4.3.2.5 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), MEHER SEASON.

Somale — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	236	62	100	189	100	74	100	-	-
Grains Crops....	81	6	9.68	38	20.11	32	43.24	-	-
Cereals.....	74	5	8.06	32	16.93	28	37.84	-	-
Maize.....	17	2	3.23	14	7.41	2	2.7	-	-
Sorghum.....	54	2	3.23	16	8.47	26	35.14	-	-
Other Cereal..	4	2	3.23	2	1.06	-	-	-	-
Pulse.....	3	1	1.61	2	1.06	-	-	-	-
Other Pulse...	3	1	1.61	2	1.06	-	-	-	-
Oile seed.....	4	-	-	4	2.12	4	5.41	-	-
Other Oile S..	4	-	-	4	2.12	4	5.41	-	-
Vegetables.....	16	-	-	16	8.47	12	16.22	-	-
Other Vege.....	16	-	-	16	8.47	12	16.22	-	-
Root Crops.....	12	-	-	12	6.35	6	8.11	-	-
Other Root C...	12	-	-	12	6.35	6	8.11	-	-
Permanet crops...	127	56	90.32	123	65.08	24	32.43	-	-
Fruit Crops.....	114	50	80.65	114	60.32	21	28.38	-	-
Guava(Zeytuna).	29	3	4.84	29	15.34	6	8.11	-	-
Mangos.....	50	45	72.58	50	26.46	4	5.41	-	-
Papayas.....	18	1	1.61	18	9.52	-	-	-	-
Other	6	-	-	6	3.17	6	8.11	-	-
Other Fruit....	11	1	1.61	11	5.82	5	6.76	-	-
Stimulant Crop..	13	6	9.68	9	4.76	3	4.05	-	-
Other Stimulant	13	6	9.68	9	4.76	3	4.05	-	-

TABLE 4.3.2.6 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), MEHER SEASON.

Benshangul-Gumuz — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	3213	496	100	2	100	1230	100	658	100
Grains Crops....	2919	474	95.56	-	-	994	80.81	424	64.44
Cereals.....	1088	375	75.6	-	-	579	47.07	202	30.7
Teff.....	11	-	-	-	-	-	-	-	-
Maize.....	545	375	75.6	-	-	526	42.76	172	26.14
Sorghum.....	528	-	-	-	-	53	4.31	30	4.56
Other Cereal..	3	-	-	-	-	-	-	-	-
Pulse.....	661	25	5.04	-	-	415	33.74	189	28.72
Haricot beans.	13	-	-	-	-	4	0.33	-	-
Soya.....	647	25	5.04	-	-	411	33.41	189	28.72
Other Pulse...	1	-	-	-	-	-	-	-	-
Oile seed.....	1170	74	14.92	-	-	-	-	33	5.02
Nueg.....	511	-	-	-	-	-	-	-	-
Ground nuts...	28	-	-	-	-	-	-	-	-
Sesame.....	631	74	14.92	-	-	-	-	33	5.02
Vegetables.....	31	20	4.03	-	-	3	0.24	-	-
Red paper.....	31	20	4.03	-	-	3	0.24	-	-
Cotton	230	-	-	-	-	230	18.7	230	34.95
Permanet crops...	33	2	0.4	2	100	3	0.24	4	0.61
Fruit Crops.....	23	-	-	1	50	3	0.24	2	0.3
Mangos.....	12	-	-	-	-	-	-	2	0.3
Other Fruit....	11	-	-	1	50	3	0.24	-	-
Stimulant Crop..	9	2	0.4	1	50	-	-	2	0.3
Other Stimulant	9	2	0.4	1	50	-	-	2	0.3
Other Permanent.	1	-	-	-	-	-	-	-	-

TABLE 4.3.2.7 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), MEHER SEASON.

(S.N.N.P.R) IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	7254	5229	100	1767	100	2334	100	4657	100
Grains Crops....	2032	1001	19.14	50	2.83	1202	51.5	1208	25.94
Cereals.....	1603	867	16.58	43	2.43	1130	48.41	1089	23.38
Teff.....	81	15	0.29	-	-	10	0.43	25	0.54
Wheat.....	718	180	3.44	-	-	571	24.46	710	15.25
Maize.....	623	542	10.37	43	2.43	498	21.34	303	6.51
Sorghum.....	167	130	2.49	-	-	50	2.14	40	0.86
Millet.....	13	-	-	-	-	-	-	10	0.21
Other Cereal..	1	-	-	-	-	1	0.04	1	0.02
Pulse.....	285	125	2.39	1	0.06	55	2.36	119	2.56
Haricot beans.	124	95	1.82	1	0.06	-	-	15	0.32
Chick peas....	155	30	0.57	-	-	55	2.36	104	2.23
Other Pulse...	6	-	-	-	-	-	-	-	-
Oile seed.....	70	3	0.06	-	-	10	0.43	-	-
Nueg.....	62	-	-	-	-	10	0.43	-	-
Other Oile S..	8	3	0.06	-	-	-	-	-	-
Other Grain....	74	6	0.11	6	0.34	7	0.3	-	-
Vegetables.....	159	69	1.32	71	4.02	152	6.51	106	2.28
Tomatoes.....	69	69	1.32	69	3.9	68	2.91	68	1.46
Red paper.....	89	-	-	-	-	82	3.51	38	0.82
Other Vege.....	2	-	-	2	0.11	2	0.09	-	-
Root Crops.....	5	1	0.02	-	-	4	0.17	4	0.09
Other Root C...	5	1	0.02	-	-	4	0.17	4	0.09
Permanet crops...	5058	4158	79.52	1646	93.15	976	41.82	3339	71.7
Fruit Crops.....	46	19	0.36	24	1.36	5	0.21	-	-
Avocado.....	22	11	0.21	5	0.28	2	0.09	-	-
Bannas.....	11	-	-	10	0.57	-	-	-	-
Other Fruit....	13	9	0.17	9	0.51	3	0.13	-	-
Stimulant Crop..	3437	2883	55.13	373	21.11	652	27.93	1777	38.16
Coffee.....	3433	2883	55.13	373	21.11	652	27.93	1777	38.16
Other Stimulant	5	-	-	-	-	-	-	-	-
Other Permanent.	1575	1256	24.02	1249	70.68	319	13.67	1562	33.54
Tea	1558	1249	23.89	1249	70.68	309	13.24	1558	33.46
Other	17	7	0.13	-	-	10	0.43	4	0.09

TABLE 4.3.2.8 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), MEHER SEASON.

Gambela IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	506	497	100	1	100	184	100	434	100
Grains Crops....	8	-	-	-	-	-	-	-	-
Cereals.....	6	-	-	-	-	-	-	-	-
Other Cereal..	6	-	-	-	-	-	-	-	-
Other Grain....	2	-	-	-	-	-	-	-	-
Vegetables.....	1	-	-	1	100	-	-	-	-
Other Vege.....	1	-	-	1	100	-	-	-	-
Cotton	350	350	70.42	-	-	100	54.35	350	80.65
Permanet crops...	147	147	29.58	-	-	84	45.65	84	19.35
Fruit Crops.....	3	3	0.6	-	-	-	-	-	-
Other	3	3	0.6	-	-	-	-	-	-
Stimulant Crop..	144	144	28.97	-	-	84	45.65	84	19.35
Coffee.....	144	144	28.97	-	-	84	45.65	84	19.35

TABLE 4.3.2.9 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), MEHER SEASON.

Addis Ababa — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	Improved seed applied %	Irrigated Area	Irrigated %	Fertilizer Applied Area	Fertilizer Applied %	Pesticide Applied Area	Pesticide Applied %
TOTAL.....	109	3	100	71	100	89	100	51	100
Grains Crops....	38	-	-	-	-	25	28.09	7	13.73
Cereals.....	23	-	-	-	-	23	25.84	1	1.96
Teff.....	19	-	-	-	-	19	21.35	1	1.96
Other Cereal..	4	-	-	-	-	4	4.49	-	-
Pulse.....	15	-	-	-	-	2	2.25	6	11.76
Other Pulse...	15	-	-	-	-	2	2.25	6	11.76
Vegetables.....	40	1	33.33	40	56.34	40	44.94	30	58.82
Lettuce.....	12	-	-	12	16.9	12	13.48	12	23.53
Swiss chard....	11	1	33.33	11	15.49	11	12.36	10	19.61
Other.....	5	-	-	5	7.04	5	5.62	5	9.8
Other Vege.....	11	-	-	11	15.49	11	12.36	3	5.88
Root Crops.....	30	2	66.67	30	42.25	24	26.97	14	27.45
Potatoes.....	15	-	-	15	21.13	10	11.24	4	7.84
Other Root C...	15	2	66.67	15	21.13	14	15.73	10	19.61
Permanet crops...	1	-	-	1	1.41	-	-	-	-
Other Permanent.	1	-	-	1	1.41	-	-	-	-

TABLE 4.3.2.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), MEHER SEASON.

Ethiopia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	96170	55981	4296
Grains Crops....	65916	34266	4105
Cereals.....	58886	32666	1593
Teff.....	433	23	240
Barley.....	92	1	50
Wheat.....	19645	10026	871
Maize.....	37553	22547	17
Sorghum.....	1000	69	259
Rice.....	155	-	155
Other Cereal..	8	-	1
Pulse.....	4337	335	1974
Horse beans...	60	-	60
Field peas....	70	45	-
Haricot beans.	29	6	4
Chick peas....	70	36	4
Soya.....	4095	241	1902
Other Pulse...	13	7	4
Oile seed.....	1429	7	536
Nueg.....	10	-	-
Linseed.....	39	-	39
Sesame.....	996	2	118
Rapeseed.....	379	-	379
Other Oile S..	6	4	-
Other Grain....	1263	1258	3
Vegetables.....	10826	10035	13
Lettuce.....	12	-	-
Cabbage.....	5003	5000	-
Tomatoes.....	102	-	1
Green pepper...	13	12	-
Red paper.....	426	8	12
Swiss chard....	5012	5000	-
Other.....	212	-	-
Other Vege.....	45	15	-
Root Crops.....	10150	10039	4
Onion.....	109	31	-
Potatoes.....	10010	10000	1
Other Root C...	30	8	3
Cotton	417	-	-
Permanet crops...	8861	1640	174
Fruit Crops.....	1341	1311	-
Avocado.....	2	-	-
Bannas.....	6	5	-
Guava(Zeytuna).	1261	1260	-
Mangos.....	11	9	-
Papayas.....	3	-	-
Other	8	7	-
Other Fruit....	30	30	-
Stimulant Crop..	5321	312	174
Chat.....	7	7	-
Coffee.....	5301	300	174
Other Stimulant	13	5	-
Other Permanent.	2199	17	-
Sugar Cane.....	1015	2	-
Tea	1169	-	-
Other	11	9	-
Other Perm.....	5	5	-

TABLE 4.3.2.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), MEHER SEASON.

Tigray

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	56087	55145	-
Grains Crops....	34753	33832	-
Cereals.....	32833	32561	-
Teff.....	39	21	-
Barley.....	2	1	-
Wheat.....	10007	10000	-
Maize.....	22524	22518	-
Sorghum.....	261	21	-
Pulse.....	18	17	-
Chick peas....	11	11	-
Other Pulse...	7	6	-
Oile seed.....	651	2	-
Sesame.....	651	2	-
Other Grain....	1251	1251	-
Vegetables.....	10023	10014	-
Cabbage.....	5003	5000	-
Green pepper...	13	12	-
Swiss chard....	5001	5000	-
Other Vege.....	5	1	-
Root Crops.....	10036	10031	-
Onion.....	35	31	-
Potatoes.....	10000	10000	-
Permanet crops...	1275	1268	-
Fruit Crops.....	1273	1266	-
Guava(Zeytuna).	1254	1254	-
Other	1	-	-
Other Fruit....	17	12	-
Stimulant Crop..	1	1	-
Other Stimulant	1	1	-
Other Permanent.	1	1	-
Other	1	1	-

TABLE 4.3.2.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), MEHER SEASON.

Amhara

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	9524	44	884
Grains Crops....	9219	28	884
Cereals.....	7189	27	439
Teff.....	190	1	183
Barley.....	3	-	-
Wheat.....	78	25	-
Maize.....	6649	-	1
Sorghum.....	112	2	100
Rice.....	155	-	155
Other Cereal..	3	-	-
Pulse.....	2020	-	435
Soya.....	2019	-	435
Oile seed.....	10	-	10
Sesame.....	10	-	10
Other Grain....	1	-	-
Vegetables.....	244	-	-
Tomatoes.....	2	-	-
Red paper.....	241	-	-
Other Vege.....	1	-	-
Root Crops.....	9	1	-
Onion.....	8	-	-
Other Root C...	1	1	-
Cotton	20	-	-
Permanet crops...	31	15	-
Fruit Crops.....	23	14	-
Bannas.....	2	1	-
Mangos.....	7	5	-
Papayas.....	3	-	-
Other Fruit....	12	8	-
Stimulant Crop..	8	1	-
Other Stimulant	8	1	-

TABLE 4.3.2.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), MEHER SEASON.

Oromia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	26650	491	2540
Grains Crops....	19691	342	2526
Cereals.....	17105	50	874
Teff.....	176	1	47
Barley.....	87	-	50
Wheat.....	8991	1	671
Maize.....	7354	28	-
Sorghum.....	498	20	106
Pulse.....	1827	292	1123
Horse beans...	60	-	60
Field peas....	70	45	-
Haricot beans.	25	6	-
Chick peas....	4	-	4
Soya.....	1664	241	1056
Other Pulse...	5	1	4
Oile seed.....	754	-	526
Linseed.....	39	-	39
Sesame.....	334	-	108
Rapeseed.....	379	-	379
Other Oile S..	2	-	-
Other Grain....	4	-	3
Vegetables.....	352	1	2
Tomatoes.....	32	-	1
Red paper.....	100	-	1
Other.....	207	-	-
Other Vege.....	13	1	-
Root Crops.....	72	2	1
Onion.....	67	1	-
Other Root C...	5	1	1
Cotton	67	-	-
Permanet crops...	6468	145	11
Fruit Crops.....	16	7	-
Bannas.....	4	4	-
Mangos.....	1	-	-
Other	1	1	-
Other Fruit....	11	3	-
Stimulant Crop..	4573	131	11
Chat.....	7	7	-
Coffee.....	4565	123	11
Other Permanent.	1879	7	-
Sugar Cane.....	1014	2	-
Tea	860	-	-
Other	5	5	-

TABLE 4.3.2.5F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), MEHER SEASON.

Somale

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	74	73	-
Grains Crops....	32	32	-
Cereals.....	28	28	-
Maize.....	2	2	-
Sorghum.....	26	26	-
Oile seed.....	4	4	-
Other Oile S..	4	4	-
Vegetables.....	12	12	-
Other Vege.....	12	12	-
Root Crops.....	6	6	-
Other Root C...	6	6	-
Permanet crops...	24	24	-
Fruit Crops.....	21	21	-
Guava(Zeytuna).	6	6	-
Mangos.....	4	4	-
Other	6	6	-
Other Fruit....	5	5	-
Stimulant Crop..	3	3	-
Other Stimulant	3	3	-

TABLE 4.3.2.6F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), MEHER SEASON.

Benshangul-Gumuz

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	1230	-	468
Grains Crops....	994	-	468
Cereals.....	579	-	53
Maize.....	526	-	-
Sorghum.....	53	-	53
Pulse.....	415	-	415
Haricot beans.	4	-	4
Soya.....	411	-	411
Vegetables.....	3	-	-
Red paper.....	3	-	-
Cotton	230	-	-
Permanet crops...	3	-	-
Fruit Crops.....	3	-	-

TABLE 4.3.2.7F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), MEHER SEASON.

(S.N.N.P.R)

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	2333	228	403
Grains Crops....	1202	32	228
Cereals.....	1130	-	227
Teff.....	10	-	10
Wheat.....	571	-	200
Maize.....	498	-	16
Sorghum.....	50	-	-
Other Cereal..	1	-	1
Pulse.....	55	25	-
Chick peas....	55	25	-
Oile seed.....	10	-	-
Nueg.....	10	-	-
Other Grain....	7	7	-
Vegetables.....	152	8	11
Tomatoes.....	68	-	-
Red paper.....	82	8	11
Other Vege.....	2	-	-
Root Crops.....	4	-	2
Other Root C...	4	-	2
Permanet crops...	975	188	163
Fruit Crops.....	5	3	-
Avocado.....	2	-	-
Other Fruit....	3	3	-
Stimulant Crop..	652	177	163
Coffee.....	652	177	163
Other Permanent.	319	9	-
Tea	309	-	-
Other	10	9	-

TABLE 4.3.2.8F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), MEHER SEASON.

Gambela

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	184	-	-
Cotton	100	-	-
Permanet crops...	84	-	-
Stimulant Crop..	84	-	-
Coffee.....	84	-	-

TABLE 4.3.2.9F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), MEHER SEASON.

Addis Ababa

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	89	-	1
Grains Crops....	25	-	-
Cereals.....	23	-	-
Teff.....	19	-	-
Other Cereal..	4	-	-
Pulse.....	2	-	-
Other Pulse...	2	-	-
Vegetables.....	40	-	-
Lettuce.....	12	-	-
Swiss chard....	11	-	-
Other.....	5	-	-
Other Vege.....	11	-	-
Root Crops.....	24	-	1
Potatoes.....	10	-	1
Other Root C...	14	-	-

TABLE 4.3.2.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), MEHER SEASON.

Ethiopia
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	1396	31388	3110
Grains Crops....	403	25559	1583
Cereals.....	181	23434	1012
Teff.....	31	125	15
Barley.....	3	37	2
Wheat.....	-	8370	378
Maize.....	118	14619	252
Sorghum.....	30	277	365
Other Cereal..	-	7	-
Pulse.....	-	1956	72
Field peas....	-	-	25
Haricot beans.	-	4	15
Chick peas....	-	-	30
Soya.....	-	1952	-
Other Pulse...	-	1	2
Oile seed.....	221	168	498
Nueg.....	-	10	-
Sesame.....	221	156	498
Other Oile S..	-	2	-
Other Grain....	-	1	1
Vegetables.....	99	671	8
Lettuce.....	12	-	-
Cabbage.....	-	3	-
Tomatoes.....	6	96	-
Green pepper...	-	-	-
Red paper.....	54	347	5
Swiss chard....	12	1	-
Other.....	5	207	-
Other Vege.....	12	17	2
Root Crops.....	19	87	1
Onion.....	3	74	1
Potatoes.....	4	5	-
Other Root C...	12	8	-
Cotton	-	402	15
Permanet crops...	876	4668	1504
Fruit Crops.....	7	19	4
Avocado.....	-	2	-
Bannas.....	-	1	1
Guava(Zeytuna).	-	1	-
Mangos.....	-	1	1
Oranges.....	-	-	-
Papayas.....	-	2	2
Other	-	1	-
Other Fruit....	7	12	1
Stimulant Crop..	-	4504	331
Coffee.....	-	4497	331
Other Stimulant	-	8	-
Other Permanent.	869	145	1169
Sugar Cane.....	868	145	-
Tea	-	-	1169
Other	1	-	-

TABLE 4.3.2.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), MEHER SEASON.

Tigray
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	159	26	758
Grains Crops....	151	13	757
Cereals.....	-	13	259
Teff.....	-	2	15
Barley.....	-	1	1
Wheat.....	-	4	3
Maize.....	-	6	1
Sorghum.....	-	-	240
Pulse.....	-	1	-
Other Pulse...	-	1	-
Oile seed.....	151	-	498
Sesame.....	151	-	498
Vegetables.....	2	6	1
Cabbage.....	-	3	-
Green pepper...	-	-	-
Swiss chard....	-	1	-
Other Vege.....	2	2	-
Root Crops.....	2	3	-
Onion.....	2	3	-
Permanet crops...	4	3	-
Fruit Crops.....	4	3	-
Guava(Zeytuna).	-	1	-
Other	-	1	-
Other Fruit....	4	2	-

TABLE 4.3.2.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), MEHER SEASON.

Amhara
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	44	8538	15
Grains Crops....	39	8258	11
Cereals.....	39	6674	10
Teff.....	1	6	-
Barley.....	2	2	-
Wheat.....	-	53	-
Maize.....	37	6612	-
Sorghum.....	-	-	10
Other Cereal..	-	3	-
Pulse.....	-	1584	-
Soya.....	-	1584	-
Other Grain....	-	-	1
Vegetables.....	3	241	-
Tomatoes.....	1	2	-
Red paper.....	2	239	-
Other Vege.....	1	-	-
Root Crops.....	2	6	1
Onion.....	1	5	1
Other Root C...	-	1	-
Cotton	-	20	-
Permanet crops...	-	13	3
Fruit Crops.....	-	6	3
Bannas.....	-	1	1
Mangos.....	-	1	-
Papayas.....	-	2	2
Other Fruit....	-	3	1
Stimulant Crop..	-	7	-
Other Stimulant	-	7	-

TABLE 4.3.2.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), MEHER SEASON.

Oromia
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	1051	21212	1357
Grains Crops....	133	16234	455
Cereals.....	63	15704	415
Teff.....	30	98	-
Barley.....	1	35	1
Wheat.....	-	8103	216
Maize.....	2	7201	124
Sorghum.....	30	267	75
Pulse.....	-	372	40
Field peas....	-	-	25
Haricot beans.	-	4	15
Soya.....	-	368	-
Oile seed.....	70	158	-
Sesame.....	70	156	-
Other Oile S..	-	2	-
Other Grain....	-	1	-
Vegetables.....	50	293	7
Tomatoes.....	5	27	-
Red paper.....	44	50	5
Other.....	-	207	-
Other Vege.....	1	9	2
Root Crops.....	-	69	-
Onion.....	-	66	-
Other Root C...	-	3	-
Cotton	-	52	15
Permanet crops...	868	4565	880
Fruit Crops.....	-	8	1
Mangos.....	-	-	1
Other Fruit....	-	8	-
Stimulant Crop..	-	4412	20
Chat.....	-	-	-
Coffee.....	-	4412	20
Other Permanent.	868	197	15
Sugar Cane.....	868	145	-
Cotton	-	52	15
Tea	-	-	860

TABLE 4.3.2.5F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), MEHER SEASON.

Benshangul-Gumuz

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	3	751	8
Grains Crops....	-	518	8
Cereals.....	-	518	8
Maize.....	-	518	8
Vegetables.....	-	3	-
Red paper.....	-	3	-
Cotton	-	230	-
Permanet crops...	3	-	-
Fruit Crops.....	3	-	-
Other Fruit....	3	-	-

TABLE 4.3.2.6F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), MEHER SEASON.

(S.N.N.P.R)

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	88	644	971
Grains Crops....	79	513	350
Cereals.....	79	503	320
Wheat.....	-	211	160
Maize.....	79	283	120
Sorghum.....	-	10	40
Pulse.....	-	-	30
Chick peas....	-	-	30
Oile seed.....	-	10	-
Nueg.....	-	10	-
Vegetables.....	8	125	-
Tomatoes.....	-	68	-
Red paper.....	8	55	-
Other Vege.....	-	2	-
Root Crops.....	-	2	-
Other Root C...	-	2	-
Permanet crops...	1	4	621
Fruit Crops.....	-	2	-
Avocado.....	-	2	-
Stimulant Crop..	-	2	312
Coffee.....	-	2	312
Other Permanent.	1	-	309

TABLE 4.3.2.7F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), MEHER SEASON.

Gambela

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	-	184	-
Cotton	-	100	-
Permanet crops...	-	84	-
Stimulant Crop..	-	84	-
Coffee.....	-	84	-

TABLE 4.3.2.8F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), MEHER SEASON.

Addis Ababa

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	52	34	2
Grains Crops....	-	23	2
Cereals.....	-	23	-
Teff.....	-	19	-
Other Cereal..	-	4	-
Pulse.....	-	-	2
Other Pulse...	-	-	2
Other Grain....	-	-	-
Vegetables.....	36	4	-
Lettuce.....	12	-	-
Swiss chard....	11	-	-
Other.....	5	-	-
Other Vege.....	8	3	-
Root Crops.....	16	8	-
Potatoes.....	4	5	-
Other Root C...	12	3	-

TABLE 1.3.2.1D. TOTAL DAMAGED CROPLAND AREA BY CAUSES AND REGION DAMAGE FOR LARGE AND MEDIUM SCALE FARM 2001/02(1994 E.C.), MEHER SEASON. COMMERCIAL FARMS

TYPE OF CROP DAMAGE	Total damaged crop land area in hectares									
	Country Level Total	REGIONS								
		Tigray	Afar	Amhara	Oromiya	Somale	Bensh-Gum	SNNPR	Gambela	Addis A.
Total	37966	32539	644	1941	1731	8	724	368	1	11
Percent	100.00	85.71	1.70	5.11	4.56	0.02	1.91	0.97	0.00	0.03
Crop Disease.....	76	28	-	12	8	-	11	16	-	-
Percent	0.20	36.84	-	15.79	10.53	-	14.47	21.05	-	-
Frost of Flood.....	6087	4492	236	418	681	-	205	53	1	2
Percent	16.03	73.80	3.88	6.87	11.19	-	3.37	0.87	0.02	0.03
Locust.....	376	8	106	91	171	-	-	1	-	-
Percent	0.99	2.13	28.19	24.20	45.48	-	-	0.27	-	-
Shortage of Rain....	969	98	-	658	186	-	5	21	-	1
Percent	2.55	10.11	-	67.91	19.20	-	0.52	2.17	-	0.10
Too Much Rain.....	879	175	-	23	324	-	357	-	-	-
Percent	2.32	19.91	-	2.62	36.86	-	40.61	-	-	-
Wild Animals.....	1	1	-	-	-	-	-	-	-	-
Percent	0.00	100	-	-	-	-	-	-	-	-
Birds.....	2125	1275	282	179	158	-	138	84	-	8
Percent	5.60	60.00	13.27	8.42	7.44	-	6.49	3.95	-	0.38
Snow.....	1	-	-	1	-	-	-	-	-	-
Percent	0.00	-	-		-	-	-	-	-	-
Pests and Insects...	27452	26462	20	559	203	8	8	193	-	-
Percent	72.31	96.39	0.07	2.04	0.74	0.03	0.03	0.70	-	-

TABLE 4.3.3.1 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), BELG SEASON.

Ethiopia — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	49785	1622	3.26	49534	99.5	49288	99	231	0.46
Grains Crops....	18060	117	0.65	17875	98.98	17703	98.02	42	0.23
Cereals.....	17980	65	0.36	17814	99.08	17653	98.18	32	0.18
Teff.....	87	-	-	23	26.44	-	-	-	-
Maize.....	17846	31	0.17	17756	99.5	17651	98.91	32	0.18
Sorghum.....	30	30	100	30	100	-	-	-	-
Other Cereal..	17	4	23.53	5	29.41	3	17.65	-	-
Pulse.....	17	3	17.65	1	5.88	1	5.88	-	-
Other Pulse...	17	3	17.65	1	5.88	1	5.88	-	-
Other Grain....	63	49	77.78	60	95.24	49	77.78	10	15.87
Vegetables.....	10326	181	1.75	10273	99.49	10217	98.94	81	0.78
Lettuce.....	38	26	68.42	38	100	38	100	-	-
Cabbage.....	5017	17	0.34	5017	100	5017	100	1	0.02
Kale.....	17	-	-	17	100	16	94.12	-	-
Tomatoes.....	146	70	47.95	96	65.75	78	53.42	58	39.73
Green pepper...	14	1	7.14	13	92.86	13	92.86	6	42.86
Red paper.....	20	20	100	20	100	-	-	-	-
Swiss chard....	5022	21	0.42	5022	100	5021	99.98	-	-
Other.....	15	2	13.33	15	100	15	100	1	6.67
Other Vege.....	38	23	60.53	35	92.11	20	52.63	15	39.47
Root Crops.....	21399	1324	6.19	21386	99.94	21368	99.86	108	0.5
Carrot.....	20	20	100	20	100	20	100	-	-
Onion.....	150	98	65.33	150	100	139	92.67	106	70.67
Potatoes.....	20000	-	-	20000	100	20000	100	-	-
Sweet potatoes.	1200	1200	100	1200	100	1200	100	-	-
Other Root C...	28	5	17.86	15	53.57	9	32.14	3	10.71

TABLE 4.3.3.2 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), BELG SEASON.

Tigray — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	48922	1368	2.8	48874	99.9	48870	99.89	4	0.01
Grains Crops....	17600	48	0.27	17552	99.73	17551	99.72	-	-
Cereals.....	17552	-	-	17504	99.73	17503	99.72	-	-
Teff.....	48	-	-	-	-	-	-	-	-
Maize.....	17501	-	-	17501	100	17501	100	-	-
Other Cereal..	4	-	-	3	75	3	75	-	-
Other Grain....	48	48	100	48	100	48	100	-	-
Vegetables.....	10069	68	0.68	10069	100	10067	99.98	3	0.03
Lettuce.....	26	26	100	26	100	26	100	-	-
Cabbage.....	5017	17	0.34	5017	100	5017	100	1	0.02
Swiss chard....	5021	21	0.42	5021	100	5021	100	-	-
Other Vege.....	4	4	100	4	100	3	75	2	50
Root Crops.....	21253	1252	5.89	21253	100	21252	100	1	-
Carrot.....	20	20	100	20	100	20	100	-	-
Onion.....	33	32	96.97	33	100	32	96.97	1	3.03
Potatoes.....	20000	-	-	20000	100	20000	100	-	-
Sweet potatoes.	1200	1200	100	1200	100	1200	100	-	-

TABLE 4.3.3.3 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), BELG SEASON.

Amhara — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	425	96	22.59	308	72.47	99	23.29	115	27.06
Grains Crops....	274	17	6.2	210	76.64	43	15.69	32	11.68
Cereals.....	257	14	5.45	199	77.43	43	16.73	22	8.56
Teff.....	40	-	-	23	57.5	-	-	-	-
Maize.....	216	14	6.48	175	81.02	43	19.91	22	10.19
Other Cereal..	2	-	-	1	50	-	-	-	-
Pulse.....	3	3	100	-	-	-	-	-	-
Other Pulse...	3	3	100	-	-	-	-	-	-
Other Grain....	14	-	-	11	78.57	-	-	10	71.43
Vegetables.....	100	41	41	50	50	21	21	38	38
Tomatoes.....	81	28	34.57	31	38.27	13	16.05	28	34.57
Other Vege.....	19	13	68.42	18	94.74	8	42.11	11	57.89
Root Crops.....	51	38	74.51	48	94.12	35	68.63	45	88.24
Onion.....	44	37	84.09	44	100	35	79.55	42	95.45
Other Root C...	6	-	-	4	66.67	1	16.67	3	50

TABLE 4.3.3.4 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), BELG SEASON.

Oromia — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	260	93	35.77	245	94.23	243	93.46	110	42.31
Grains Crops....	87	15	17.24	77	88.51	77	88.51	9	10.34
Cereals.....	76	15	19.74	76	100	76	100	9	11.84
Maize.....	76	15	19.74	76	100	76	100	9	11.84
Pulse.....	11	-	-	1	9.09	1	9.09	-	-
Vegetables.....	93	47	50.54	93	100	92	98.92	39	41.94
Tomatoes.....	65	43	66.15	65	100	65	100	30	46.15
Green pepper...	13	1	7.69	12	92.31	12	92.31	6	46.15
Other.....	8	1	12.5	8	100	8	100	1	12.5
Other Vege.....	7	3	42.86	7	100	7	100	2	28.57
Root Crops.....	80	31	38.75	75	93.75	74	92.5	62	77.5
Onion.....	73	29	39.73	73	100	72	98.63	62	84.93
Other Root C...	7	2	28.57	2	28.57	2	28.57	-	-

TABLE 4.3.3.5 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), BELG SEASON.

Somale — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	34	-	-	4	11.76	30	88.24	-	-
Grains Crops....	33	-	-	3	9.09	30	90.91	-	-
Cereals.....	33	-	-	3	9.09	30	90.91	-	-
Maize.....	33	-	-	3	9.09	30	90.91	-	-
Vegetables.....	1	-	-	1	100	-	-	-	-

TABLE 4.3.3.6 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), BELG SEASON.

Benshangul-Gumuz — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	24	24	100	24	100	-	-	-	-
Grains Crops....	2	2	100	2	100	-	-	-	-
Other Cereal..	2	2	100	2	100	-	-	-	-
Vegetables.....	21	21	100	21	100	-	-	-	-
Red paper.....	20	20	100	20	100	-	-	-	-
Other Vege.....	1	1	100	1	100	-	-	-	-
Root Crops.....	1	1	100	1	100	-	-	-	-

TABLE 4.3.3.7 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), BELG SEASON.

(S.N.N.P.R) IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	69	33	47.83	33	47.83	6	8.7	3	4.35
Grains Crops....	61	32	52.46	32	52.46	2	3.28	2	3.28
Cereals.....	58	32	55.17	32	55.17	2	3.45	2	3.45
Maize.....	20	2	10	2	10	2	10	2	10
Sorghum.....	30	30	100	30	100	-	-	-	-
Other Cereal..	8	-	-	-	-	-	-	-	-
Pulse.....	3	-	-	-	-	-	-	-	-
Vegetables.....	3	1	33.33	1	33.33	1	33.33	1	33.33
Other Vege.....	3	1	33.33	1	33.33	-	-	-	-
Root Crops.....	5	-	-	-	-	3	60	-	-

TABLE 4.3.3.8 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), BELG SEASON.

Gambela IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	3	3	100	-	-	-	-	-	-
Grains Crops....	3	3	100	-	-	-	-	-	-
Cereals.....	3	3	100	-	-	-	-	-	-

TABLE 4.3.3.9 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR PRIVATE COMMERCIAL FARMS, 2001/02 (1994 E.C.), BELG SEASON.

Addis Ababa IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	46	4	8.7	46	100	40	86.96	-	-
Vegetables.....	38	2	5.26	38	100	36	94.74	-	-
Lettuce.....	12	-	-	12	100	12	100	-	-
Kale.....	16	-	-	16	100	16	100	-	-
Other.....	7	1	14.29	7	100	7	100	-	-
Other Vege.....	3	1	33.33	3	100	1	33.33	-	-
Root Crops.....	8	2	25	8	100	4	50	-	-
Other Root C...	8	2	25	8	100	4	50	-	-

TABLE 4.3.3.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BELG SEASON.

Ethiopia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	49288	28960	4
Grains Crops....	17703	12609	-
Cereals.....	17653	12560	-
Maize.....	17651	12559	-
Other Cereal..	3	1	-
Pulse.....	1	-	-
Other Pulse...	1	-	-
Other Grain....	49	48	-
Vegetables.....	10217	10077	3
Lettuce.....	38	26	-
Cabbage.....	5017	5016	-
Kale.....	16	-	-
Tomatoes.....	78	7	3
Green pepper...	13	1	-
Swiss chard....	5021	5020	-
Other.....	15	-	-
Other Vege.....	20	7	-
Root Crops.....	21368	6275	-
Carrot.....	20	20	-
Onion.....	139	52	-
Potatoes.....	20000	5000	-
Sweet potatoes.	1200	1200	-
Other Root C...	9	2	-

TABLE 4.3.3.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BELG SEASON.

Tigray

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	48871	28863	-
Grains Crops....	17551	12549	-
Cereals.....	17503	12501	-
Maize.....	17501	12500	-
Other Cereal..	3	1	-
Other Grain....	48	48	-
Vegetables.....	10067	10063	-
Lettuce.....	26	25	-
Cabbage.....	5017	5016	-
Swiss chard....	5021	5020	-
Other Vege.....	3	1	-
Root Crops.....	21252	6251	-
Carrot.....	20	20	-
Onion.....	32	30	-
Potatoes.....	20000	5000	-
Sweet potatoes.	1200	1200	-

TABLE 4.3.3.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BELG SEASON.

Amhara

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	99	57	-
Grains Crops....	43	29	-
Cereals.....	43	29	-
Maize.....	43	29	-
Vegetables.....	21	10	-
Tomatoes.....	13	4	-
Other Vege.....	8	6	-
Root Crops.....	35	18	-
Onion.....	35	18	-
Other Root C...	1	-	-

TABLE 4.3.3.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BELG SEASON.

Oromia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	243	10	3
Grains Crops....	76	-	-
Cereals.....	76	-	-
Maize.....	76	-	-
Pulse.....	1	-	-
Other Pulse...	1	-	-
Vegetables.....	92	4	3
Tomatoes.....	65	3	3
Green pepper...	12	1	-
Other.....	8	-	-
Other Vege.....	7	-	-
Root Crops.....	74	6	-
Onion.....	72	4	-
Other Root C...	2	2	-

TABLE 4.3.3.5F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BELG SEASON.

Somale

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	30	30	-
Grains Crops....	30	30	-
Cereals.....	30	30	-
Maize.....	30	30	-

TABLE 4.3.3.5F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BELG SEASON.

(S.N.N.P.R)

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	6	-	1
Grains Crops....	2	-	-
Cereals.....	2	-	-
Maize.....	2	-	-
Vegetables.....	1	-	-
Root Crops.....	3	-	1

TABLE 4.3.3.6F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BELG SEASON.

Addis Ababa

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	40	-	-
Vegetables.....	36	-	-
Lettuce.....	12	-	-
Kale.....	16	-	-
Other.....	7	-	-
Other Vege.....	1	-	-
Root Crops.....	4	-	-

TABLE 4.3.3.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BELG SEASON.

Ethiopia

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	86	20225	14
Grains Crops....	14	5068	12
Cereals.....	14	5067	12
Maize.....	14	5067	11
Other Cereal..	-	1	1
Pulse.....	-	1	-
Other Pulse...	-	1	-
Other Grain....	-	-	-
Vegetables.....	51	86	2
Lettuce.....	12	-	-
Cabbage.....	-	-	1
Kale.....	15	1	-
Tomatoes.....	14	55	-
Other.....	7	8	-
Other Vege.....	2	9	1
Root Crops.....	21	15071	-
Onion.....	15	71	-
Other Root C...	6	-	-

TABLE 4.3.3.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BELG SEASON.

Tigray
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	1	20004	3
Grains Crops....	-	5001	2
Cereals.....	-	5001	2
Maize.....	-	5000	1
Other Cereal..	-	1	1
Vegetables.....	-	3	1
Cabbage.....	-	-	1
Green pepper...	-	-	-
Other Vege.....	-	2	-
Root Crops.....	1	15001	-
Onion.....	1	1	-
Potatoes.....	-	15000	-

TABLE 4.3.3.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BELG SEASON.

Amhara
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	39	4	-
Grains Crops....	14	-	-
Cereals.....	14	-	-
Maize.....	14	-	-
Vegetables.....	10	1	-
Tomatoes.....	9	1	-
Other Vege.....	1	1	-
Root Crops.....	15	3	-
Onion.....	14	3	-
Other Root C...	1	-	-

TABLE 4.3.3.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BELG SEASON.

Oromia
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	5	216	9
Grains Crops....	-	67	9
Cereals.....	-	67	9
Maize.....	-	67	9
Pulse.....	-	-	-
Other Pulse...	-	-	-
Vegetables.....	5	81	-
Kale.....	-	-	-
Tomatoes.....	5	54	-
Green pepper...	-	11	-
Other.....	-	8	-
Other Vege.....	-	7	-
Root Crops.....	-	68	-
Onion.....	-	68	-

TABLE 4.3.3.5F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BELG SEASON.

(S.N.N.P.R)
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	2	-	-
Grains Crops....	-	-	-
Cereals.....	-	-	-
Maize.....	-	-	-
Root Crops.....	2	-	-

TABLE 4.3.3.6F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR COMMERCIAL FARMS ,2001/02(1994 E.C.), BELG SEASON.

Addis Ababa
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	39	1	-
Grains Crops....	-	-	-
Vegetables.....	35	1	-
Lettuce.....	12	-	-
Kale.....	15	1	-
Other.....	7	-	-
Other Vege.....	1	-	-
Root Crops.....	4	-	-
Onion.....	-	-	-
Other Root C...	4	-	-

TABLE 1.3.3.1D. TOTAL DAMAGED CROPLAND AREA BY CAUSES AND REGION DAMAGE FOR LARGE AND MEDIUM SCALE FARMS 2001/02(1994 E.C.), BELG SEASON. COMMERCIAL FARMS

		Total damaged crop land area in hectares									
			REGIONS								
TYPE OF CROP DAMAG		Country Level Total	Tigray	Afar	Amhara	Oromiya	Somale	Bensh-Gum	SNNPR	Gambela	Addis A.
Total		13604	13433	-	134	18	2	-	8	-	8
	Percer	100.00	98.74	-	0.99	0.13	0.01	-	0.06	-	0.06
Crop Disease.....		2	-	-	2	-	-	-	-	-	-
	Percer	0.01		-	100	-	-	-	-	-	-
Frost of Flood.....		39	-	-	23	9	-	-	-	-	8
	Percer	0.29		-	58.97	23.08		-		-	20.51
Locust.....		1361	1284	-	76	-	-	-	-	-	-
	Percer	10.00	94.34	-	5.58	-	-	-		-	-
Shortage of Rain....		14	1	-	4	9	-	-	-	-	-
	Percer	0.10		-	28.57	64.29		-		-	
Too Much Rain.....		12100	12100	-	-	-	-	-	-	-	-
	Percer	88.94		-	-	-	-	-	-	-	-
Wild Animals.....		-	-	-	-	-	-	-	-	-	-
	Percent			-				-		-	
Birds.....		2	-	-	2	-	-	-	-	-	-
	Percer	0.01		-	100			-		-	
Snow.....		-	-	-	-	-	-	-	-	-	-
	Percer	-	-	-	-	-	-	-	-	-	-
Pests and Insects...		86	48	-	28	-	2	-	8	-	-
	Percer	0.63	55.81	-	32.56		2.33	-	9.30	-	-

TABLE 4.4.1.1 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), BOTH SEASONS.

Ethiopia — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	54903	17988	100	2311	100	30542	100	18017	100
Grains Crops....	45044	10055	55.9	994	43.01	22707	74.35	10435	57.92
Cereals.....	39058	8926	49.62	763	33.02	20721	67.84	9720	53.95
Teff.....	769	40	0.22	7	0.3	354	1.16	168	0.93
Barley.....	282	31	0.17	3	0.13	171	0.56	130	0.72
Wheat.....	17786	6781	37.7	3	0.13	17655	57.81	7459	41.4
Maize.....	9643	2045	11.37	731	31.63	2400	7.86	1924	10.68
Sorghum.....	10477	6	0.03	12	0.52	99	0.32	25	0.14
Millet.....	41	-	-	-	-	15	0.05	-	-
Other Cereal..	61	23	0.13	8	0.35	27	0.09	13	0.07
Pulse.....	3956	663	3.69	26	1.13	1036	3.39	192	1.07
Horse beans...	2754	110	0.61	-	-	149	0.49	137	0.76
Field peas....	87	44	0.24	3	0.13	44	0.14	45	0.25
Haricot beans.	475	399	2.22	-	-	416	1.36	5	0.03
Chick peas....	55	4	0.02	2	0.09	-	-	-	-
Lentiles.....	41	-	-	-	-	2	0.01	-	-
Vetch.....	42	-	-	-	-	-	-	-	-
Soya.....	430	100	0.56	-	-	413	1.35	-	-
Fenugreek.....	18	-	-	1	0.04	3	0.01	-	-
Other Pulse...	53	6	0.03	21	0.91	8	0.03	6	0.03
Oile seed.....	1780	426	2.37	7	0.3	750	2.46	324	1.8
Nueg.....	766	2	0.01	-	-	7	0.02	2	0.01
Ground nuts...	11	-	-	-	-	1	-	-	-
Sesame.....	251	1	0.01	-	-	5	0.02	-	-
Rapeseed.....	724	409	2.27	-	-	724	2.37	315	1.75
Other Oile S..	28	14	0.08	7	0.3	13	0.04	8	0.04
Other Grain....	250	40	0.22	198	8.57	200	0.65	199	1.1
Vegetables.....	426	329	1.83	355	15.36	315	1.03	230	1.28
Lettuce.....	58	58	0.32	58	2.51	57	0.19	-	
Cabbage.....	37	35	0.19	36	1.56	36	0.12	17	0.09
Tomatoes.....	191	190	1.06	190	8.22	189	0.62	186	1.03
Green pepper...	69	8	0.04	25	1.08	9	0.03	8	0.04
Swiss chard....	1	1	0.01	1	0.04	-	-	-	-
Other Vege.....	70	39	0.22	46	1.99	25	0.08	18	0.1
Root Crops.....	520	206	1.15	227	9.82	196	0.64	162	0.9
Carrot.....	23	22	0.12	12	0.52	1	-	-	
Onion.....	184	138	0.77	134	5.8	119	0.39	117	0.65
Potatoes.....	57	5	0.03	31	1.34	46	0.15	34	0.19
Garlic.....	166	-	-	-	-	-	-	-	-
Other Root C...	88	40	0.22	49	2.12	29	0.09	10	0.06
Permanet crops...	8913	7398	41.13	735	31.8	7324	23.98	7190	39.91
Fruit Crops.....	419	250	1.39	171	7.4	165	0.54	97	0.54
Avocado.....	74	67	0.37	3	0.13	32	0.1	-	-
Bannas.....	118	54	0.3	4	0.17	4	0.01	-	-
Mangos.....	36	-	-	12	0.52	-	-	-	-
Oranges.....	73	66	0.37	62	2.68	61	0.2	59	0.33
Other	39	34	0.19	37	1.6	28	0.09	28	0.16
Other Fruit....	78	29	0.16	53	2.29	39	0.13	10	0.06
Stimulant Crop..	8263	7044	39.16	552	23.89	7143	23.39	7093	39.37
Chat.....	25	-	-	15	0.65	4	0.01	4	0.02
Coffee.....	8217	7042	39.15	530	22.93	7136	23.36	7089	39.35
Other Stimulant	21	2	0.01	7	0.3	2	0.01	-	-
Other Permanent.	231	104	0.58	12	0.52	16	0.05	-	-
Enset.....	31	-	-	-		4	0.01	-	-
Sugar Cane.....	84	-	-	8	0.35	10	0.03	-	-
Other	104	104	0.58	-	-	-	-	-	-
Other Perm.....	13	-	-	4	0.17	1	-	-	-

TABLE 4.4.1.2 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), BOTH SEASONS.

Tigray — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	89	82	100	78	100	83	100	17	100
Grains Crops....	16	15	18.29	5	6.41	13	15.66	14	82.35
Cereals.....	13	12	14.63	5	6.41	13	15.66	11	64.71
Other Cereal..	12	12	14.63	5	6.41	12	14.46	11	64.71
Pulse.....	3	3	3.66	-	-	-	-	3	17.65
Other Pulse...	3	3	3.66	-	-	-	-	3	17.65
Vegetables.....	58	58	70.73	58	74.36	58	69.88	-	-
Lettuce.....	57	57	69.51	57	73.08	57	68.67	-	-
Other Vege.....	1	1	1.22	1	1.28	-	-	-	-
Root Crops.....	2	-	-	2	2.56	-	-	-	-
Other Root C...	1	-	-	1	1.28	-	-	-	-
Permanet crops...	13	9	10.98	13	16.67	12	14.46	3	17.65
Fruit Crops.....	13	9	10.98	13	16.67	12	14.46	3	17.65
Other	1	-	-	1	1.28	1	1.2	-	-
Other Fruit....	12	9	10.98	12	15.38	11	13.25	3	17.65

TABLE 4.4.1.3 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), BOTH SEASONS.

Amhara — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	7399	116	100	128	100	352	100	70	100
Grains Crops....	7294	64	55.17	49	38.28	325	92.33	53	75.71
Cereals.....	4508	54	46.55	30	23.44	303	86.08	42	60
Teff.....	315	6	5.17	7	5.47	132	37.5	16	22.86
Barley.....	81	1	0.86	3	2.34	2	0.57	3	4.29
Wheat.....	192	24	20.69	2	1.56	116	32.95	6	8.57
Maize.....	31	11	9.48	16	12.5	13	3.69	3	4.29
Sorghum.....	3864	4	3.45	-	-	29	8.24	14	20
Millet.....	11	-	-	-	-	1	0.28	-	-
Other Cereal..	15	9	7.76	3	2.34	11	3.13	-	-
Pulse.....	2761	10	8.62	19	14.84	19	5.4	10	14.29
Horse beans...	2568	-	-	-	-	6	1.7	4	5.71
Field peas....	16	3	2.59	3	2.34	3	0.85	3	4.29
Chick peas....	55	4	3.45	2	1.56	-	-	-	-
Lentiles.....	41	-	-	-		2	0.57	-	-
Vetch.....	42	-	-	-	-	-	-	-	-
Fenugreek.....	18	-		1	0.78	3	0.85	-	-
Other Pulse...	20	3	2.59	13	10.16	5	1.42	3	4.29
Oile seed.....	24	-	-	-		3	0.85	1	1.43
Nueg.....	16	-	-	-	-	-	-	-	-
Sesame.....	3	-	-	-	-	3	0.85	-	-
Other Oile S..	5	-	-	-	-	-	-	1	1.43
Other Grain....	1	-	-	-	-	-	-	-	-
Vegetables.....	22	16	13.79	17	13.28	8	2.27	4	5.71
Other Vege.....	21	15	12.93	16	12.5	8	2.27	4	5.71
Root Crops.....	56	28	24.14	48	37.5	13	3.69	6	8.57
Carrot.....	12	11	9.48	12	9.38	1	0.28	-	
Onion.....	13	1	0.86	13	10.16	2	0.57	1	1.43
Other Root C...	32	16	13.79	23	17.97	11	3.13	5	7.14
Permanet crops...	27	8	6.9	14	10.94	6	1.7	7	10
Fruit Crops.....	12	6	5.17	11	8.59	6	1.7	7	10
Other	1	-	-	1	0.78	-	-	-	-
Other Fruit....	12	6	5.17	10	7.81	6	1.7	7	10
Stimulant Crop..	8	2	1.72	2	1.56	-	-	-	-
Other Permanent.	7	-	-	1	0.78	-	-	-	-

TABLE 4.4.1.4 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), BOTH SEASONS.

Oromia — IN HECTARES

Type of crop	Total crop	Improved seed applied		Irrigated		Fertilizer Applied		Pesticide Applied	
	Area	Area	%	Area	%	Area	%	Area	%
TOTAL.....	37850	10298	100	1407	100	22409	100	10739	100
Grains Crops....	35625	9180	89.14	457	32.48	21048	93.93	9500	88.46
Cereals.....	33197	8108	78.73	450	31.98	19570	87.33	9003	83.83
Teff.....	353	26	0.25	-	-	180	0.8	85	0.79
Barley.....	190	30	0.29	-	-	166	0.74	123	1.15
Wheat.....	17557	6749	65.54	1	0.07	17511	78.14	7425	69.14
Maize.....	8542	1302	12.64	447	31.77	1626	7.26	1364	12.7
Sorghum.....	6509	-	-	2	0.14	70	0.31	7	0.07
Millet.....	30	-	-	-	-	15	0.07	-	-
Other Cereal..	16	1	0.01	-	-	3	0.01	-	-
Pulse.....	847	650	6.31	-	-	732	3.27	174	1.62
Horse beans...	170	110	1.07	-	-	141	0.63	133	1.24
Field peas....	71	41	0.4	-	-	41	0.18	42	0.39
Haricot beans.	428	399	3.87	-	-	396	1.77	-	-
Soya.....	167	100	0.97	-	-	150	0.67	-	-
Other Pulse...	11	-	-	-	-	3	0.01	-	-
Oile seed.....	1579	422	4.1	7	0.5	745	3.32	322	3
Nueg.....	729	-	-	-	-	7	0.03	-	-
Ground nuts...	11	-	-	-	-	1	-	-	-
Sesame.....	99	-	-	-	-	-	-	-	-
Rapeseed.....	724	409	3.97	-	-	724	3.23	315	2.93
Other Oile S..	16	12	0.12	7	0.5	13	0.06	7	0.07
Other Grain....	2	-	-	-	-	1	-	1	0.01
Vegetables.....	256	229	2.22	248	17.63	232	1.04	207	1.93
Cabbage.....	37	35	0.34	36	2.56	36	0.16	17	0.16
Tomatoes.....	180	178	1.73	179	12.72	178	0.79	175	1.63
Green pepper...	24	8	0.08	24	1.71	8	0.04	8	0.07
Other Vege.....	15	9	0.09	9	0.64	10	0.04	7	0.07
Root Crops.....	175	105	1.02	133	9.45	134	0.6	115	1.07
Onion.....	124	96	0.93	102	7.25	97	0.43	96	0.89
Potatoes.....	26	-	-	20	1.42	24	0.11	18	0.17
Other Root C...	25	9	0.09	12	0.85	12	0.05	-	-
Permanet crops...	1794	784	7.61	569	40.44	995	4.44	917	8.54
Fruit Crops.....	140	72	0.7	59	4.19	71	0.32	32	0.3
Avocado.....	35	33	0.32	3	0.21	31	0.14	-	-
Bannas.....	18	2	0.02	3	0.21	4	0.02	-	-
Mangos.....	36	-	-	12	0.85	-	-	-	-
Oranges.....	24	19	0.18	17	1.21	17	0.08	14	0.13
Other	18	16	0.16	17	1.21	17	0.08	17	0.16
Other Fruit....	8	2	0.02	7	0.5	2	0.01	1	0.01
Stimulant Crop..	1633	712	6.91	508	36.11	922	4.11	885	8.24
Chat.....	25	-	-	15	1.07	4	0.02	4	0.04
Coffee.....	1605	712	6.91	493	35.04	917	4.09	881	8.2
Other Stimulant	3	-	-	-	-	1	-	-	-
Other Permanent.	21	-	-	2	0.14	2	0.01	-	-
Enset.....	16	-	-	-	-	1	-	-	-
Other Perm.....	6	-	-	2	0.14	1	-	-	-

TABLE 4.4.1.5 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), BOTH SEASONS.

Somale — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	186	67	100	146	100	83	100	71	100
Grains Crops....	130	57	85.07	99	67.81	64	77.11	67	94.37
Cereals.....	123	57	85.07	92	63.01	64	77.11	67	94.37
Maize.....	108	57	85.07	82	56.16	64	77.11	67	94.37
Sorghum.....	14	-	-	10	6.85	-	-	-	-
Other Cereal..	2	-	-	-	-	-	-	-	-
Pulse.....	7	-		7	4.79	-	-	-	-
Other Pulse...	7	-		7	4.79	-	-	-	-
Vegetables.....	13	-		12	8.22	-	-	-	-
Other Vege.....	13	-		12	8.22	-	-	-	-
Root Crops.....	10	3	4.48	10	6.85	3	3.61	4	5.63
Other Root C...	10	3	4.48	10	6.85	3	3.61	4	5.63
Permanet crops...	33	7	10.45	25	17.12	16	19.28	-	-
Fruit Crops.....	27	7	10.45	19	13.01	16	19.28	-	-
Other	1	-	-	1	0.68	-	-	-	-
Other Fruit....	26	7	10.45	18	12.33	16	19.28	-	-
Stimulant Crop..	5	-	-	5	3.42	-	-	-	-
Other Stimulant	5	-	-	5	3.42	-	-	-	-
Other Permanent.	1	-	-	1	0.68	-	-	-	-
Other Perm.....	1	-	-	1	0.68	-	-	-	-

TABLE 4.4.1.6 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), BOTH SEASONS.

Benshangul-Gumuz — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	465	25	100	53	100	287	100	4	100
Grains Crops....	439	13	52	40	75.47	275	95.82	4	100
Cereals.....	140	10	40	40	75.47	9	3.14	2	50
Maize.....	59	7	28	40	75.47	8	2.79	-	-
Sorghum.....	74	2	8	-	-	-	-	-	-
Other Cereal..	7	1	4	-	-	1	0.35	2	50
Pulse.....	264	-	-	-	-	263	91.64	-	-
Soya.....	263	-	-	-	-	263	91.64	-	-
Other Pulse...	1	-	-	-	-	-	-	-	-
Oile seed.....	35	3	12	-	-	3	1.05	2	50
Nueg.....	22	2	8	-	-	-		2	50
Sesame.....	13	1	4	-	-	3	1.05	-	-
Vegetables.....	1	-	-	1	1.89	-	-	-	-
Other Vege.....	1	-	-	1	1.89	-	-	-	-
Root Crops.....	2	1	4	1	1.89	1	0.35	-	-
Other Root C...	1	1	4	1	1.89	1	0.35	-	-
Permanet crops...	23	11	44	11	20.75	11	3.83	-	-
Fruit Crops.....	21	11	44	11	20.75	11	3.83	-	-
Other	6	6	24	6	11.32	6	2.09	-	-
Other Fruit....	15	5	20	5	9.43	5	1.74	-	-
Stimulant Crop..	2	-	-	-	-	-	-	-	-
Other Stimulant	2	-	-	-	-	-	-	-	-

TABLE 4.4.1.7 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), BOTH SEASONS.

(S.N.N.P.R) IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	8888	7399	100	500	100	7331	100	7098	100
Grains Crops....	1518	725	9.8	344	68.8	984	13.42	780	10.99
Cereals.....	1060	685	9.26	146	29.2	763	10.41	577	8.13
Teff.....	101	9	0.12	-	-	43	0.59	67	0.94
Barley.....	12	-	-	-	-	3	0.04	4	0.06
Wheat.....	37	8	0.11	-	-	28	0.38	29	0.41
Maize.....	885	668	9.03	146	29.2	689	9.4	473	6.66
Sorghum.....	16	-	-	-	-	-	-	4	0.06
Other Cereal..	9	-	-	-	-	-	-	-	-
Pulse.....	74	-	-	-	-	22	0.3	5	0.07
Horse beans...	16	-	-	-	-	2	0.03	-	-
Haricot beans.	46	-	-	-	-	20	0.27	5	0.07
Other Pulse...	10	-	-	-	-	-	-	-	-
Oile seed.....	137	-	-	-	-	-	-	-	-
Sesame.....	136	-	-	-	-	-	-	-	-
Other Oile S..	1	-	-	-	-	-	-	-	-
Other Grain....	247	40	0.54	198	39.6	199	2.71	198	2.79
Vegetables.....	74	26	0.35	19	3.8	18	0.25	18	0.25
Tomatoes.....	12	11	0.15	11	2.2	11	0.15	11	0.15
Green pepper...	44	-	-	-	-	-	-	-	-
Other Vege.....	18	14	0.19	7	1.4	7	0.1	7	0.1
Root Crops.....	275	68	0.92	34	6.8	45	0.61	37	0.52
Carrot.....	11	11	0.15	-	-	-	-	-	-
Onion.....	48	41	0.55	20	4	20	0.27	20	0.28
Potatoes.....	31	5	0.07	11	2.2	22	0.3	16	0.23
Other Root C...	20	12	0.16	2	0.4	3	0.04	2	0.03
Permanet crops...	7021	6580	88.93	103	20.6	6284	85.72	6263	88.24
Fruit Crops.....	206	146	1.97	58	11.6	50	0.68	55	0.77
Avocado.....	39	34	0.46	1	0.2	1	0.01	-	-
Bannas.....	100	52	0.7	-	-	1	0.01	-	-
Oranges.....	48	47	0.64	45	9	45	0.61	45	0.63
Other	12	12	0.16	12	2.4	4	0.05	10	0.14
Other Fruit....	6	-	-	1	0.2	-	-	-	-
Stimulant Crop..	6613	6330	85.55	37	7.4	6220	84.85	6208	87.46
Coffee.....	6612	6330	85.55	37	7.4	6220	84.85	6208	87.46
Other Stimulant	2	-	-	-	-	-	-	-	-
Other Permanent.	202	104	1.41	8	1.6	14	0.19	-	-
Enset.....	15	-	-	-	-	4	0.05	-	-
Sugar Cane.....	84	-	-	8	1.6	10	0.14	-	-
Other	104	104	1.41	-	-	-	-	-	-

TABLE 4.4.1.8 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), BOTH SEASONS.

Gambela IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	23	2	100	-	-	-	-	18	100
Grains Crops....	23	2	100	-	-	-	-	18	100
Cereals.....	18	-	-	-	-	-	-	18	100
Maize.....	18	-	-	-	-	-	-	18	100
Oile seed.....	5	2	100	-	-	-	-	-	-

TABLE 4.4.1.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Ethiopia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	30542	355	2223
Grains Crops....	22707	134	2177
Cereals.....	20721	108	563
Teff.....	354	19	123
Barley.....	171	-	131
Wheat.....	17655	11	114
Maize.....	2400	37	128
Sorghum.....	99	39	53
Millet.....	15	1	11
Other Cereal..	27	-	4
Pulse.....	1036	17	882
Horse beans...	149	5	138
Field peas....	44	4	41
Haricot beans.	416	4	389
Lentiles.....	2	-	-
Soya.....	413	-	313
Fenugreek.....	3	-	-
Other Pulse...	8	5	1
Oile seed.....	750	8	731
Nueg.....	7	5	2
Ground nuts...	1	1	-
Sesame.....	5	3	-
Rapeseed.....	724	-	724
Other Oile S..	13	-	5
Other Grain....	200	1	-
Vegetables.....	315	67	22
Lettuce.....	57	57	-
Cabbage.....	36	-	18
Kale.....	-	-	-
Tomatoes.....	189	-	3
Green pepper...	9	-	-
Other Vege.....	25	9	-
Root Crops.....	196	11	20
Carrot.....	1	1	-
Onion.....	119	2	-
Potatoes.....	46	1	17
Other Root C...	29	8	3
Permanet crops...	7324	142	3
Fruit Crops.....	165	63	1
Avocado.....	32	32	-
Bannas.....	4	3	1
Oranges.....	61	3	-
Other	28	3	-
Other Fruit....	39	22	-
Stimulant Crop..	7143	73	2
Chat.....	4	1	-
Coffee.....	7136	70	2
Other Stimulant	2	2	-
Other Permanent.	16	6	1
Enset.....	4	3	-
Sugar Cane.....	10	3	1
Other	1	1	-

TABLE 4.4.1.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Tigray

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	83	69	-
Grains Crops....	13	-	-
Cereals.....	13	-	-
Vegetables.....	58	57	-
Lettuce.....	57	57	-
Permanet crops...	12	12	-
Fruit Crops.....	12	12	-
Other	1	1	-
Other Fruit....	11	11	-

TABLE 4.4.1.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Amhara

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	352	84	5
Grains Crops....	325	63	5
Cereals.....	303	51	2
Teff.....	132	10	2
Barley.....	2	-	-
Wheat.....	116	2	-
Maize.....	13	10	-
Sorghum.....	29	29	-
Millet.....	1	-	-
Other Cereal..	11	-	-
Pulse.....	19	9	3
Horse beans...	6	3	3
Field peas....	3	3	-
Lentiles.....	2	-	-
Fenugreek.....	3	-	-
Other Pulse...	5	3	-
Oile seed.....	3	3	-
Sesame.....	3	3	-
Vegetables.....	8	7	-
Other Vege.....	8	6	-
Root Crops.....	13	8	-
Carrot.....	1	1	-
Onion.....	2	1	-
Other Root C...	11	6	-
Permanet crops...	6	6	-
Fruit Crops.....	6	6	-
Other Fruit....	6	6	-

TABLE 4.4.1.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Oromia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	22407	171	1782
Grains Crops....	21047	67	1752
Cereals.....	19570	52	418
Teff.....	180	9	97
Barley.....	166	-	128
Wheat.....	17511	9	107
Maize.....	1626	23	20
Sorghum.....	70	10	53
Millet.....	15	1	11
Other Cereal..	3	-	3
Pulse.....	732	9	602
Horse beans...	141	2	134
Field peas....	41	1	41
Haricot beans.	396	4	376
Soya.....	150	-	50
Other Pulse...	3	2	1
Oile seed.....	745	6	731
Nueg.....	7	5	2
Ground nuts...	1	1	-
Rapeseed.....	724	-	724
Other Oile S..	13	-	5
Other Grain....	1	1	-
Vegetables.....	232	2	22
Cabbage.....	36	-	18
Tomatoes.....	178	-	3
Green pepper...	8	-	-
Other Vege.....	10	2	-
Root Crops.....	134	1	8
Onion.....	97	-	-
Potatoes.....	24	-	5
Other Root C...	12	1	3
Permanet crops...	995	100	1
Fruit Crops.....	71	38	1
Avocado.....	31	31	-
Bannas.....	4	3	-
Oranges.....	17	3	-
Other	17	-	-
Other Fruit....	2	2	-
Stimulant Crop..	922	61	-
Chat.....	4	1	-
Coffee.....	917	59	-
Other Stimulant	1	1	-
Other Permanent.	2	1	-
Enset.....	1	-	-
Other	1	1	-

TABLE 4.4.1.5F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Somale

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	83	4	1
Grains Crops....	64	-	1
Cereals.....	64	-	1
Maize.....	64	-	1
Root Crops.....	3	-	-
Other Root C...	3	-	-
Permanet crops...	16	4	-
Fruit Crops.....	16	4	-

TABLE 4.4.1.6F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Benshangul-Gumuz

Type of crop	Total Fertilized Cropland Area in Hectare	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	286	1	264
Grains Crops....	274	-	264
Cereals.....	9	-	1
Maize.....	8	-	-
Other Cereal..	1	-	1
Pulse.....	263	-	263
Soya.....	263	-	263
Oile seed.....	3	-	-
Sesame.....	3	-	-
Root Crops.....	1	1	-
Other Root C...	1	1	-
Permanet crops...	11	-	-
Fruit Crops.....	11	-	-
Other	6	-	-
Other Fruit....	5	-	-

TABLE 4.4.1.7F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BOTH SEASONS (S.N.N.P.R)

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	7330	26	171
Grains Crops....	984	5	156
Cereals.....	763	5	141
Teff.....	43	1	25
Barley.....	3	-	3
Wheat.....	28	-	8
Maize.....	689	4	106
Pulse.....	22	-	14
Horse beans...	2	-	1
Haricot beans.	20	-	13
Other Grain....	199	-	-
Vegetables.....	18	-	-
Tomatoes.....	11	-	-
Other Vege.....	7	-	-
Root Crops.....	45	1	13
Onion.....	20	-	-
Potatoes.....	22	1	12
Other Root C...	3	-	1
Permanet crops...	6284	20	3
Fruit Crops.....	50	3	-
Avocado.....	1	1	-
Bannas.....	1	1	-
Oranges.....	45	-	-
Other	4	2	-
Stimulant Crop..	6220	11	2
Coffee.....	6220	11	2
Other Permanent.	14	5	1
Enset.....	4	3	-
Sugar Cane.....	10	3	1

TABLE 4.4.1.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Ethiopia

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	10154	11323	6488
Grains Crops....	10139	10007	250
Cereals.....	10134	9873	44
Teff.....	6	194	11
Barley.....	2	38	1
Wheat.....	10010	7515	4
Maize.....	114	2102	19
Sorghum.....	-	5	2
Millet.....	-	3	-
Other Cereal..	-	16	7
Pulse.....	3	133	-
Horse beans...	-	6	-
Haricot beans.	3	20	-
Lentiles.....	-	2	-
Soya.....	-	100	-
Fenugreek.....	-	3	-
Other Pulse...	-	3	-
Oile seed.....	2	1	7
Sesame.....	2	1	-
Other Oile S..	-	-	-
Other Grain....	-	-	198
Vegetables.....	-	215	11
Cabbage.....	-	17	-
Tomatoes.....	-	183	2
Green pepper...	-	8	1
Other Vege.....	1	6	8
Root Crops.....	8	154	3
Onion.....	-	115	2
Potatoes.....	1	27	1
Other Root C...	7	12	-
Permanet crops...	6	948	6224
Fruit Crops.....	-	91	11
Bannas.....	-	1	-
Oranges.....	-	59	-
Other	-	24	-
Other Fruit....	-	7	11
Stimulant Crop..	3	854	6212
Chat.....	1	2	-
Coffee.....	2	851	6212
Other Permanent.	3	4	1
Enset.....	1	-	-
Sugar Cane.....	2	4	1

TABLE 4.4.1.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Tigray

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	1	5	7
Grains Crops....	-	5	7
Cereals.....	-	5	7

TABLE 4.4.1.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Amhara

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	9	249	6
Grains Crops....	6	247	5
Cereals.....	6	240	5
Teff.....	3	113	4
Barley.....	-	2	-
Wheat.....	3	111	-
Maize.....	-	3	1
Millet.....	-	1	-
Other Cereal..	-	11	-
Pulse.....	-	7	-
Fenugreek.....	-	3	-
Other Pulse...	-	2	-
Root Crops.....	3	2	-

TABLE 4.4.1.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Oromia

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	10021	10382	51
Grains Crops....	10020	9178	31
Cereals.....	10019	9056	24
Teff.....	3	64	8
Barley.....	2	35	-
Wheat.....	10007	7384	3
Maize.....	6	1566	11
Sorghum.....	-	5	-
Millet.....	1	2	-
Pulse.....	-	121	-
Horse beans...	-	5	-
Haricot beans.	-	16	-
Soya.....	-	100	-
Other Pulse...	-	-	-
Oile seed.....	-	-	-
Other Oile S..	-	-	-
Vegetables.....	-	197	10
Cabbage.....	-	17	-
Tomatoes.....	-	172	2
Green pepper...	-	8	1
Other Vege.....	-	-	-
Root Crops.....	1	122	2
Onion.....	-	96	2
Potatoes.....	1	18	-
Other Root C...	-	8	-
Permanet crops...	1	885	-
Fruit Crops.....	-	32	-
Bannas.....	-	1	-
Oranges.....	-	14	-
Other	-	16	-
Other Fruit....	-	1	-
Stimulant Crop..	1	853	-
Chat.....	1	2	-
Coffee.....	-	851	-

TABLE 4.4.1.5F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Somale

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	-	65	-
Grains Crops....	-	63	-
Cereals.....	-	63	-
Maize.....	-	63	-
Root Crops.....	-	-	-
Other Root C...	-	-	-
Permanet crops...	-	1	-
Fruit Crops.....	-	1	-

TABLE 4.4.1.6F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BOTH SEASONS

Benshangul-Gumuz

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	2	20	-
Grains Crops....	2	9	-
Cereals.....	-	8	-
Maize.....	-	8	-
Oile seed.....	2	1	-
Sesame.....	2	1	-
Permanet crops...	-	11	-
Fruit Crops.....	-	11	-
Other	-	6	-
Other Fruit....	-	5	-

TABLE 4.4.1.7F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BOTH SEASONS

(S.N.N.P.R)

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	117	603	6413
Grains Crops....	112	505	207
Cereals.....	108	500	9
Teff.....	-	17	-
Wheat.....	-	20	-
Maize.....	108	462	8
Pulse.....	3	5	-
Horse beans...	-	1	-
Haricot beans.	3	4	-
Other Grain....	1	-	198
Vegetables	-	17	-
Tomatoes.....	-	11	-
Other Vege.....	-	6	-
Root Crops.....	-	30	-
Onion.....	-	20	-
Potatoes.....	-	9	-
Other Root C...	-	2	-
Permanet crops...	5	51	6206
Fruit Crops.....	-	47	-
Oranges.....	-	45	-
Other	-	2	-
Stimulant Crop..	2	-	6205
Coffee.....	2	-	6205
Other Permanent.	3	4	1
Enset.....	1	-	-
Sugar Cane.....	2	4	1

TABLE 1.4.1.1D. TOTAL DAMAGED CROPLAND AREA BY CAUSES AND REGION DAMAGE FOR LARGE AND MEDIUM SCALE FARMS 2001/02(1994 E.C.), BOTH SEASON. OTHER FARMS

TYPE OF CROP DAMAGE	Total damaged crop land area in hectares									
		REGIONS								
	Country Level Total	Tigray	Afar	Amhara	Oromiya	Somale	Bensh-Gum	SNNPR	Gambela	Addis A.
Total	18524	117	-	2770	15359	26	14	239	-	-
Percent	100	0.63	-	14.95	82.91	0.14	0.08	1.29	-	-
Crop Disease.....	32	-	-	6	13	8	-	5	-	-
Percent	0.17		-	18.75	40.63	25.00	-	15.63	-	-
Frost of Flood.....	683	116	-	54	473	1	10	30	-	-
Percent	3.69	16.98	-	7.91	69.25	0.15	1.46	4.39	-	-
Locust.....	30	-	-	12	10	4	-	4	-	-
Percent	0.16	-	-	40.00	33.33	13.33	-	13.33	-	-
Shortage of Rain....	142	-	-	21	98	1	1	21	-	-
Percent	0.77	-	-	14.79	69.01	0.70	0.70	14.79	-	-
Too Much Rain.....	139	-	-	6	128	-	1	5	-	-
Percent	0.75	-	-	4.32	92.09		0.72	3.60	-	-
Wild Animals.....	-	-	-	-	-	-	-	-	-	-
Percent	-	-	-	-	-	-	-	-	-	-
Birds.....	140	1	-	19	10	-	-	110	-	-
Percent	0.76	0.71	-	13.57	7.14	-	-	78.57	-	-
Snow.....	-	-	-	-	-	-	-	-	-	-
Percent	-	-	-	-	-	-	-	-	-	-
Pests and Insects...	17358	-	-	2652	14627	12	2	64	-	-
Percent	93.71	-	-	15.28	84.27	0.07	0.01	0.37	-	-

TABLE 4.4.2.1 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), MEHER SEASON.

Ethiopia — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	53305	17631	100	1762	100	30074	100	17617	100
Grains Crops....	43912	9880	56.04	612	34.73	22366	74.37	10149	57.61
Cereals.....	38131	8761	49.69	532	30.19	20532	68.27	9567	54.31
Teff.....	736	38	0.22	7	0.4	351	1.17	161	0.91
Barley.....	257	31	0.18	-	-	171	0.57	130	0.74
Wheat.....	17786	6781	38.46	3	0.17	17655	58.71	7459	42.34
Maize.....	8798	1883	10.68	506	28.72	2218	7.38	1778	10.09
Sorghum.....	10477	6	0.03	12	0.68	99	0.33	25	0.14
Millet.....	41	-	-	-	-	15	0.05	-	-
Other Cereal..	36	22	0.12	5	0.28	23	0.08	13	0.07
Pulse.....	3881	653	3.7	5	0.28	1014	3.37	189	1.07
Horse beans...	2754	110	0.62	-	-	149	0.5	137	0.78
Field peas....	87	44	0.25	3	0.17	44	0.15	45	0.26
Haricot beans.	429	392	2.22	-	-	400	1.33	5	0.03
Chick peas....	55	4	0.02	2	0.11	-	-	-	-
Lentiles.....	41	-	-	-	-	2	0.01	-	-
Vetch.....	42	-	-	-	-	-	-	-	-
Soya.....	430	100	0.57	-	-	413	1.37	-	-
Fenugreek.....	18	-	-	1	0.06	3	0.01	-	-
Other Pulse...	24	3	0.02	-	-	3	0.01	3	0.02
Oile seed.....	1780	426	2.42	7	0.4	750	2.49	324	1.84
Nueg.....	766	2	0.01	-	-	7	0.02	2	0.01
Ground nuts...	11	-	-	-	-	1	-	-	-
Sesame.....	251	1	0.01	-	-	5	0.02	-	-
Rapeseed.....	724	409	2.32	-	-	724	2.41	315	1.79
Other Oile S..	28	14	0.08	7	0.4	13	0.04	8	0.05
Other Grain....	120	40	0.23	68	3.86	70	0.23	69	0.39
Vegetables.....	266	237	1.34	252	14.3	240	0.8	155	0.88
Lettuce.....	57	57	0.32	57	3.23	57	0.19	-	-
Cabbage.....	37	35	0.2	36	2.04	36	0.12	17	0.1
Tomatoes.....	118	116	0.66	117	6.64	116	0.39	114	0.65
Green pepper...	14	8	0.05	14	0.79	8	0.03	8	0.05
Other Vege.....	40	21	0.12	28	1.59	23	0.08	15	0.09
Root Crops.....	215	116	0.66	163	9.25	144	0.48	123	0.7
Carrot.....	12	11	0.06	12	0.68	1	-	-	-
Onion.....	123	87	0.49	101	5.73	88	0.29	87	0.49
Potatoes.....	42	5	0.03	31	1.76	40	0.13	34	0.19
Other Root C...	37	13	0.07	19	1.08	14	0.05	2	0.01
Permanet crops...	8912	7398	41.96	735	41.71	7324	24.35	7190	40.81
Fruit Crops.....	418	250	1.42	171	9.7	165	0.55	97	0.55
Avocado.....	74	67	0.38	3	0.17	32	0.11	-	-
Bannas.....	118	54	0.31	4	0.23	4	0.01	-	-
Mangos.....	36	-	-	12	0.68	-	-	-	-
Oranges.....	73	66	0.37	62	3.52	61	0.2	59	0.33
Other	38	34	0.19	36	2.04	28	0.09	28	0.16
Other Fruit....	78	29	0.16	53	3.01	39	0.13	10	0.06
Stimulant Crop..	8263	7044	39.95	552	31.33	7143	23.75	7093	40.26
Chat.....	25	-	-	15	0.85	4	0.01	4	0.02
Coffee.....	8217	7042	39.94	530	30.08	7136	23.73	7089	40.24
Other Stimulant	21	2	0.01	7	0.4	2	0.01	-	-
Other Permanent.	231	104	0.59	12	0.68	16	0.05	-	-
Enset.....	31	-	-	-	-	4	0.01	-	-
Sugar Cane.....	84	-	-	8	0.45	10	0.03	-	-
Other	104	104	0.59	-	-	-	-	-	-
Other Perm.....	13	-	-	4	0.23	1	-	-	-

TABLE 4.4.2.2 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), MEHER SEASON.

Tigray — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	85	81	100	75	100	81	100	17	100
Grains Crops....	15	15	18.52	5	6.67	12	14.81	14	82.35
Cereals.....	12	12	14.81	5	6.67	12	14.81	11	64.71
Other Cereal..	12	12	14.81	5	6.67	12	14.81	11	64.71
Pulse.....	3	3	3.7	-	-	-	-	3	17.65
Other Pulse...	3	3	3.7	-	-	-	-	3	17.65
Vegetables.....	57	57	70.37	57	76	57	70.37	-	-
Lettuce.....	57	57	70.37	57	76	57	70.37	-	-
Permanet crops...	13	9	11.11	13	17.33	12	14.81	3	17.65
Fruit Crops.....	13	9	11.11	13	17.33	12	14.81	3	17.65

TABLE 4.4.2.3 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), MEHER SEASON.

Amhara — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	7301	85	100	67	100	331	100	59	100
Grains Crops....	7231	54	63.53	17	25.37	314	94.86	49	83.05
Cereals.....	4464	47	55.29	12	17.91	297	89.73	41	69.49
Teff.....	315	6	7.06	7	10.45	132	39.88	16	27.12
Barley.....	56	1	1.18	-	-	2	0.6	3	5.08
Wheat.....	192	24	28.24	2	2.99	116	35.05	6	10.17
Maize.....	17	5	5.88	4	5.97	9	2.72	2	3.39
Sorghum.....	3864	4	4.71	-	-	29	8.76	14	23.73
Millet.....	11	-	-	-	-	1	0.3	-	-
Other Cereal..	10	8	9.41	-	-	10	3.02	-	-
Pulse.....	2742	7	8.24	5	7.46	14	4.23	7	11.86
Horse beans...	2568	-	-	-	-	6	1.81	4	6.78
Field peas....	16	3	3.53	3	4.48	3	0.91	3	5.08
Chick peas....	55	4	4.71	2	2.99	-	-	-	-
Lentiles.....	41	-	-	-	-	2	0.6	-	-
Vetch.....	42	-	-	-	-	-	-	-	-
Fenugreek.....	18	-	-	1	1.49	3	0.91	-	-
Other Pulse...	2	-	-	-	-	-	-	-	-
Oile seed.....	24	-	-	-	-	3	0.91	1	1.69
Nueg.....	16	-	-	-	-	-	-	-	-
Sesame.....	3	-	-	-	-	3	0.91	-	-
Other Oile S..	5	-	-	-	-	-	-	1	1.69
Other Grain....	1	-	-	-	-	-	-	-	-
Vegetables.....	13	9	10.59	9	13.43	7	2.11	2	3.39
Other Vege.....	13	9	10.59	9	13.43	6	1.81	1	1.69
Root Crops.....	30	14	16.47	27	40.3	4	1.21	1	1.69
Carrot.....	12	11	12.94	12	17.91	1	0.3	-	-
Onion.....	13	1	1.18	13	19.4	2	0.6	1	1.69
Other Root C...	6	2	2.35	3	4.48	2	0.6	-	-
Permanet crops...	27	8	9.41	14	20.9	6	1.81	7	11.86
Fruit Crops.....	12	6	7.06	11	16.42	6	1.81	7	11.86
Other	1	-	-	1	1.49	-	-	-	-
Other Fruit....	12	6	7.06	10	14.93	6	1.81	7	11.86
Stimulant Crop..	8	2	2.35	2	2.99	-	-	-	-
Other Stimulant	8	2	2.35	2	2.99	-	-	-	-
Other Permanent.	7	-	-	1	1.49	-	-	-	-
Other Perm.....	7	-	-	1	1.49	-	-	-	-

TABLE 4.4.2.4 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), MEHER SEASON.

Oromia IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	37040	10102	100	1198	100	22205	100	10556	100
Grains Crops....	34941	9088	89.96	368	30.72	20951	94.35	9419	89.23
Cereals.....	32529	8022	79.41	361	30.13	19477	87.71	8922	84.52
Teff.....	339	24	0.24	-	-	177	0.8	82	0.78
Barley.....	190	30	0.3	-	-	166	0.75	123	1.17
Wheat.....	17557	6749	66.81	1	0.08	17511	78.86	7425	70.34
Maize.....	7905	1219	12.07	358	29.88	1539	6.93	1286	12.18
Sorghum.....	6509	-	-	2	0.17	70	0.32	7	0.07
Millet.....	30	-	-	-	-	15	0.07	-	-
Pulse.....	831	644	6.37	-	-	728	3.28	174	1.65
Horse beans...	170	110	1.09	-	-	141	0.63	133	1.26
Field peas....	71	41	0.41	-	-	41	0.18	42	0.4
Haricot beans.	414	392	3.88	-	-	392	1.77	-	-
Soya.....	167	100	0.99	-	-	150	0.68	-	-
Other Pulse...	9	-	-	-	-	3	0.01	-	-
Oile seed.....	1579	422	4.18	7	0.58	745	3.36	322	3.05
Nueg.....	729	-	-	-	-	7	0.03	-	-
Ground nuts...	11	-	-	-	-	1	-	-	-
Sesame.....	99	-	-	-	-	-	-	-	-
Rapeseed.....	724	409	4.05	-	-	724	3.26	315	2.98
Other Oile S..	16	12	0.12	7	0.58	13	0.06	7	0.07
Other Grain....	2	-	-	-	-	1	-	1	0.01
Vegetables.....	171	156	1.54	163	13.61	158	0.71	135	1.28
Cabbage.....	37	35	0.35	36	3.01	36	0.16	17	0.16
Tomatoes.....	107	105	1.04	106	8.85	104	0.47	103	0.98
Green pepper...	14	8	0.08	14	1.17	8	0.04	8	0.08
Other Vege.....	14	8	0.08	8	0.67	10	0.05	7	0.07
Root Crops.....	134	74	0.73	98	8.18	101	0.45	85	0.81
Onion.....	89	66	0.65	69	5.76	67	0.3	66	0.63
Potatoes.....	26	-	-	20	1.67	24	0.11	18	0.17
Other Root C...	19	9	0.09	9	0.75	10	0.05	-	-
Permanet crops...	1794	784	7.76	569	47.5	995	4.48	917	8.69
Fruit Crops.....	140	72	0.71	59	4.92	71	0.32	32	0.3
Avocado.....	35	33	0.33	3	0.25	31	0.14	-	-
Bannas.....	18	2	0.02	3	0.25	4	0.02	-	-
Mangos.....	36	-	-	12	1	-	-	-	-
Oranges.....	24	19	0.19	17	1.42	17	0.08	14	0.13
Other	18	16	0.16	17	1.42	17	0.08	17	0.16
Other Fruit....	8	2	0.02	7	0.58	2	0.01	1	0.01
Stimulant Crop..	1633	712	7.05	508	42.4	922	4.15	885	8.38
Chat.....	25	-	-	15	1.25	4	0.02	4	0.04
Coffee.....	1605	712	7.05	493	41.15	917	4.13	881	8.35
Other Stimulant	3	-	-	-	-	1	-	-	-
Other Permanent.	21	-	-	2	0.17	2	0.01	-	-
Enset.....	16	-	-	-	-	1	-	-	-
Other Perm.....	6	-	-	2	0.17	1	-	-	-

TABLE 4.4.2.5 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), MEHER SEASON.

Somale — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	74	17	100	44	100	17	100	-	-
Grains Crops....	31	10	58.82	10	22.73	1	5.88	-	-
Cereals.....	31	10	58.82	10	22.73	1	5.88	-	-
Maize.....	15	10	58.82	-	-	1	5.88	-	-
Sorghum.....	14	-	-	10	22.73	-	-	-	-
Other Cereal..	2	-	-	-	-	-	-	-	-
Vegetables.....	6	-	-	5	11.36	-	-	-	-
Root Crops.....	5	-	-	5	11.36	-	-	-	-
Other Root C...	5	-	-	5	11.36	-	-	-	-
Permanet crops...	32	7	41.18	24	54.55	16	94.12	-	-
Fruit Crops.....	26	7	41.18	18	40.91	16	94.12	-	-
Other Stimulant	5	-	-	5	11.36	-	-	-	-
Other Permanent.	1	-	-	1	2.27	-	-	-	-

TABLE 4.4.2.6 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), MEHER SEASON.

Benshangul-Gumuz — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	422	24	100	11	100	286	100	4	100
Grains Crops....	399	13	54.17	-	-	275	96.15	4	100
Cereals.....	100	10	41.67	-	-	9	3.15	2	50
Maize.....	19	7	29.17	-	-	8	2.8	-	-
Sorghum.....	74	2	8.33	-	-	-	-	-	-
Other Cereal..	7	1	4.17	-	-	1	0.35	2	50
Pulse.....	264	-	-	-	-	263	91.96	-	-
Soya.....	263	-	-	-	-	263	91.96	-	-
Other Pulse...	1	-	-	-	-	-	-	-	-
Oile seed.....	35	3	12.5	-	-	3	1.05	2	50
Nueg.....	22	2	8.33	-	-	-	-	2	50
Sesame.....	13	1	4.17	-	-	3	1.05	-	-
Permanet crops...	23	11	45.83	11	100	11	3.85	-	-
Fruit Crops.....	21	11	45.83	11	100	11	3.85	-	-
Other	6	6	25	6	54.55	6	2.1	-	-
Other Fruit....	15	5	20.83	5	45.45	5	1.75	-	-
Stimulant Crop..	2	-	-	-	-	-	-	-	-

TABLE 4.4.2.7 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), MEHER SEASON.

(S.N.N.P.R) IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	8358	7322	100	367	100	7156	100	6964	100
Grains Crops....	1273	699	9.55	213	58.04	815	11.39	646	9.28
Cereals.....	977	659	9	145	39.51	736	10.29	573	8.23
Teff.....	82	9	0.12	-	-	43	0.6	63	0.9
Barley.....	12	-	-	-	-	3	0.04	4	0.06
Wheat.....	37	8	0.11	-	-	28	0.39	29	0.42
Maize.....	824	642	8.77	145	39.51	662	9.25	473	6.79
Sorghum.....	16	-	-	-	-	-	-	4	0.06
Other Cereal..	5	-	-	-	-	-	-	-	-
Pulse.....	42	-	-	-	-	10	0.14	5	0.07
Horse beans...	16	-	-	-	-	2	0.03	-	-
Haricot beans.	15	-	-	-	-	7	0.1	5	0.07
Other Pulse...	10	-	-	-	-	-	-	-	-
Oile seed.....	137	-	-	-	-	-	-	-	-
Sesame.....	136	-	-	-	-	-	-	-	-
Other Oile S..	1	-	-	-	-	-	-	-	-
Other Grain....	117	40	0.55	68	18.53	69	0.96	68	0.98
Vegetables.....	19	15	0.2	18	4.9	18	0.25	18	0.26
Tomatoes.....	12	11	0.15	11	3	11	0.15	11	0.16
Other Vege.....	7	3	0.04	7	1.91	7	0.1	7	0.1
Root Crops.....	45	28	0.38	33	8.99	39	0.54	37	0.53
Onion.....	21	20	0.27	20	5.45	20	0.28	20	0.29
Potatoes.....	17	5	0.07	11	3	16	0.22	16	0.23
Other Root C...	8	3	0.04	2	0.54	3	0.04	2	0.03
Permanet crops...	7021	6580	89.87	103	28.07	6284	87.81	6263	89.93
Fruit Crops.....	206	146	1.99	58	15.8	50	0.7	55	0.79
Avocado.....	39	34	0.46	1	0.27	1	0.01	-	-
Bannas.....	100	52	0.71	-	-	1	0.01	-	-
Oranges.....	48	47	0.64	45	12.26	45	0.63	45	0.65
Other	12	12	0.16	12	3.27	4	0.06	10	0.14
Other Fruit....	6	-	-	1	0.27	-	-	-	-
Stimulant Crop..	6613	6330	86.45	37	10.08	6220	86.92	6208	89.14
Coffee.....	6612	6330	86.45	37	10.08	6220	86.92	6208	89.14
Other Stimulant	2	-	-	-	-	-	-	-	-
Other Permanent.	202	104	1.42	8	2.18	14	0.2	-	-
Enset.....	15	-	-	-	-	4	0.06	-	-
Sugar Cane.....	84	-	-	8	2.18	10	0.14	-	-
Other	104	104	1.42	-	-	-	-	-	-

TABLE 4.4.2.8 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), MEHER SEASON.

Gambela IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	23	2	100	-	-	-	-	18	100
Grains Crops....	23	2	100	-	-	-	-	18	100
Cereals.....	18	-	-	-	-	-	-	18	100
Maize.....	18	-	-	-	-	-	-	18	100
Oile seed.....	5	2	100	-	-	-	-	-	-

TABLE 4.4.2.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASON.
Ethiopia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	30074	328	2182
Grains Crops....	22366	115	2146
Cereals.....	20532	95	538
Teff.....	351	17	123
Barley.....	171	-	131
Wheat.....	17655	11	114
Maize.....	2218	28	105
Sorghum.....	99	39	53
Millet.....	15	1	11
Other Cereal..	23	-	1
Pulse.....	1014	10	877
Horse beans...	149	5	138
Field peas....	44	4	41
Haricot beans.	400	-	383
Lentiles.....	2	-	-
Soya.....	413	-	313
Fenugreek.....	3	-	-
Other Pulse...	3	2	1
Oile seed.....	750	8	731
Nueg.....	7	5	2
Ground nuts...	1	1	-
Sesame.....	5	3	-
Rapeseed.....	724	-	724
Other Oile S..	13	-	5
Other Grain....	70	1	-
Vegetables.....	240	65	19
Lettuce.....	57	57	-
Cabbage.....	36	-	18
Tomatoes.....	116	-	-
Green pepper...	8	-	-
Other Vege.....	23	8	-
Root Crops.....	144	6	14
Carrot.....	1	1	-
Onion.....	88	2	-
Potatoes.....	40	1	12
Other Root C...	14	3	1
Permanet crops...	7324	142	3
Fruit Crops.....	165	63	1
Avocado.....	32	32	-
Bannas.....	4	3	1
Oranges.....	61	3	-
Other	28	3	-
Other Fruit....	39	22	-
Stimulant Crop..	7143	73	2
Chat.....	4	1	-
Coffee.....	7136	70	2
Other Stimulant	2	2	-
Other Permanent.	16	6	1
Enset.....	4	3	-
Sugar Cane.....	10	3	1
Other Perm.....	1	1	-

TABLE 4.4.2.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASON.

Tigray

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	82	69	-
Grains Crops....	12	-	-
Cereals.....	12	-	-
Other Cereal..	12	-	-
Vegetables.....	57	57	-
Lettuce.....	57	57	-
Permanet crops...	12	12	-
Fruit Crops.....	12	12	-

TABLE 4.4.2.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASON.

Amhara

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	331	72	5
Grains Crops....	314	57	5
Cereals.....	297	48	2
Teff.....	132	10	2
Barley.....	2	-	-
Wheat.....	116	2	-
Maize.....	9	7	-
Sorghum.....	29	29	-
Millet.....	1	-	-
Other Cereal..	10	-	-
Pulse.....	14	6	3
Horse beans...	6	3	3
Field peas....	3	3	-
Lentiles.....	2	-	-
Fenugreek.....	3	-	-
Oile seed.....	3	3	-
Sesame.....	3	3	-
Vegetables.....	7	5	-
Other Vege.....	6	5	-
Root Crops.....	4	4	-
Carrot.....	1	1	-
Onion.....	2	1	-
Other Root C...	2	2	-
Permanet crops...	6	6	-
Fruit Crops.....	6	6	-

TABLE 4.4.2.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASON.

Oromia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	22204	157	1773
Grains Crops....	20951	53	1747
Cereals.....	19477	42	414
Teff.....	177	6	97
Barley.....	166	-	128
Wheat.....	17511	9	107
Maize.....	1539	16	18
Sorghum.....	70	10	53
Millet.....	15	1	11
Pulse.....	728	5	602
Horse beans...	141	2	134
Field peas....	41	1	41
Haricot beans.	392	-	376
Soya.....	150	-	50
Other Pulse...	3	2	1
Oile seed.....	745	6	731
Nueg.....	7	5	2
Ground nuts...	1	1	-
Rapeseed.....	724	-	724
Other Oile S..	13	-	5
Other Grain....	1	1	-
Vegetables.....	158	2	19
Cabbage.....	36	-	18
Tomatoes.....	104	-	-
Green pepper...	8	-	-
Other Vege.....	10	2	-
Root Crops.....	101	1	6
Onion.....	67	-	-
Potatoes.....	24	-	5
Other Root C...	10	1	1
Permanet crops...	995	100	1
Fruit Crops.....	71	38	1
Avocado.....	31	31	-
Bannas.....	4	3	1
Oranges.....	17	3	-
Other	17	-	-
Other Fruit....	2	2	-
Stimulant Crop..	922	61	-
Chat.....	4	1	-
Coffee.....	917	59	-
Other Stimulant	1	1	-
Other Permanent.	2	1	-
Enset.....	1	-	-
Other Perm.....	1	1	-

TABLE 4.4.2.5F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASON.

Somali

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	17	4	-
Grains Crops....	1	-	-
Cereals.....	1	-	-
Maize.....	1	-	-
Permanet crops...	16	4	-
Fruit Crops.....	16	4	-

TABLE 4.4.2.6F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASON.

Benshangul-Gumuz

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	285	-	264
Grains Crops....	274	-	264
Cereals.....	9	-	1
Maize.....	8	-	-
Other Cereal..	1	-	1
Pulse.....	263	-	263
Soya.....	263	-	263
Oile seed.....	3	-	-
Sesame.....	3	-	-
Permanet crops...	11	-	-
Fruit Crops.....	11	-	-
Other	6	-	-
Other Fruit....	5	-	-

TABLE 4.4.2.7F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASON. (S.N.N.P.R)

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	7155	26	141
Grains Crops....	814	5	131
Cereals.....	736	5	122
Teff.....	43	1	25
Barley.....	3	-	3
Wheat.....	28	-	8
Maize.....	662	4	87
Pulse.....	10	-	9
Horse beans...	2	-	1
Haricot beans.	7	-	7
Other Grain....	69	-	-
Vegetables.....	18	-	-
Tomatoes.....	11	-	-
Other Vege.....	7	-	-
Root Crops.....	39	1	8
Onion.....	20	-	-
Potatoes.....	16	1	7
Other Root C...	3	-	1
Permanet crops...	6284	20	3
Fruit Crops.....	50	3	-
Avocado.....	1	1	-
Bannas.....	1	1	-
Oranges.....	45	-	-
Other	4	2	-
Stimulant Crop..	6220	11	2
Coffee.....	6220	11	2
Other Permanent.	14	5	1
Enset.....	4	3	-
Sugar Cane.....	10	3	1

TABLE 4.4.2.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASON.

Ethiopia

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	10141	11067	6356
Grains Crops....	10133	9852	120
Cereals.....	10130	9724	44
Teff.....	6	194	11
Barley.....	2	38	1
Wheat.....	10010	7515	4
Maize.....	112	1954	19
Sorghum.....	-	5	2
Millet.....	1	3	-
Other Cereal..	-	15	7
Pulse.....	-	127	-
Horse beans...	-	6	-
Haricot beans.	-	16	-
Lentiles.....	-	2	-
Soya.....	-	100	-
Fenugreek.....	-	3	-
Other Pulse...	-	-	-
Oile seed.....	2	1	7
Sesame.....	2	1	-
Other Oile S..	1	-	7
Other Grain....	1	-	68
Vegetables.....	1	146	10
Cabbage.....	-	17	-
Tomatoes.....	-	114	1
Green pepper...	-	8	1
Other Vege.....	-	6	8
Root Crops.....	1	121	2
Onion.....	-	85	1
Potatoes.....	1	26	-
Other Root C...	-	10	-
Permanet crops...	6	948	6224
Fruit Crops.....	-	91	11
Bannas.....	-	1	-
Oranges.....	-	59	-
Other	-	24	-
Other Fruit....	-	7	11
Stimulant Crop..	3	854	6212
Chat.....	1	2	-
Coffee.....	2	851	6212
Other Permanent.	3	4	1
Enset.....	1	-	-
Sugar Cane.....	2	4	1

TABLE 4.4.2.2F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASON.

Tigray

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	-	5	7
Grains Crops....	-	5	7
Cereals.....	-	5	7

TABLE 4.4.2.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASON.

Amhara

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	6	242	6
Grains Crops....	6	242	5
Cereals.....	6	237	5
Teff.....	3	113	4
Barley.....	-	2	-
Wheat.....	3	111	
Maize.....	-	1	1
Millet.....	-	1	-
Other Cereal..	-	10	-
Pulse.....	-	5	-
Lentiles.....	-	2	-
Fenugreek.....	-	3	-

TABLE 4.4.2.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASON.

Oromia

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	10021	10204	50
Grains Crops....	10019	9100	31
Cereals.....	10018	8978	24
Teff.....	3	64	8
Barley.....	2	35	1
Wheat.....	10007	7384	3
Maize.....	6	1488	11
Sorghum.....	-	5	2
Millet.....	1	2	-
Pulse.....	-	121	-
Horse beans...	-	5	-
Haricot beans.	-	16	-
Soya.....	-	100	-
Other Pulse...	-	-	-
Oile seed.....	1	-	7
Other Oile S..	1	-	7
Vegetables.....	-	128	9
Cabbage.....	-	17	-
Tomatoes.....	-	103	1
Green pepper...	-	8	1
Other Vege.....	-	-	8
Root Crops.....	1	91	2
Onion.....	-	66	1
Potatoes.....	1	18	-
Other Root C...	-	8	-
Permanet crops...	1	885	8
Fruit Crops.....	-	32	-
Bannas.....	-	1	-
Oranges.....	-	14	-
Other	-	16	-
Other Fruit....	-	1	-
Stimulant Crop..	1	853	7
Chat.....	1	2	-
Coffee.....	-	851	7

TABLE 4.4.2.5F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASON.

Somale

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	-	2	-
Grains Crops....	-	1	-
Cereals.....	-	1	-
Teff.....	-	-	-
Barley.....	-	-	-
Wheat.....	-	-	-
Maize.....	-	1	-
Permanet crops...	-	1	-
Fruit Crops.....	-	1	-
Other Fruit....	-	1	-

TABLE 4.4.2.6F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASON.

Benshangul-Gumuz

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	2	20	-
Grains Crops....	2	9	-
Cereals.....	-	8	-
Maize.....	-	8	-
Oile seed.....	2	1	-
Sesame.....	2	1	-
Permanet crops...	-	11	-
Fruit Crops.....	-	11	-
Other	-	6	-
Other Fruit....	-	5	-

TABLE 4.4.2.7F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), MAIN(MEHER) SEASON.

(S.N.N.P.R)

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	112	593	6283
Grains Crops....	107	495	77
Cereals.....	106	495	9
Teff.....	-	17	-
Wheat.....	-	20	-
Maize.....	106	457	8
Pulse.....	-	1	-
Horse beans...	-	1	-
Other Grain....	1	-	68
Vegetables.....	-	17	-
Tomatoes.....	-	11	-
Other Vege.....	-	6	-
Root Crops.....	-	30	-
Onion.....	-	20	-
Potatoes.....	-	8	-
Other Root C...	-	2	-
Permanet crops...	5	51	6206
Fruit Crops.....	-	47	-
Oranges.....	-	45	-
Other	-	2	-
Stimulant Crop..	2	-	6205
Coffee.....	2	-	6205
Other Permanent.	3	4	1
Enset.....	1	-	-
Sugar Cane.....	2	4	1

TABLE 1.4.2.1D. TOTAL DAMAGED CROPLAND AREA BY CAUSES AND REGION DAMAGE FOR LARGE AND MEDIUM SCALE FARMS 2001/02(1994 E.C.), MEHER SEASON. OTHER FARMS

TYPE OF CROP DAMAGE	Total damaged crop land area in hectares									
	Country Level Total	REGIONS								
		Tigray	Afar	Amhara	Oromiya	Somale	Bensh-Gum	SNNPR	Gambela	Addis A.
Total	18462	116	-	2751	15330	18	13	231	-	-
Percent	100	0.63	-	14.90	83.04	0.10	0.07	1.25	-	-
Crop Disease.....	30	-	-	5	12	8	-	5	-	-
Percent	0.16		-	16.67	40.00	26.67	-	16.67	-	-
Frost of Flood.....	673	115	-	52	468	1	10	27	-	-
Percent	3.65	17.09	-	7.73	69.54	0.15	1.49	4.01	-	-
Locust.....	26	-	-	12	9	-	-	4	-	-
Percent	0.14		-	46.15	34.62	-	-	15.38	-	-
Shortage of Rain....	133	-	-	16	95	1	-	20	-	-
Percent	0.72		-	12.03	71.43	0.75	-	15.04	-	-
Too Much Rain.....	138	-	-	5	128	-	1	4	-	-
Percent	0.75	-	-	0.03	0.69	-	0.01	0.02	-	-
Wild Animals.....	-	-	-	-	-	-	-	-	-	-
Percent	-	-	-	-	-	-	-	-	-	-
Birds.....	140	1	-	19	10	-	-	110	-	-
Percent	0.76	0.71	-	13.57	7.14	-	-	78.57	-	-
Snow.....	-	-	-	-	-	-	-	-	-	-
Percent	-	-	-	-	-	-	-	-	-	-
Pests and Insects...	17322	-	-	2642	14608	8	2	61	-	-
Percent	93.83	-	-	15.25	84.33	0.05	0.01	0.35	-	-

TABLE 4.4.3.1 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), BELG SEASON.

Ethiopia — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	Improved seed applied %	Irrigated Area	Irrigated %	Fertilizer Applied Area	Fertilizer Applied %	Pesticide Applied Area	Pesticide Applied %
TOTAL.....	1597	358	22.42	549	34.38	468	29.3	400	25.05
Grains Crops....	1132	175	15.46	381	33.66	341	30.12	286	25.27
Cereals.....	927	165	17.8	230	24.81	189	20.39	153	16.5
Teff.....	33	2	6.06	-	-	3	9.09	7	21.21
Barley.....	24	-	-	3	12.5	-	-	-	-
Maize.....	845	162	19.17	225	26.63	182	21.54	146	17.28
Other Cereal..	25	1	4	3	12	4	16	-	-
Pulse.....	75	10	13.33	21	28	22	29.33	3	4
Haricot beans.	46	7	15.22	-		17	36.96	-	
Other Pulse...	29	3	10.34	21	72.41	5	17.24	3	10.34
Other Grain....	130	-	-	130	100	130	100	130	100
Vegetables.....	159	93	58.49	103	64.78	75	47.17	75	47.17
Lettuce.....	1	-	-	1	100	-	-	-	-
Tomatoes.....	73	73	100	73	100	73	100	72	98.63
Green pepper...	55	-	-	11	20	-	-	-	-
Swiss chard....	1	-	-	1	100	-	-	-	-
Other Vege.....	30	19	63.33	18	60	2	6.67	3	10
Root Crops.....	305	90	29.51	64	20.98	52	17.05	39	12.79
Carrot.....	12	11	91.67	1	8.33	-	-	-	-
Onion.....	61	51	83.61	33	54.1	31	50.82	30	49.18
Potatoes.....	15	-	-	-	-	6	40	-	-
Garlic.....	166	-	-	-	-	-	-	-	-
Other Root C...	51	27	52.94	30	58.82	15	29.41	9	17.65
Permanet crops...	1	-	-	1	100	-	-	-	-
Fruit Crops.....	1	-	-	1	100	-	-	-	-

TABLE 4.4.3.2 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), BELG SEASON.

Tigray — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	Improved seed applied %	Irrigated Area	Irrigated %	Fertilizer Applied Area	Fertilizer Applied %	Pesticide Applied Area	Pesticide Applied %
TOTAL.....	3	1	33.33	3	100	-	-	-	-
Vegetables.....	1	1	100	1	100	-	-	-	-
Root Crops.....	2	-	-	2	100	-	-	-	-

TABLE 4.4.3.3 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), BELG SEASON.

Amhara — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	Improved seed applied %	Irrigated Area	Irrigated %	Fertilizer Applied Area	Fertilizer Applied %	Pesticide Applied Area	Pesticide Applied %
TOTAL.....	97	30	30.93	60	61.86	21	21.65	12	12.37
Grains Crops....	62	9	14.52	31	50	11	17.74	4	6.45
Cereals.....	43	6	13.95	18	41.86	6	13.95	1	2.33
Barley.....	24	-	-	3	12.5	-	-	-	-
Maize.....	14	6	42.86	12	85.71	5	35.71	1	7.14
Other Cereal..	5	-	-	3	60	1	20	-	-
Pulse.....	19	3	15.79	13	68.42	5	26.32	3	15.79
Other Pulse...	19	3	15.79	13	68.42	5	26.32	3	15.79
Vegetables.....	9	7	77.78	8	88.89	1	11.11	3	33.33
Root Crops.....	26	14	53.85	21	80.77	9	34.62	5	19.23

TABLE 4.4.3.4 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), BELG SEASON.

Oromia — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	810	198	24.44	210	25.93	203	25.06	183	22.59
Grains Crops....	684	93	13.6	90	13.16	97	14.18	81	11.84
Cereals.....	667	86	12.89	90	13.49	93	13.94	81	12.14
Teff.....	15	2	13.33	-	-	3	20	3	20
Maize.....	637	83	13.03	90	14.13	87	13.66	78	12.24
Other Cereal..	16	1	6.25	-	-	3	18.75	-	-
Pulse.....	17	7	41.18	-	-	4	23.53	-	-
Haricot beans.	15	7	46.67	-	-	4	26.67	-	-
Other Pulse...	2	-	-	-	-	-	-	-	-
Vegetables.....	85	74	87.06	85	100	73	85.88	72	84.71
Tomatoes.....	73	73	100	73	100	73	100	72	98.63
Green pepper...	11	-	-	11	100	-	-	-	-
Other Vege.....	1	-	-	1	100	-	-	-	-
Root Crops.....	41	31	75.61	35	85.37	33	80.49	30	73.17
Onion.....	34	31	91.18	33	97.06	31	91.18	30	88.24
Other Root C...	6	-	-	2	33.33	2	33.33	-	-

TABLE 4.4.3.5 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), BELG SEASON.

Somale — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	114	50	43.86	103	90.35	66	57.89	71	62.28
Grains Crops....	100	47	47	89	89	63	63	67	67
Cereals.....	93	47	50.54	82	88.17	63	67.74	67	72.04
Maize.....	93	47	50.54	82	88.17	63	67.74	67	72.04
Pulse.....	7	-	-	7	100	-	-	-	-
Vegetables.....	8	-	-	8	100	-	-	-	-
Root Crops.....	5	3	60	5	100	3	60	4	80
Permanet crops...	1	-	-	1	100	-	-	-	-
Fruit Crops.....	1	-	-	1	100	-	-	-	-

TABLE 4.4.3.6 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), BELG SEASON.

Benshangul-Gumuz — IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	43	1	2.33	42	97.67	1	2.33	-	-
Grains Crops....	40	-	-	40	100	-	-	-	-
Cereals.....	40	-	-	40	100	-	-	-	-
Maize.....	40	-	-	40	100	-	-	-	-
Vegetables.....	1	-	-	1	100	-	-	-	-
Other Vege.....	1	-	-	1	100	-	-	-	-
Root Crops.....	2	1	50	1	50	1	50	-	-

TABLE 4.1 TOTAL CROPLAND AREA UNDER IMPROVED FARM MANAGEMENT PRACTICES BY TYPE OF CROP FOR OTHER(INSTITUTIONAL) FARMS, 2001/02 (1994 E.C.), BELG SEASON.

(S.N.N.P.R) IN HECTARES

Type of crop	Total crop Area	Improved seed applied Area	%	Irrigated Area	%	Fertilizer Applied Area	%	Pesticide Applied Area	%
TOTAL.....	532	78	14.66	132	24.81	176	33.08	134	25.19
Grains Crops....	246	26	10.57	131	53.25	170	69.11	134	54.47
Cereals.....	84	26	30.95	1	1.19	27	32.14	4	4.76
Teff.....	19	-	-	-	-	-	-	4	21.05
Maize.....	60	26	43.33	1	1.67	27	45	-	-
Other Cereal..	4	-	-	-	-	-	-	-	-
Pulse.....	32	-	-	-	-	13	40.63	-	-
Haricot beans.	31	-	-	-	-	13	41.94	-	-
Other Grain....	130	-	-	130	100	130	100	130	100
Vegetables.....	56	11	19.64	-	-	-	-	-	-
Green pepper...	44	-	-	-	-	-	-	-	-
Other Vege.....	11	11	100	-	-	-	-	-	-
Root Crops.....	230	41	17.83	1	0.43	6	2.61	-	-
Carrot.....	11	11	100	-	-	-	-	-	-
Onion.....	27	20	74.07	-	-	-	-	-	-
Potatoes.....	15	-	-	-	-	6	40	-	-
Garlic.....	166	-	-	-	-	-	-	-	-
Other Root C...	12	9	75	-	-	-	-	-	-

TABLE 4.4.3.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BELG SEASON.

Ethiopia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	468	27	40
Grains Crops....	341	20	31
Cereals.....	189	13	25
Teff.....	3	3	-
Maize.....	182	10	22
Other Cereal..	4	-	3
Pulse.....	22	7	6
Haricot beans.	17	4	6
Other Pulse...	5	3	-
Other Grain....	130	-	-
Vegetables.....	75	2	3
Tomatoes.....	73	-	3
Other Vege.....	2	1	-
Root Crops.....	52	5	7
Onion.....	31	-	-
Potatoes.....	6	-	5
Other Root C...	15	5	2

TABLE 4.4.3.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BELG SEASON.

Amhara

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	21	12	-
Grains Crops....	11	6	-
Cereals.....	6	3	-
Maize.....	5	3	-
Other Cereal..	1	-	-
Pulse.....	5	3	-
Other Pulse...	5	3	-
Vegetables.....	1	1	-
Root Crops.....	9	4	-

TABLE 4.4.3.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BELG SEASON.

Oromia

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	203	14	9
Grains Crops....	97	14	5
Cereals.....	93	10	5
Teff.....	3	3	-
Maize.....	87	7	2
Other Cereal..	3	-	3
Pulse.....	4	4	-
Haricot beans.	4	4	-
Vegetables.....	73	-	3
Tomatoes.....	73	-	3
Root Crops.....	33	-	2
Onion.....	31	-	-
Other Root C...	2	-	2

TABLE 4.4.3.5F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BELG SEASON.

Somale

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	66	-	1
Grains Crops....	63	-	1
Cereals.....	63	-	1
Maize.....	63	-	1
Root Crops.....	3	-	-

TABLE 4.4.3.6F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BELG SEASON.

Benshangul-Gumuz

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	1	1	-
Root Crops.....	1	1	-

TABLE 4.4.3.7F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BELG SEASON.
(S.N.N.P.R)

Type of crop	Total Fertilized Cropland Area in Hectars	Type of Fertilizer Applied	
		Natural fertilizer applied area inHectar	Dap Applied Area in Hectar
TOTAL.....	176	-	30
Grains Crops....	170	-	25
Cereals.....	27	-	19
Maize.....	27	-	19
Pulse.....	13	-	6
Haricot beans.	13	-	6
Other Grain....	130	-	-
Root Crops.....	6	-	5
Potatoes.....	6	-	5

TABLE 4.4.3.1F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BELG SEASON.
Ethiopia
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	13	257	132
Grains Crops....	6	155	130
Cereals.....	3	149	-
Maize.....	3	148	-
Other Cereal..	-	1	-
Pulse.....	3	6	-
Haricot beans.	3	4	-
Other Pulse...	-	2	-
Other Grain....	-	-	130
Vegetables.....	-	69	1
Tomatoes.....	-	69	1
Other Vege.....	-	-	-
Root Crops.....	6	33	1
Onion.....	-	30	1
Potatoes.....	-	1	-
Other Root C...	6	2	-

TABLE 4.4.3.3F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BELG SEASON.

Amhara
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	3	7	-
Grains Crops....	-	5	-
Cereals.....	-	3	-
Maize.....	-	2	-
Other Cereal..	-	1	-
Other Pulse...	-	2	-
Vegetables.....	-	-	-
Other Vege.....	-	-	-
Root Crops.....	3	2	-

TABLE 4.4.3.4F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BELG SEASON.

Oromia
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	1	178	2
Grains Crops....	1	78	-
Cereals.....	1	78	-
Maize.....	-	78	-
Vegetables.....	-	69	1
Tomatoes.....	-	69	1
Root Crops.....	-	30	1
Onion.....	-	30	1

TABLE 4.4.3.5F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BELG SEASON.

Somale
Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	3	62	-
Grains Crops....	-	62	-
Maize.....	-	62	-

TABLE 4.4.3.6F TOTAL FERTILIZED CROP LAND AREA BY CROP AND FERTILIZER TYPE FOR OTHER(INSTITUTIONAL) FARMS ,2001/02(1994 E.C.), BELG SEASON. (S.N.N.P.R)

Contd.

Type of crop	Type of Fertilizer Applied		
	UREA Hectars	DAP & UREA Hectars	OTHERS Hectars
TOTAL.....	5	10	130
Grains Crops....	5	9	130
Cereals.....	2	6	-
Maize.....	2	6	-
Pulse.....	3	4	-
Haricot beans.	3	4	-
Other Grain....	-	-	130
Root Crops.....	-	1	-
Potatoes.....	-	1	-

TABLE 1.4.3.1D. TOTAL DAMAGED CROPLAND AREA BY CAUSES AND REGION DAMAGE FOR LARGE AND MEDIUM SCALE FARMS 2001/02(1994 E.C.), BELG SEASON. OTHER FARMS

TYPE OF CROP DAMAGE		Total damaged crop land area in hectares									
			REGIONS								
		Country Level Total	Tigray	Afar	Amhara	Oromiya	Somale	Bensh-Gum	SNNPR	Gambela	Addis A.
Total		64	1	-	16	29	8	-	8	-	-
	Percent	100	1.56	-	25.00	45.31	12.50	-	12.50	-	-
Crop Disease.....		2	-	-	1	1	-	-	-	-	-
	Percent	3.13	-	-	50.00	50.00		-		-	-
Frost of Flood.....		10	1	-	1	5	-	-	3	-	-
	Percent	15.63	10.00	-	10.00	50.00		-	30.00	-	-
Locust.....		5	-	-	-	1	4	-	-	-	-
	Percent	7.81	-	-		20.00	80.00	-		-	-
Shortage of Rain....		9	-	-	4	3	-	-	1	-	-
	Percent	14.06	-	-	44.44	33.33		-	11.11	-	-
Too Much Rain.....		2	-	-	1	-	-	-	1	-	-
	Percent	3.13	-	-	50	-	-	-	50	-	-
Wild Animals.....		-	-	-	-	-	-	-	-	-	-
	Percent	-	-	-	-	-	-	-	-	-	-
Birds.....		-	-	-	-	-	-	-	-	-	-
	Percent	-	-	-	-	-	-	-	-	-	-
Snow.....		-	-	-	-	-	-	-	-	-	-
	Percent	-	-	-	-	-	-	-	-	-	-
Pests and Insects...		36	-	-	9	19	4	-	3	-	-
	Percent	56.25	-	-	25.00	52.78	11.11	-	8.33	-	-

Chapter V

FARM IMPLEMENT, MACHINERIES AND STORAGE FACILITIES

1. Introduction

The capacity to produce in the agricultural sector is enhanced by the development and use of new and improved agricultural farm implements and tools. Increase in productivity of farm output beyond subsistence production is closely related to the use of improved farm implements and tools.

Ethiopia is one of those developing countries with subsistence agricultural farm culture, among others, mainly characterized by the use of backward and traditional farm implements and tools, that resulted to hand to mouth and non market oriented production.

Among a number of measures that should be taken to improve the exiting subsistence agriculture in Ethiopia, the introduction of improved and new farm implements and machineries has a paramount importance.

To meet the goal desired, the availability of reliable and compressive statistical data on the existing farm implements and tools for use as a primary inputs for the design, implementation and evaluation of projects and programs targeted to supply farm implements, for areas identified in short of the implements as well as to introduce improved and new farm implements and machineries. To asses the situation an inventory of farm implements and machineries was done during 2001/02(1994E.C) Agricultural Census of large and medium scale farms and summary results are presented in this chapter.

Thus, in large and medium scale farms agricultural census data was collected on farm implements and machineries. These farm implements and machineries include implements used for clearing land, cultivation, harvesting, threshing and for other agricultural activities. In the census drought animals comprise animals engaged specifically in ploughing threshing and for transport. Replacement value was one of the variables covered by this census and it is defined as the amount it would cost to replace the farm implements, machineries, drought animals and storage facilities with those that are similar in terms of origin, age, quality or condition.

To under stand and simplify the discussions on he major findings of the census, farm implements, machineries and storage facilities are classified based on their major use as follows.

- ➔ Implements used for land clearing
  - Axes
  - Chopper (geiera)
  - Shovel
- ➔ Implements used for cultivation
  - Hoe
  - Mekes kesh
  - pick-axe
  - Tractor
- ➔ Implements used for harvesting
  - Sickle
  - Combiner

- ➔ Implements used for threshing
  - Hay –fork (metal or wood)
  - Winner (metal or wood)
- ➔ Other farm implements
  - Cart (hauling)
  - Sprayer (hand operated)
  - Sprayer (power operated)
  - Trying tool
  - Wheelbarrow
- ➔ Storage facilities
  - Gotera (local)
  - Stores

2 Number of Farm Implements, Machineries and Storage Facilities

The type, quality and quantity farm implements and machineries in use usually indicate the level of farming practice and agricultural development of a country. Hence, the results of the census will give back grounds to evaluate the farming system carried out in large and medium scale farms in Ethiopia. Following are brief discussion on the major finding of the 2000/02 (1994 E.C) census for large and medium scale farms on farm implement and machineries.

2.1 FarmImplements used for Land Clearing and Cultivation

As indicated in Summary Table-V.1, the total number of axes, chopper, shovel, bulldozers and graders that are mainly used for land clearing by large and medium scale farms were found to be 22,851; 19,625; 23,004; 33 and 11 in number, respectively. Out of these totals, those farm

implements owned by state farms were found to be 870 axes (3.1%), 1741 choppers (8.87%%), 7,913 shovel (34.40%), 18 bulldozers (54.55%) and 6 graders (54.55%) where as commercial farms owned 86.97% of axes, 65.66%of choppers, 39.58% of shovel, 39.39% of bulldozers and 18.18% of graders.

Furthermore as indicated in the same summary table, the total number of pickaxe, plow, harrow and tractors, which are mainly used for cultivation in large and medium scale farms were found to be 19,475; 1007; 2702; and 1,338 in number, rspectively. Out of these total 10.91% of pick axes, 14.40% of plow, 2.74% of harrow and 29.60% of tractors are reported to be owned by state farms. On the other hand, 53.11%, 76.86%, 66.14% and 62.03% of pick axes, plow, harrow and tractors, respectively, were reported to be the share of commercial farms. Other farms contributed the remaining 35.98%, 8.74%, 31.13% and 8.37%, respectively. For details, refer to Summary Table V.1.

2.2 Farm Implements and Machineries used for Harvesting and Threshing

Summary Table V.2 presents data on the total number, average replacement value and duration of service year for farm implements and machineries primarily used for harvesting and threshing by large and medium scale farms, as indicated in the summary table, a total number of 55,857; 105 and 7; reaper sickles, reaper power operated and tying tools, respectively, mainly used for harvesting were reported to be owned and used by large and medium scale farms. With respect to reaper sickles, state farms owned 2.75 %, commercial farms 87.16% and other farms.

Summary Table V.1 Total Number of Farm Implement Reported by Major Activity Used For Large and Medium Scale Farms, 2001/02(1994 E.C.)

Type of large and medium Scale Fams	Fam Implemens								
	Used for Land Clearing					Used for land cultivation			
	Axes	Chopper	Shovels	Buldozer	Grader	Pick-Axes	Plow	Harrow	Tractor
All Farms Total									
Number of farms reporting	1034	737	1452	16	5	1272	318	332	376
Number Reported	22851	19625	23004	33	11	19475	1007	2702	1338
Percent	100	100	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Average Number Per Farm	22	27	16	2	2	15	3	8	4
Duration of Service Year	5	6	6	13	13	7	8	7	8
State Farms									
Number of farms reporting	14	6	18	4	2	7	14	15	18
Number Reported	870	1741	7913	18	6	2124	145	74	396
Percent	3.81	8.87	34.40	54.55	54.55	10.91	14.40	2.74	29.60
Average Number Per Farm	62	290	440	5	3	303	10	5	22
Duration of Service Year	3	2	4	15	20	6	11	12	10
Commercial farms									
Number of farms reporting	588	296	562	10	2	485	264	172	317
Number Reported	19874	12885	9104	13	2	10344	774	1787	830
Percent	86.97	65.66	39.58	39.39	18.18	53.11	76.86	66.14	62.03
Average Number Per Farm	34	44	16	1	1	21	3	10	3
Duration of Service Year	4	4	4	13	8	5	7	5	7
Other Farms									
Number of farms reporting	432	435	872	2	1	780	40	145	41
Number Reported	2107	4999	5987	2	3	7007	88	841	112
Percent	9.22	25.47	26.03	6.06	27.27	35.98	8.74	31.13	8.37
Average Number Per Farm	5	11	7	1	3	9	2	6	3
Duration of Service Year	8	7	7	13	15	9	11	9	11

Furthermore, Commercial and other farms constituted 28.57% and 71.43% of the total number of tying tool reported at, in that order.

Moreover, as indicated in the same summary table, at country level, the total number of wood rake, metal rake, wood winnower, metal winnower, power operated winnower and tractors which were mainly used for threshing were found to be 1,123; 960; 916; 312; 50 and 90, respectively.

Out of these totals, the number wood rake, metal rake, wood winnower, metal winnower, power operated winnower and threshing machine reported for commercial farm were found to be the highest contributing 77.38%, 68.23%80.57%99.04, 100% and 72.22%, in that order. For details, see Summary Table V.2 and Fig 9.

2.3 Storage and Transport Facilities

One of the methods that minimize post harvest production losses is the usage of modern storage facilities. During the census, data was collected on modern storage facilities and the traditional local storage facility (Gotera). In the census, building or any structure used as storage facilities and other containers that have better storage quality to protect agricultural products from humidity and pests are considered as modern storage facilities.

The data in summary table V.3 shows that the total number of traditional and modern storages that were available in large and medium scale farm was found to be 411 and 526, respectively. Out of these totals, state farms reported 337(82%) and 110(20.91% of the total) traditional, i.e "Gottera" and modern storage facilities, in that order. Commercial farms contributed the remaining 18% of the traditional and 65 % of the

Summary Table V.2 Total Number of Farm Implement Reported by Major Activity Used For Large and Medium Scale Farms, 2001/02(1994 E.C.)

Type of large and medium Scale Fams	Fam Implemens								
	Used for harveting			Used for thershing					
	Reaper Sickle	Reaper(power Op.)	Tying Tool	Rake(Wood)	Rake(Metal)	Winnower(wood)	Winnower(Metal)	Winnower(Power Op.)	Thresing Mach.
All Farms Total									
Number of farms reporting	1035	27	3	141	119	174	13	1	51
Number Reported	55857	105	7	1123	960	916	312	50	90
Percent	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Average Number Per Farm	54	4	2	8	8	5	24	50	2
Duration of Service Year	5	8	6	3	6	4	3	3	7
State Farms									
Number of farms reporting	10	2	-	-	4	2	-	-	4
Number Reported	1535	22	-	-	78	23	-	-	15
Percent	2.75	20.95	-	-	8.13	2.51	-	-	16.67
Average Number Per Farm	154	11	-	-	20	12	-	-	4
Duration of Service Year	4	13	-	-	6	1	-	-	2
Commercial farms									
Number of farms reporting	500	9	1	90	84	126	11	1	41
Number Reported	48685	20	2	869	655	738	309	50	65
Percent	87.16	19.05	28.57	77.38	68.23	80.57	99.04	100.00	72.22
Average Number Per Farm	97	2	2	10	8	6	28	50	2
Duration of Service Year	3	4	5	3	5	4	2	3	7
Other Farms									
Number of farms reporting	525	16	2	51	31	46	2	-	6
Number Reported	5637	63	5	254	227	155	3	-	10
Percent	10.09	60.00	71.43	22.62	23.65	16.92	0.96	-	11.11
Average Number Per Farm	11	4	3	5	7	3	2	-	2
Duration of Service Year	6	10	7	4	9	5	9	-	14

modern storage facilities. Nevertheless, State farms reported 13.69% of the total modern storage facilities.

With regard to transport facilities, as indicated in the same summary table, the total number of wheel barrow, hand driven cart, power operated trailer, lorry, truck and animals that were used to transport farm inputs to the farm, outputs to the market and farm workers within the farm were found to be 680; 136; 1,035; 336; 107 and 1,688, respectively. Of these total 57.65%, 82.35% , 53.14% , 56.85% and 71.03%, respectively, owned by commercial, where as other farms accounted for 42.35%, 17.65%, 7.34%, 11.31% and 5.61% to the total of each transport facilities mentioned above, respectively. For details refer to Summary Table V.3.

2.4 Farm Implements and Machineries used for Other Agricultural Activities

According to the result of the census among the farm implements and equipment used for other agricultural activities by large and medium scale farms, animal feed and water supplier, seed spreader, water pump and hand operated pesticides spreader were found to be the highest in terms quantity which are 1,129; 372, 468 and 2,462 respectively, when compared with the remaining farm implements grouped in the same category. Out of the total number/quantity of farm implements and equipment mentioned above, commercial farms contributed relatively the highest that accounted for about 38.35%, 74.73%, 76.50% and 69.09% to the total number of each farm implements, in that order. For details, refer to Summary Table V.4.

Summary Table V.3 Total number of farm implement reported by Major Activity Used For large and medium scale farms, 2001/02(1994 E.C.)

Type of large and medium Scale Fams	Transport and storage facilities							
	Transport Facilities						Storage Facilities	
	Wheel Barrow	Cart(Hand Driven)	Trailer(power op.)	Lorry	Truck	Animals	Traditional	Modern
All Farms Total								
Number of farms reporting	165	98	333	160	60	269	214	266
Number Reported	680	136	1035	336	107	1688	411	526
Percent	100	100	100.00	100.00	100.00	100.00	100.00	100.00
Average Number Per Farm	4	1	3	2	2	6	2	2
Duration of Service Year	6	6	8	8	10	5	5	10
State Farms								
Number of farms reporting	-	-	14	13	4	2	-	14
Number Reported	-	-	409	107	25	4	-	72
Percent	-	-	39.52	31.85	23.36	0.24	-	13.69
Average Number Per Farm	-	-	29	8	6	2	-	5
Duration of Service Year	-	-	16	8	15	7	-	14
Commercial farms								
Number of farms reporting	93	83	286	123	50	215	35	195
Number Reported	392	112	550	191	76	1340	74	344
Percent	57.65	82.35	53.14	56.85	71.03	79.38	18.00	65.40
Average Number Per Farm	4	1	2	2	2	6	2	2
Duration of Service Year	5	6	8	7	9	5	4	9
Other Farms								
Number of farms reporting	72	15	33	24	6	52	179	57
Number Reported	288	24	76	38	6	344	337	110
Percent	42.35	17.65	7.34	11.31	5.61	20.38	82.00	20.91
Average Number Per Farm	4	2	2	2	1	7	2	2
Duration of Service Year	7	6	11	11	18	6	5	13

Summary Table V.4 Total Number of Farm Implement Reported by Major Activity Used For Large and Medium Scale Farms, 2001/02(1994 E.C.)

CONT.

Type of large and medium Scale Fams	Farm implements used for Other agricultural Activities							
	Animal Feed Mixer Mill	Animal Feed and Water Supplier	Incubater	Chiken Heater	Miliking Machine	Coffee Washing and Drilling Machine	Convoyer	Water Pump
All Farms Total								
Number of farms reporting	7	6	3	6	9	9	5	225
Number Reported	8	1129	8	248	43	25	9	468
Percent	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Average Number Per Farm	1	188	3	41	5	3	2	2
Duration of Service Year	18	13	10	11	9	7	3	7
State Farms								
Number of farms reporting	-	-	-	-	-	1	-	10
Number Reported	-	-	-	-	-	3	-	51
Percent	-	-	-	-	-	12.00	-	10.90
Average Number Per Farm	-	-	-	-	-	3	-	5
Duration of Service Year	-	-	-	-	-	12	-	12
Commercial farms								
Number of farms reporting	2	4	2	2	3	8	4	180
Number Reported	3	433	6	104	16	22	5	358
Percent	37.50	38.35	75.00	41.94	37.21	88.00	55.56	76.50
Average Number Per Farm	2	108	3	52	5	3	1	2
Duration of Service Year	28	8	10	8	10	7	4	6
Other Farms								
Number of farms reporting	5	2	1	4	6	-	1	35
Number Reported	5	696	2	144	27	-	4	59
Percent	62.50	61.65	25.00	58.06	62.79	-	44.44	12.61
Average Number Per Farm	1	348	2	36	5	-	4	2
Duration of Service Year	14	22	10	12	8	-	1	11

Summary Table V.4 Total Number of Farm Implement Reported by Major Activity Used For Large and Medium Scale Farms, 2001/02(1994 E.C.)

Type of large and medium Scale Fams	Farm implements used for Other agricultural Activities				
	Seed Spreader	Fertilizer Spreader	Pesticides Spreader (Hand Operated)	Pesticides Spreader (Power Operated)	Cage
All Farms Total					
Number of farms reporting	73	14	442	34	44
Number Reported	372	30	2462	116	108
Percent	100.00	100.00	100.00	100.00	100.00
Average Number Per Farm	5	2	6	3	2
Duration of Service Year	9	9	5	8	9
State Farms					
Number of farms reporting	13	4	16	8	1
Number Reported	73	7	566	33	1
Percent	19.62	23.33	22.99	28.45	0.93
Average Number Per Farm	6	2	35	4	1
Duration of Service Year	12	10	8	9	16
Commercial farms					
Number of farms reporting	48	8	352	19	25
Number Reported	278	20	1701	68	41
Percent	74.73	66.67	69.09	58.62	37.96
Average Number Per Farm	6	3	5	4	2
Duration of Service Year	7	7	4	6	9
Other Farms					
Number of farms reporting	12	2	74	7	18
Number Reported	21	3	195	15	66
Percent	5.65	10.00	7.92	12.93	61.11
Average Number Per Farm	2	2	3	2	4
Duration of Service Year	12	12	7	10	9

Fig 9. Total number of selected farm implements and machneries for Large and medium scale farms,2001/02(1994 E.C.)

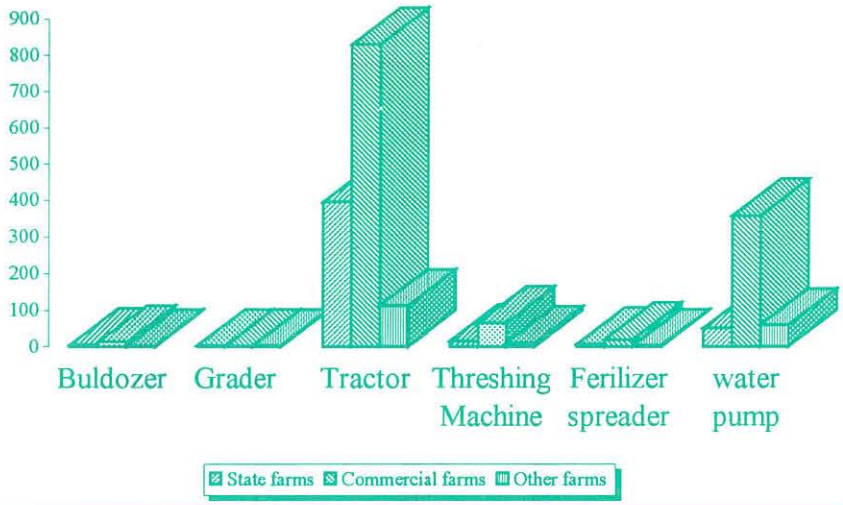


TABLE 5.1.1: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - ALL FARMS

Ethiopia

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	1034	22851	22	349923	5	15
Gejera	737	19625	27	487867	6	25
Shovel	1452	23004	16	360041	6	16
Konchera	139	9119	66	398141	6	44
Plow (Power Operated)	318	1007	3	24250034	8	24081
Harrow(Mekeskesha)	332	2702	8	11455157	7	4240
Bull Dozer	16	33	2	13577127	13	411428
Grader	5	11	2	1525890	13	138717
Pick-Axe	1272	19475	15	285047	7	15
Tractor	376	1338	4	149292404	8	111579
Seed Spreader	73	372	5	5728687	9	15400
Fertilizer Spreader	14	30	2	459198	9	15307
Water Pump	225	468	2	13716322	7	29308
Pesticide Spreader(Hand Operated)	442	2462	6	2651221	5	1077
Pesticide Spreader(Power Operated)	34	116	3	3059068	8	26371
Reaper Sickle	1035	55857	54	520415	5	9
Reaper (Power Operated)	27	105	4	7961744	8	75826
Tying Tool	3	7	2	188	6	27
Threshing Machine	51	90	2	7570901	7	84121
Rake (Wood)	141	1123	8	7165	3	6
Rake(Metal)	119	960	8	21436	6	22
Winnower(Wood)	174	916	5	10369	4	11
Winnower(Metal)	13	312	24	6089	3	20
Winnower(Power Operator)	1	50	50	1400	3	28
Wheel Barrow	165	680	4	162848	6	239
Cart	98	136	1	286613	6	2107
Trailer(Cart machine driven)	333	1035	3	35114575	8	33927
Lorry	160	336	2	49889673	8	148481
Truck	60	107	2	18499840	10	172896
Animal(for transport)	269	1688	6	943869	5	559
Modern Storage	266	526	2	52073141	10	98998
Traditional Storage(Gotera)	214	411	2	34854	5	85
Animal feed Mixer Mill	7	8	1	790950	18	98869
Incubator	3	8	3	6000	10	750
Cage	44	108	2	4620311	9	42781
Animal feed & water supplier	6	1129	188	258976	13	229
Chicken Heater	6	248	41	252960	11	1020
Conveyer	5	9	2	730000	3	81111
Milking Machine	9	43	5	172045	9	4001
Coffee Washing & Drilling mach	9	25	3	4140162	7	165606

TABLE 5.1.2: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - ALL FARMS

Tigray Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	242	11071	46	159243	4	14
Gejera	48	842	18	13602	5	16
Shovel	203	2019	10	38563	4	19
Konchera	9	55	6	828	4	15
Plow (Power Operated)	107	296	3	11660749	8	39394
Harrow(Mekeskesha)	21	1364	65	32138	3	24
Bull Dozer	-	-	-	-	-	-
Grader	-	-	-	-	-	-
Pick-Axe	188	3478	19	60494	5	17
Tractor	141	286	2	21233277	8	74242
Seed Spreader	9	14	2	131000	16	9357
Fertilizer Spreader	2	4	2	11500	4	2875
Water Pump	88	132	2	1471400	7	11147
Pesticide Spreader(Hand Operated).	140	349	2	536031	4	1536
Pesticide Spreader(Power Operated)	5	35	7	79442	4	2270
Reaper Sickle	230	34448	150	312453	3	9
Reaper (Power Operated)	-	-	-	-	-	-
Tying Tool	-	-	-	-	-	-
Threshing Machine	7	8	1	482000	5	60250
Rake (Wood)	22	192	9	2321	3	12
Rake(Metal)	7	32	5	956	10	30
Winnower(Wood)	14	85	6	1544	5	18
Winnower(Metal)	1	4	4	80	2	20
Winnower(Power Operator)	-	-	-	-	-	-
Wheel Barrow	16	102	6	21180	6	208
Cart	44	47	1	160600	7	3417
Trailer(Cart machine driven)	134	217	2	2844300	8	13107
Lorry	25	37	1	5397993	7	145892
Truck	19	26	1	4994000	7	192077
Animal(for transport)	78	762	10	390525	5	513
Modern Storage	63	127	2	7359057	10	57945
Traditional Storage(Gotera)	1	5	5	1100	5	220
Animal feed Mixer Mill	-	-	-	-	-	-
Incubator	-	-	-	-	-	-
Cage	6	7	1	27840	5	3977
Animal feed & water supplier	2	22	11	26000	9	1182
Chicken Heater	-	-	-	-	-	-
Conveyer	3	4	1	640000	4	160000
Milking Machine	-	-	-	-	-	-
Coffee Washing & Drilling mach	-	-	-	-	-	-

TABLE 5.1.3: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - ALL FARMS

Afar Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	12	368	31	8396	3	23
Gejera	2	481	241	4194	5	9
Shovel	12	3649	304	97345	3	27
Konchera	7	2362	337	40963	4	17
Plow (Power Operated)	13	78	6	2035501	5	26096
Harrow(Mekeskesha)	13	34	3	1422190	8	41829
Bull Dozer	1	6	6	171049	23	28508
Grader	1	4	4	295421	20	73855
Pick-Axe	6	203	34	2730	5	13
Tractor	15	142	9	14043930	6	98901
Seed Spreader	11	46	4	1335765	5	29038
Fertilizer Spreader	1	2	2	8624	12	4312
Water Pump	10	27	3	1465338	4	54272
Pesticide Spreader(Hand Operated).	18	125	7	631590	3	5053
Pesticide Spreader(Power Operated)	1	2	2	80000	2	40000
Reaper Sickle	2	87	44	621	1	7
Reaper (Power Operated)	-	-	-	-	-	-
Tying Tool	-	-	-	-	-	-
Threshing Machine	-	-	-	-	-	-
Rake (Wood)	-	-	-	-	-	-
Rake(Metal)	-	-	-	-	-	-
Winnower(Wood)	-	-	-	-	-	-
Winnower(Metal)	-	-	-	-	-	-
Winnower(Power Operator)	-	-	-	-	-	-
Wheel Barrow	-	-	-	-	-	-
Cart	1	1	1	1000	5	1000
Trailer(Cart machine driven)	11	29	3	777000	9	26793
Lorry	10	31	3	5028000	5	162194
Truck	2	7	4	749000	15	107000
Animal(for transport)	-	-	-	-	-	-
Modern Storage	6	19	3	942108	7	49585
Traditional Storage(Gotera)	-	-	-	-	-	-
Animal feed Mixer Mill	-	-	-	-	-	-
Incubator	-	-	-	-	-	-
Cage	-	-	-	-	-	-
Animal feed & water supplier	-	-	-	-	-	-
Chicken Heater	-	-	-	-	-	-
Conveyer	-	-	-	-	-	-
Milking Machine	-	-	-	-	-	-
Coffee Washing & Drilling mach	-	-	-	-	-	-

TABLE 5.1.4: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - ALL FARMS

Amhara Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	180	2646	15	34184	6	13
Gejera	116	878	8	12770	6	15
Shovel	258	2237	9	29124	6	13
Konchera	-	-	-	-	-	-
Plow (Power Operated)	50	132	3	1947957	8	14757
Harrow(Mekeskesha)	50	302	6	1055513	8	3495
Bull Dozer	4	5	1	1153743	6	230749
Grader	1	1	1	950499	5	950499
Pick-Axe	263	3006	11	35651	7	12
Tractor	55	147	3	11472081	9	78041
Seed Spreader	7	8	1	308653	7	38582
Fertilizer Spreader	1	1	1	1342	9	1342
Water Pump	25	50	2	1641002	5	32820
Pesticide Spreader(Hand Operated).	46	125	3	54614	4	437
Pesticide Spreader(Power Operated)	5	13	3	161531	11	12425
Reaper Sickle	218	9357	43	69363	5	7
Reaper (Power Operated)	8	16	2	258648	4	16166
Tying Tool	1	2	2	24	11	12
Threshing Machine	7	15	2	2231136	12	148742
Rake (Wood)	44	271	6	1539	2	6
Rake(Metal)	17	128	8	1436	5	11
Winnower(Wood)	51	318	6	4119	4	13
Winnower(Metal)	5	22	4	337	5	15
Winnower(Power Operator)	-	-	-	-	-	-
Wheel Barrow	31	136	4	20864	5	153
Cart	14	17	1	31540	7	1855
Trailer(Cart machine driven)	50	99	2	3855800	8	38947
Lorry	15	28	2	3405641	7	121630
Truck	6	5	1	1340000	14	268000
Animal(for transport)	64	291	5	150514	4	517
Modern Storage	43	74	2	5822306	8	78680
Traditional Storage(Gotera)	27	81	3	4080	5	50
Animal feed Mixer Mill	1	1	1	80000	17	80000
Incubator	-	-	-	-	-	-
Cage	15	36	2	417000	8	11583
Animal feed & water supplier	-	-	-	-	-	-
Chicken Heater	1	80	80	80000	7	1000
Conveyer	1	1	1	50000	3	50000
Milking Machine	-	-	-	-	-	-
Coffee Washing & Drilling mach	-	-	-	-	-	-

TABLE 5.1.5: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - ALL FARMS

Oromia Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	362	3711	10	53306	6	14
Gejera	316	6937	22	166521	6	24
Shovel	613	9509	16	108349	7	11
Konchera	72	5767	80	329806	6	57
Plow (Power Operated)	104	370	4	7081281	7	19139
Harrow(Mekeskesha)	157	601	4	5847529	8	9730
Bull Dozer	7	17	2	9387335	10	552196
Grader	2	5	3	90000	15	18000
Pick-Axe	518	6839	13	85081	8	12
Tractor	111	572	5	75248691	7	131554
Seed Spreader	33	284	9	3367103	8	11856
Fertilizer Spreader	8	17	2	383905	9	22583
Water Pump	65	190	3	7539698	8	39683
Pesticide Spreader(Hand Operated).	169	1381	8	926597	6	671
Pesticide Spreader(Power Operated)	18	57	3	2625882	7	46068
Reaper Sickle	363	7921	22	90051	6	11
Reaper (Power Operated)	17	87	5	6983096	10	80265
Tying Tool	1	2	2	14	5	7
Threshing Machine	26	52	2	4364965	6	83942
Rake (Wood)	49	392	8	2179	4	6
Rake(Metal)	71	500	7	15771	6	32
Winnower(Wood)	85	350	4	3206	4	9
Winnower(Metal)	2	8	4	132	2	17
Winnower(Power Operator)	-	-	-	-	-	-
Wheel Barrow	57	158	3	47519	6	301
Cart	20	30	2	38173	4	1272
Trailer(Cart machine driven)	92	579	6	24723635	8	42701
Lorry	76	186	2	26433151	9	142114
Truck	23	52	2	8266952	10	158980
Animal(for transport)	89	307	3	158650	6	517
Modern Storage	103	193	2	34303124	11	177736
Traditional Storage(Gotera)	80	139	2	9369	6	67
Animal feed Mixer Mill	3	4	1	620000	21	155000
Incubator	3	8	3	6000	10	750
Cage	18	29	2	692330	12	23873
Animal feed & water supplier	3	467	156	160400	23	343
Chicken Heater	3	105	35	55960	10	533
Conveyer	1	4	4	40000	1	10000
Milking Machine	9	43	5	172045	9	4001
Coffee Washing & Drilling mach	6	19	3	1731570	10	91135

TABLE 5.1.6: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - ALL FARMS

Somale Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	18	288	16	4290	4	15
Gejera	11	92	8	1875	5	20
Shovel	20	355	18	6369	4	18
Konchera	2	11	6	215	4	20
Plow (Power Operated)	3	19	6	92425	4	4864
Harrow(Mekeskesha)	3	13	4	140	2	11
Bull Dozer	-	-	-	-	-	-
Grader	-	-	-	-	-	-
Pick-Axe	16	147	9	5015	5	34
Tractor	3	5	2	330000	12	66000
Seed Spreader	-	-	-	-	-	-
Fertilizer Spreader	1	5	5	17500	10	3500
Water Pump	13	23	2	111900	7	4865
Pesticide Spreader(Hand Operated).	5	9	2	8070	5	897
Pesticide Spreader(Power Operated)	-	-	-	-	-	-
Reaper Sickle	18	442	25	5903	4	13
Reaper (Power Operated)	-	-	-	-	-	-
Tying Tool	-	-	-	-	-	-
Threshing Machine	-	-	-	-	-	-
Rake (Wood)	2	25	13	110	4	4
Rake(Metal)	2	33	17	225	7	7
Winnower(Wood)	2	22	11	220	2	10
Winnower(Metal)	1	10	10	70	3	7
Winnower(Power Operator)	-	-	-	-	-	-
Wheel Barrow	12	51	4	12110	5	237
Cart	9	29	3	30700	8	1059
Trailer(Cart machine driven)	2	2	1	67000	14	33500
Lorry	1	1	1	40000	15	40000
Truck	2	2	1	720000	14	360000
Animal(for transport)	14	257	18	213060	8	829
Modern Storage	7	13	2	404000	22	31077
Traditional Storage(Gotera)	6	12	2	6860	9	572
Animal feed Mixer Mill	-	-	-	-	-	-
Incubator	-	-	-	-	-	-
Cage	-	-	-	-	-	-
Animal feed & water supplier	-	-	-	-	-	-
Chicken Heater	-	-	-	-	-	-
Conveyer	-	-	-	-	-	-
Milking Machine	-	-	-	-	-	-
Coffee Washing & Drilling mach	-	-	-	-	-	-

TABLE 5.1.7: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - ALL FARMS

Benshangul-Gumuz Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	28	446	16	6091	4	14
Gejera	21	259	12	3384	3	13
Shovel	40	261	7	3996	4	15
Konchera	4	10	3	204	6	20
Plow (Power Operated)	13	33	3	382776	4	11599
Harrow(Mekeskesha)	16	32	2	552898	4	17278
Bull Dozer	1	1	1	15000	1	15000
Grader	-	-	-	-	-	-
Pick-Axe	38	382	10	4314	4	11
Tractor	12	34	3	3423745	5	100698
Seed Spreader	-	-	-	-	-	-
Fertilizer Spreader	-	-	-	-	-	-
Water Pump	4	5	1	120234	5	24047
Pesticide Spreader(Hand Operated)	4	12	3	4100	3	342
Pesticide Spreader(Power Operated)	-	-	-	-	-	-
Reaper Sickle	25	735	29	7394	3	10
Reaper (Power Operated)	-	-	-	-	-	-
Tying Tool	1	3	3	150	2	50
Threshing Machine	3	4	1	47000	3	11750
Rake (Wood)	8	71	9	287	2	4
Rake(Metal)	5	102	20	655	1	6
Winnower(Wood)	5	25	5	77	2	3
Winnower(Metal)	1	15	15	105	5	7
Winnower(Power Operator)	-	-	-	-	-	-
Wheel Barrow	3	6	2	946	7	158
Cart	3	3	1	16150	3	5383
Trailer(Cart machine driven)	11	21	2	346330	6	16492
Lorry	3	4	1	288699	10	72175
Truck	1	1	1	106440	15	106440
Animal(for transport)	4	13	3	7660	4	589
Modern Storage	4	6	2	620000	4	103333
Traditional Storage(Gotera)	47	63	1	4025	3	64
Animal feed Mixer Mill	-	-	-	-	-	-
Incubator	-	-	-	-	-	-
Cage	-	-	-	-	-	-
Animal feed & water supplier	-	-	-	-	-	-
Chicken Heater	-	-	-	-	-	-
Conveyer	-	-	-	-	-	-
Milking Machine	-	-	-	-	-	-
Coffee Washing & Drilling mach	-	-	-	-	-	-

TABLE 5.1.8: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - ALL FARMS

(S.N.N.P.R) Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	184	4207	23	83154	6	20
Gejera	215	9629	45	272101	6	28
Shovel	292	4430	15	69121	7	16
Konchera	42	804	19	24000	7	30
Plow (Power Operated)	27	76	3	1004346	10	13215
Harrow(Mekeskesha)	70	324	5	2443399	9	7541
Bull Dozer	3	4	1	2850000	24	712500
Grader	1	1	1	189970	10	189970
Pick-Axe	230	4634	20	79988	8	17
Tractor	39	152	4	23540680	8	154873
Seed Spreader	12	18	2	436166	14	24231
Fertilizer Spreader	1	1	1	36327	13	36327
Water Pump	15	23	2	412420	7	17931
Pesticide Spreader(Hand Operated)	54	419	8	478009	5	1141
Pesticide Spreader(Power Operated)	5	9	2	112213	10	12468
Reaper Sickle	168	2248	13	29767	6	13
Reaper (Power Operated)	2	2	1	720000	8	360000
Tying Tool	-	-	-	-	-	-
Threshing Machine	8	11	1	445801	12	40527
Rake (Wood)	16	172	11	730	3	4
Rake(Metal)	14	136	10	2000	7	15
Winnower(Wood)	14	104	7	1038	4	10
Winnower(Metal)	3	253	84	5365	2	21
Winnower(Power Operator)	1	50	50	1400	3	28
Wheel Barrow	42	219	5	59029	6	270
Cart	6	8	1	7900	4	988
Trailer(Cart machine driven)	31	86	3	2425511	10	28204
Lorry	28	47	2	9016190	7	191834
Truck	7	14	2	2323448	11	165961
Animal(for transport)	18	44	2	18460	4	420
Modern Storage	39	93	2	2572546	11	27662
Traditional Storage(Gotera)	52	110	2	9390	3	85
Animal feed Mixer Mill	3	3	1	90950	15	30317
Incubator	-	-	-	-	-	-
Cage	5	36	7	3483141	11	96754
Animal feed & water supplier	1	640	640	72576	5	113
Chicken Heater	2	63	32	117000	13	1857
Conveyer	-	-	-	-	-	-
Milking Machine	-	-	-	-	-	-
Coffee Washing & Drilling mach	3	6	2	2408592	2	401432

TABLE 5.1.10: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - ALL FARMS

Addis Ababa Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	3	27	9	276	12	10
Gejera	2	36	18	360	4	10
Shovel	7	432	62	5402	6	13
Konchera	1	75	75	1125	10	15
Plow (Power Operated)	-	-	-	-	-	-
Harrow(Mekeskesha)	-	-	-	-	-	-
Bull Dozer	-	-	-	-	-	-
Grader	-	-	-	-	-	-
Pick-Axe	8	723	90	10430	7	14
Tractor	-	-	-	-	-	-
Seed Spreader	-	-	-	-	-	-
Fertilizer Spreader	-	-	-	-	-	-
Water Pump	4	17	4	953530	4	56090
Pesticide Spreader(Hand Operated).	3	5	2	2110	5	422
Pesticide Spreader(Power Operated)	-	-	-	-	-	-
Reaper Sickle	8	455	57	2506	4	6
Reaper (Power Operated)	-	-	-	-	-	-
Tying Tool	-	-	-	-	-	-
Threshing Machine	-	-	-	-	-	-
Rake (Wood)	-	-	-	-	-	-
Rake(Metal)	3	29	10	393	7	14
Winnower(Wood)	3	12	4	165	9	14
Winnower(Metal)	-	-	-	-	-	-
Winnower(Power Operator)	-	-	-	-	-	-
Wheel Barrow	3	7	2	970	5	139
Cart	1	1	1	550	6	550
Trailer(Cart machine driven)	-	-	-	-	-	-
Lorry	-	-	-	-	-	-
Truck	-	-	-	-	-	-
Animal(for transport)	2	14	7	5000	5	357
Modern Storage	-	-	-	-	-	-
Traditional Storage(Gotera)	-	-	-	-	-	-
Animal feed Mixer Mill	-	-	-	-	-	-
Incubator	-	-	-	-	-	-
Cage	-	-	-	-	-	-
Animal feed & water supplier	-	-	-	-	-	-
Chicken Heater	-	-	-	-	-	-
Conveyer	-	-	-	-	-	-
Milking Machine	-	-	-	-	-	-
Coffee Washing & Drilling mach	-	-	-	-	-	-

TABLE 5.1.9: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - ALL FARMS

Gambela Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	5	87	17	984	3	11
Gejera	6	471	79	13060	3	28
Shovel	7	112	16	1772	3	16
Konchera	2	35	18	1000	3	29
Plow (Power Operated)	1	3	3	45000	6	15000
Harrow(Mekeskesha)	2	32	16	101350	6	3167
Bull Dozer	-	-	-	-	-	-
Grader	-	-	-	-	-	-
Pick-Axe	5	63	13	1344	4	21
Tractor	-	-	-	-	-	-
Seed Spreader	1	2	2	150000	4	75000
Fertilizer Spreader	-	-	-	-	-	-
Water Pump	1	1	1	800	3	800
Pesticide Spreader(Hand Operated)	3	37	12	10100	4	273
Pesticide Spreader(Power Operated)	-	-	-	-	-	-
Reaper Sickle	3	164	55	2358	3	14
Reaper (Power Operated)	-	-	-	-	-	-
Tying Tool	-	-	-	-	-	-
Threshing Machine	-	-	-	-	-	-
Rake (Wood)	-	-	-	-	-	-
Rake(Metal)	-	-	-	-	-	-
Winnower(Wood)	-	-	-	-	-	-
Winnower(Metal)	-	-	-	-	-	-
Winnower(Power Operator)	-	-	-	-	-	-
Wheel Barrow	1	1	1	230	2	230
Cart	-	-	-	-	-	-
Trailer(Cart machine driven)	2	2	1	75000	5	37500
Lorry	2	2	1	280000	5	140000
Truck	-	-	-	-	-	-
Animal(for transport)	-	-	-	-	-	-
Modern Storage	1	1	1	50000	1	50000
Traditional Storage(Gotera)	1	1	1	30	1	30
Animal feed Mixer Mill	-	-	-	-	-	-
Incubator	-	-	-	-	-	-
Cage	-	-	-	-	-	-
Animal feed & water supplier	-	-	-	-	-	-
Chicken Heater	-	-	-	-	-	-
Conveyer	-	-	-	-	-	-
Milking Machine	-	-	-	-	-	-
Coffee Washing & Drilling mach	-	-	-	-	-	-

TABLE 5.2.1: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - STATE FARMS.

Ethiopia

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	14	870	62	7051	3	8
Gejera	6	1741	290	27470	2	16
Shovel	18	7913	440	124153	4	16
Konchera	10	6534	653	349033	4	53
Plow (Power Operated)	14	145	10	2558586	11	17645
Harrow(Mekeskesha)	15	74	5	2420320	12	32707
Bull Dozer	4	18	5	3118384	15	173244
Grader	2	6	3	295421	20	49237
Pick-Axe	7	2124	303	13051	6	6
Tractor	18	396	22	47755398	10	120594
Seed Spreader	13	73	6	1914399	12	26225
Fertilizer Spreader	4	7	2	252116	10	36017
Water Pump	10	51	5	2040828	12	40016
Pesticides Spreader (Hand Operated)	16	566	35	1096819	8	1938
Pesticides Spreader(Power Operated)	8	33	4	2073341	9	62829
Reaper Sickle	10	1535	154	16183	4	11
Reaper (Power Operated)	2	22	11	1605015	13	72955
Tying Tool	-	-	-	-	-	-
Threshing Machine	4	15	4	159348	2	10623
Rake (Wood)	-	-	-	-	-	-
Rake(Metal)	4	78	20	764	6	10
Winnower(Wood)	2	23	12	330	1	14
Winnower(Metal)	-	-	-	-	-	-
Winnower(Power Operator)	-	-	-	-	-	-
Wheel Barrow	-	-	-	-	-	-
Cart	-	-	-	-	-	-
Trailer(Cart power driven)	14	409	29	21139053	16	51685
Lorry	13	107	8	18114002	8	169290
Truck	4	25	6	1384000	15	55360
Animal(for transport)	2	4	2	950	7	238
Modern Storage	14	72	5	17268985	14	239847
Gotera	-	-	-	-	-	-
Animal feed Mixer Mill	-	-	-	-	-	-
Incubator	-	-	-	-	-	-
Cage	1	1	1	2000	16	2000
Animal feed & water supplier	-	-	-	-	-	-
Chicken Heater	-	-	-	-	-	-
Conveyer	-	-	-	-	-	-
Milking Machine	-	-	-	-	-	-
Coffee Washing & Drilling mach.	1	3	3	7294	12	2431

TABLE 5.2.2: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - STATE FARMS.

Afar Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	4	181	45	3446	5	19
Gejera.....	1	479	479	4134	1	9
Shovel	4	2702	676	82925	4	31
Konchera.....	4	1657	414	29788	5	18
Plow (Power Operated).....	5	54	11	1169501	7	21657
Harrow(Mekeskesha).....	5	21	4	890290	14	42395
Bull Dozer.....	1	6	6	171049	23	28508
Grader.....	1	4	4	295421	20	73855
Pick-Axe.....	2	55	28	589	7	11
Tractor.....	5	110	22	8050930	12	73190
Seed Spreader.....	5	39	8	892570	8	22886
Fertilizer Spreader.....	1	2	2	8624	12	4312
Water Pump.....	2	14	7	485338	15	34667
Spreader (Hand Operated).....	2	35	18	483000	4	13800
Spreader(Power Operated).....	1	2	2	80000	2	40000
Reaper Sickle.....	1	77	77	571	1	7
Reaper (Power Operated).....	-	-	-	-	-	-
Tying Tool.....	-	-	-	-	-	-
Threshing Machine.....	-	-	-	-	-	-
Rake (Wood).....	-	-	-	-	-	-
Rake(Metal).....	-	-	-	-	-	-
Winnower(Wood).....	-	-	-	-	-	-
Winnower(Metal).....	-	-	-	-	-	-
Winnower(Power Operator).....	-	-	-	-	-	-
Wheel Barrow.....	-	-	-	-	-	-
Cart.....	-	-	-	-	-	-
Trailer(Cart power driven).....	4	21	5	570000	15	27143
Lorry.....	3	21	7	3965000	4	188810
Truck.....	1	6	6	669000	19	111500
Animal(for transport).....	-	-	-	-	-	-
Modern Storage.....	4	15	4	905308	10	60354
Gotera.....	-	-	-	-	-	-
Animal feed Mixer Mill.....	-	-	-	-	-	-
Incubator.....	-	-	-	-	-	-
Cage.....	-	-	-	-	-	-
Animal feed & water supplier...	-	-	-	-	-	-
Chicken Heater.....	-	-	-	-	-	-
Conveyer.....	-	-	-	-	-	-
Milking Machine.....	-	-	-	-	-	-
Coffee Washing & Drilling mach.	-	-	-	-	-	-

TABLE 5.2.3: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - STATE FARMS.

Oromia Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	8	406	51	1561	3	4
Gejera	4	376	94	7123	2	19
Shovel	10	4586	459	35941	4	8
Konchera	5	4868	974	319119	3	66
Plow (Power Operated)	7	78	11	1200054	12	15385
Harrow(Mekeskesha)	8	47	6	1285393	12	27349
Bull Dozer	2	11	6	2597335	4	236121
Grader	1	2	2	-	-	-
Pick-Axe	5	2069	414	12462	5	6
Tractor	9	216	24	27967255	9	129478
Seed Spreader	6	27	5	980664	12	36321
Fertilizer Spreader	2	4	2	207165	7	51791
Water Pump	7	36	5	1543390	12	42872
Spreader (Hand Operated)	11	469	43	518729	8	1106
Spreader(Power Operated)	5	27	5	1926012	10	71334
Reaper Sickle	8	1418	177	15361	3	11
Reaper (Power Operated)	2	22	11	1605015	13	72955
Tying Tool	-	-	-	-	-	-
Threshing Machine	3	13	4	109348	2	8411
Rake (Wood)	-	-	-	-	-	-
Rake(Metal)	3	74	25	740	5	10
Winnower(Wood)	2	23	12	330	1	14
Winnower(Metal)	-	-	-	-	-	-
Winnower(Power Operator)	-	-	-	-	-	-
Wheel Barrow	-	-	-	-	-	-
Cart	-	-	-	-	-	-
Trailer(Cart power driven)	7	368	53	20152761	18	54763
Lorry	8	82	10	13747402	9	167651
Truck	3	19	6	715000	13	37632
Animal(for transport)	2	4	2	950	7	238
Modern Storage	7	42	6	15307315	10	364460
Gotera	-	-	-	-	-	-
Animal feed Mixer Mill	-	-	-	-	-	-
Incubator	-	-	-	-	-	-
Cage	-	-	-	-	-	-
Animal feed & water supplier	-	-	-	-	-	-
Chicken Heater	-	-	-	-	-	-
Conveyer	-	-	-	-	-	-
Milking Machine	-	-	-	-	-	-
Coffee Washing & Drilling mach.	1	3	3	7294	12	2431

TABLE 5.2.4: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - STATE FARMS.

(S.N.N.P.R) Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	2	283	142	2045	3	7
Gejera.....	1	886	886	16214	2	18
Shovel	4	625	156	5288	7	8
Konchera.....	1	9	9	126	10	14
Plow (Power Operated).....	2	13	7	189031	15	14541
Harrow(Mekeskesha).....	2	6	3	244637	3	40773
Bull Dozer.....	1	1	1	350000	18	350000
Grader.....	-	-	-	-	-	-
Pick-Axe.....	-	-	-	-	-	-
Tractor.....	4	70	18	11737213	9	167674
Seed Spreader.....	2	7	4	41165	23	5881
Fertilizer Spreader.....	1	1	1	36327	13	36327
Water Pump.....	1	1	1	12100	10	12100
Spreader (Hand Operated).....	3	62	21	95090	9	1534
Spreader(Power Operated).....	2	4	2	67329	11	16832
Reaper Sickle.....	1	40	40	250	11	6
Reaper (Power Operated).....	-	-	-	-	-	-
Tying Tool.....	-	-	-	-	-	-
Threshing Machine.....	1	2	2	50000	2	25000
Rake (Wood).....	-	-	-	-	-	-
Rake(Metal).....	1	4	4	24	8	6
Winnower(Wood).....	-	-	-	-	-	-
Winnower(Metal).....	-	-	-	-	-	-
Winnower(Power Operator).....	-	-	-	-	-	-
Wheel Barrow.....	-	-	-	-	-	-
Cart.....	-	-	-	-	-	-
Trailer(Cart power driven).....	3	20	7	416293	12	20815
Lorry.....	2	4	2	401600	11	100400
Truck.....	-	-	-	-	-	-
Animal(for transport).....	-	-	-	-	-	-
Modern Storage.....	3	15	5	1056362	29	70424
Gotera.....	-	-	-	-	-	-
Animal feed Mixer Mill.....	-	-	-	-	-	-
Incubator.....	-	-	-	-	-	-
Cage.....	1	1	1	2000	16	2000
Animal feed & water supplier...	-	-	-	-	-	-
Chicken Heater.....	-	-	-	-	-	-
Conveyer.....	-	-	-	-	-	-
Milking Machine.....	-	-	-	-	-	-
Coffee Washing & Drilling mach.	-	-	-	-	-	-

TABLE 5.3.1: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - COMMERCIAL FARMS.

Ethiopia

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	588	19874	34	315316	4	16
Gejera	296	12885	44	358257	4	28
Shovel	562	9104	16	153114	4	17
Konchera	58	1882	32	38567	4	20
Plow (Power Operated)	264	774	3	20411934	7	26372
Harrow(Mekeskesha)	172	1787	10	6511090	5	3644
Bull Dozer	10	13	1	10456708	13	804362
Grader	2	2	1	1140469	8	570235
Pick-Axe	485	10344	21	178587	5	17
Tractor	317	830	3	86782993	7	104558
Seed Spreader	48	278	6	3178859	7	11435
Fertilizer Spreader	8	20	3	129740	7	6487
Water Pump	180	358	2	8543930	6	23866
Pesticides Spreader (Hand Operated)	352	1701	5	1426154	4	838
Pesticides Spreader(Power Operated)	19	68	4	551043	6	8104
Reaper Sickle	500	48685	97	447655	3	9
Reaper (Power Operated)	9	20	2	5442834	4	272142
Tying Tool	1	2	2	14	5	7
Threshing Machine	41	65	2	5442553	7	83732
Rake (Wood)	90	869	10	5928	3	7
Rake(Metal)	84	655	8	17489	5	27
Winnower(Wood)	126	738	6	8992	4	12
Winnower(Metal)	11	309	28	6071	2	20
Winnower(Power Operator)	1	50	50	1400	3	28
Wheel Barrow	93	392	4	114923	5	293
Cart	83	112	1	241513	6	2156
Trailer(Cart power driven)	286	550	2	10587080	8	19249
Lorry	123	191	2	26323868	7	137821
Truck	50	76	2	16214400	9	213347
Animal(for transport)	215	1340	6	674995	5	504
Modern Storage	195	344	2	27996579	9	81385
Gotera	35	74	2	16755	4	226
Animal feed Mixer Mill	2	3	2	580000	28	193333
Incubator	2	6	3	2000	10	333
Cage	25	41	2	511940	9	12486
Animal feed & water supplier	4	433	108	178000	8	411
Chicken Heater	2	104	52	50960	8	490
Conveyer	4	5	1	690000	4	138000
Milking Machine	3	16	5	1735	10	108
Coffee Washing & Drilling mach.	8	22	3	4132868	7	187858

TABLE 5.3.2: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - COMMERCIAL FARMS.

Tigray Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	239	11047	46	158925	4	14
Gejera.....	46	792	17	13292	5	17
Shovel	198	1882	10	37379	4	20
Konchera.....	9	55	6	828	4	15
Plow (Power Operated).....	107	296	3	11660749	8	39394
Harrow(Mekeskesha).....	20	1354	68	31988	3	24
Bull Dozer.....	-	-	-	-	-	-
Grader.....	-	-	-	-	-	-
Pick-Axe.....	183	3341	18	58742	5	18
Tractor.....	140	284	2	21233277	8	74765
Seed Spreader.....	9	14	2	131000	16	9357
Fertilizer Spreader.....	2	4	2	11500	4	2875
Water Pump.....	86	130	2	1431400	7	11011
Spreader (Hand Operated).....	137	338	2	514011	4	1521
Spreader(Power Operated).....	5	35	7	79442	4	2270
Reaper Sickle.....	225	34396	153	312013	3	9
Reaper (Power Operated).....	-	-	-	-	-	-
Tying Tool.....	-	-	-	-	-	-
Threshing Machine.....	7	8	1	482000	5	60250
Rake (Wood).....	22	192	9	2321	3	12
Rake(Metal).....	7	32	5	956	10	30
Winnower(Wood).....	14	85	6	1544	5	18
Winnower(Metal).....	1	4	4	80	2	20
Winnower(Power Operator).....	-	-	-	-	-	-
Wheel Barrow.....	13	24	2	5580	7	233
Cart.....	43	46	1	157600	7	3426
Trailer(Cart power driven).....	134	217	2	2844300	8	13107
Lorry.....	25	37	1	5397993	7	145892
Truck.....	19	26	1	4994000	7	192077
Animal(for transport).....	77	761	10	389875	5	512
Modern Storage.....	59	119	2	7330050	10	61597
Gotera.....	1	5	5	1100	5	220
Animal feed Mixer Mill.....	-	-	-	-	-	-
Incubator.....	-	-	-	-	-	-
Cage.....	6	7	1	27840	5	3977
Animal feed & water supplier...	2	22	11	26000	9	1182
Chicken Heater.....	-	-	-	-	-	-
Conveyer.....	3	4	1	640000	4	160000
Milking Machine.....	-	-	-	-	-	-
Coffee Washing & Drilling mach.	-	-	-	-	-	-

TABLE 5.3.3: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - COMMERCIAL FARMS.

Afar Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	8	187	23	4950	3	26
Gejera	1	2	2	60	8	30
Shovel	8	947	118	14420	3	15
Konchera	3	705	235	11175	2	16
Plow (Power Operated)	8	24	3	866000	4	36083
Harrow(Mekeskesha)	8	13	2	531900	4	40915
Bull Dozer	-	-	-	-	-	-
Grader	-	-	-	-	-	-
Pick-Axe	4	148	37	2141	3	14
Tractor	10	32	3	5993000	3	187281
Seed Spreader	6	7	1	443195	3	63314
Fertilizer Spreader	-	-	-	-	-	-
Water Pump	8	13	2	980000	2	75385
Spreader (Hand Operated)	16	90	6	148590	3	1651
Spreader(Power Operated)	-	-	-	-	-	-
Reaper Sickle	1	10	10	50	-	5
Reaper (Power Operated)	-	-	-	-	-	-
Tying Tool	-	-	-	-	-	-
Threshing Machine	-	-	-	-	-	-
Rake (Wood)	-	-	-	-	-	-
Rake(Metal)	-	-	-	-	-	-
Winnower(Wood)	-	-	-	-	-	-
Winnower(Metal)	-	-	-	-	-	-
Winnower(Power Operator)	-	-	-	-	-	-
Wheel Barrow	-	-	-	-	-	-
Cart	1	1	1	1000	5	1000
Trailer(Cart power driven)	7	8	1	207000	6	25875
Lorry	7	10	1	1063000	5	106300
Truck	1	1	1	80000	10	80000
Animal(for transport)	-	-	-	-	-	-
Modern Storage	2	4	2	36800	3	9200
Gotera	-	-	-	-	-	-
Animal feed Mixer Mill	-	-	-	-	-	-
Incubator	-	-	-	-	-	-
Cage	-	-	-	-	-	-
Animal feed & water supplier	-	-	-	-	-	-
Chicken Heater	-	-	-	-	-	-
Conveyer	-	-	-	-	-	-
Milking Machine	-	-	-	-	-	-
Coffee Washing & Drilling mach.	-	-	-	-	-	-

TABLE 5.3.4: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - COMMERCIAL FARMS.

Amhara Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	91	2326	26	30849	3	13
Gejera	40	480	12	8354	3	17
Shovel	89	847	10	12955	4	15
Konchera	-	-	-	-	-	-
Plow (Power Operated)	44	121	3	1889753	8	15618
Harrow(Mekeskesha)	21	58	3	1047743	6	18065
Bull Dozer	3	4	1	1153708	7	288427
Grader	1	1	1	950499	5	950499
Pick-Axe	87	1284	15	17245	5	13
Tractor	46	138	3	10703926	9	77565
Seed Spreader	6	7	1	300132	7	42876
Fertilizer Spreader	-	-	-	-	-	-
Water Pump	17	41	2	1424389	4	34741
Spreader (Hand Operated)	38	112	3	50878	4	454
Spreader(Power Operated)	4	12	3	161051	14	13421
Reaper Sickle	85	7885	93	55939	3	7
Reaper (Power Operated)	2	3	2	239034	2	79678
Tying Tool	-	-	-	-	-	-
Threshing Machine	7	15	2	2231136	12	148742
Rake (Wood)	24	167	7	1001	2	6
Rake(Metal)	10	79	8	687	4	9
Winnower(Wood)	37	260	7	3646	3	14
Winnower(Metal)	4	21	5	325	2	15
Winnower(Power Operator)	-	-	-	-	-	-
Wheel Barrow	14	58	4	10405	3	179
Cart	9	11	1	18500	8	1682
Trailer(Cart power driven)	44	92	2	1807800	8	19650
Lorry	12	21	2	2635642	7	125507
Truck	6	5	1	1340000	14	268000
Animal(for transport)	54	228	4	90801	4	398
Modern Storage	34	62	2	5519106	7	89018
Gotera	6	18	3	2990	3	166
Animal feed Mixer Mill	-	-	-	-	-	-
Incubator	-	-	-	-	-	-
Cage	8	16	2	112100	8	7006
Animal feed & water supplier	-	-	-	-	-	-
Chicken Heater	-	-	-	-	-	-
Conveyer	1	1	1	50000	3	50000
Milking Machine	-	-	-	-	-	-
Coffee Washing & Drilling mach.	-	-	-	-	-	-

TABLE 5.3.5: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - COMMERCIAL FARMS.

Oromia Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	149	2529	17	40725	5	16
Gejera.....	121	5433	45	138490	4	25
Shovel	160	2118	13	30225	4	14
Konchera.....	31	369	12	3453	4	9
Plow (Power Operated).....	75	242	3	5061606	6	20916
Harrow(Mekeskesha).....	82	190	2	3745705	6	19714
Bull Dozer.....	4	5	1	6788000	9	1357600
Grader.....	-	-	-	-	-	-
Pick-Axe.....	121	1877	16	31680	5	17
Tractor.....	84	288	3	36541467	6	126880
Seed Spreader.....	21	243	12	1898532	5	7813
Fertilizer Spreader.....	5	11	2	100740	8	9158
Water Pump.....	44	122	3	3349683	6	27456
Spreader (Hand Operated).....	116	799	7	318221	5	398
Spreader(Power Operated).....	8	19	2	267550	3	14082
Reaper Sickle.....	113	3582	32	43450	3	12
Reaper (Power Operated).....	6	16	3	4503800	5	281488
Tying Tool.....	1	2	2	14	5	7
Threshing Machine.....	18	31	2	2336617	4	75375
Rake (Wood).....	27	284	11	1606	3	6
Rake(Metal).....	49	314	6	13102	4	42
Winnower(Wood).....	57	247	4	2374	3	10
Winnower(Metal).....	2	8	4	132	2	17
Winnower(Power Operator).....	-	-	-	-	-	-
Wheel Barrow.....	37	112	3	38504	5	344
Cart.....	16	26	2	26613	4	1024
Trailer(Cart power driven).....	69	164	2	3700236	7	22562
Lorry.....	53	85	2	10078933	8	118576
Truck.....	16	29	2	7156952	7	246791
Animal(for transport).....	57	182	3	76910	6	423
Modern Storage.....	68	110	2	13239339	10	120358
Gotera.....	9	20	2	3360	4	168
Animal feed Mixer Mill.....	2	3	2	580000	28	193333
Incubator.....	2	6	3	2000	10	333
Cage.....	11	18	2	372000	12	20667
Animal feed & water supplier...	2	411	206	152000	6	370
Chicken Heater.....	2	104	52	50960	8	490
Conveyer.....	-	-	-	-	-	-
Milking Machine.....	3	16	5	1735	10	108
Coffee Washing & Drilling mach.	5	16	3	1724276	9	107767

TABLE 5.3.6: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - COMMERCIAL FARMS.

Somale Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	10	167	17	2935	5	18
Gejera.....	7	70	10	1515	5	22
Shovel	11	247	22	4325	5	18
Konchera.....	2	11	6	215	4	20
Plow (Power Operated).....	2	18	9	91225	4	5068
Harrow(Mekeskesha).....	2	10	5	110	1	11
Bull Dozer.....	-	-	-	-	-	-
Grader.....	-	-	-	-	-	-
Pick-Axe.....	9	100	11	4260	5	43
Tractor.....	2	4	2	250000	15	62500
Seed Spreader.....	-	-	-	-	-	-
Fertilizer Spreader.....	1	5	5	17500	10	3500
Water Pump.....	7	17	2	80400	7	4729
Spreader (Hand Operated).....	4	8	2	7550	5	944
Spreader(Power Operated).....	-	-	-	-	-	-
Reaper Sickle.....	11	299	27	4426	4	15
Reaper (Power Operated).....	-	-	-	-	-	-
Tying Tool.....	-	-	-	-	-	-
Threshing Machine.....	-	-	-	-	-	-
Rake (Wood).....	1	15	15	80	1	5
Rake(Metal).....	1	30	30	210	10	7
Winnower(Wood).....	1	20	20	200	2	10
Winnower(Metal).....	1	10	10	70	3	7
Winnower(Power Operator).....	-	-	-	-	-	-
Wheel Barrow.....	8	38	5	8690	4	229
Cart.....	5	17	3	14400	8	847
Trailer(Cart power driven).....	2	2	1	67000	14	33500
Lorry.....	1	1	1	40000	15	40000
Truck.....	1	1	1	320000	20	320000
Animal(for transport).....	9	109	12	90850	7	833
Modern Storage.....	5	10	2	360000	27	36000
Gotera.....	2	6	3	2800	9	467
Animal feed Mixer Mill.....	-	-	-	-	-	-
Incubator.....	-	-	-	-	-	-
Cage.....	-	-	-	-	-	-
Animal feed & water supplier...	-	-	-	-	-	-
Chicken Heater.....	-	-	-	-	-	-
Conveyer.....	-	-	-	-	-	-
Milking Machine.....	-	-	-	-	-	-
Coffee Washing & Drilling mach.	-	-	-	-	-	-

TABLE 5.3.7: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - COMMERCIAL FARMS.

Benshangul-Gumuz Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	20	402	20	5764	3	14
Gejera	16	231	14	3104	2	13
Shovel	18	173	10	2563	3	15
Konchera	2	6	3	175	8	29
Plow (Power Operated)	12	28	2	313301	3	11189
Harrow(Mekeskesha)	13	25	2	524070	3	20963
Bull Dozer	1	1	1	15000	1	15000
Grader	-	-	-	-	-	-
Pick-Axe	17	258	15	2966	3	11
Tractor	11	29	3	3136465	4	108154
Seed Spreader	-	-	-	-	-	-
Fertilizer Spreader	-	-	-	-	-	-
Water Pump	2	2	1	32000	2	16000
Spreader (Hand Operated)	3	11	4	2800	3	255
Spreader(Power Operated)	-	-	-	-	-	-
Reaper Sickle	16	697	44	7014	3	10
Reaper (Power Operated)	-	-	-	-	-	-
Tying Tool	-	-	-	-	-	-
Threshing Machine	3	4	1	47000	3	11750
Rake (Wood)	7	61	9	277	2	5
Rake(Metal)	5	102	20	655	1	6
Winnower(Wood)	4	21	5	57	1	3
Winnower(Metal)	1	15	15	105	5	7
Winnower(Power Operator)	-	-	-	-	-	-
Wheel Barrow	1	2	2	600	6	300
Cart	3	3	1	16150	3	5383
Trailer(Cart power driven)	10	16	2	287180	5	17949
Lorry	2	2	1	200000	4	100000
Truck	-	-	-	-	-	-
Animal(for transport)	4	13	3	7660	4	589
Modern Storage	4	6	2	620000	4	103333
Gotera	14	18	1	2825	3	157
Animal feed Mixer Mill	-	-	-	-	-	-
Incubator	-	-	-	-	-	-
Cage	-	-	-	-	-	-
Animal feed & water supplier	-	-	-	-	-	-
Chicken Heater	-	-	-	-	-	-
Conveyer	-	-	-	-	-	-
Milking Machine	-	-	-	-	-	-
Coffee Washing & Drilling mach.	-	-	-	-	-	-

TABLE 5.3.8: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - COMMERCIAL FARMS.
(S.N.N.P.R) Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	66	3134	47	70676	3	23
Gejera.....	59	5401	92	180782	3	33
Shovel	67	2384	36	44949	3	19
Konchera.....	9	628	70	20606	3	33
Plow (Power Operated).....	15	42	3	484300	6	11531
Harrow(Mekeskesha).....	24	105	4	528224	7	5031
Bull Dozer.....	2	3	2	2500000	27	833333
Grader.....	1	1	1	189970	10	189970
Pick-Axe.....	54	2583	48	50733	4	20
Tractor.....	24	55	2	8924858	6	162270
Seed Spreader.....	5	5	1	256000	14	51200
Fertilizer Spreader.....	-	-	-	-	-	-
Water Pump.....	11	15	1	291728	4	19449
Spreader (Hand Operated).....	32	301	9	371894	4	1236
Spreader(Power Operated).....	2	2	1	43000	9	21500
Reaper Sickle.....	39	1227	31	20651	3	17
Reaper (Power Operated).....	1	1	1	700000	1	700000
Tying Tool.....	-	-	-	-	-	-
Threshing Machine.....	6	7	1	345801	13	49400
Rake (Wood).....	9	150	17	643	2	4
Rake(Metal).....	9	69	8	1486	3	22
Winnower(Wood).....	10	93	9	1006	4	11
Winnower(Metal).....	2	251	126	5359	2	21
Winnower(Power Operator).....	1	50	50	1400	3	28
Wheel Barrow.....	17	151	9	50174	3	332
Cart.....	5	7	1	6700	3	957
Trailer(Cart power driven).....	18	49	3	1598564	8	32624
Lorry.....	21	33	2	6628300	6	200858
Truck.....	7	14	2	2323448	11	165961
Animal(for transport).....	12	33	3	13900	2	421
Modern Storage.....	22	32	1	841284	6	26290
Gotera.....	3	7	2	3680	3	526
Animal feed Mixer Mill.....	-	-	-	-	-	-
Incubator.....	-	-	-	-	-	-
Cage.....	-	-	-	-	-	-
Animal feed & water supplier...	-	-	-	-	-	-
Chicken Heater.....	-	-	-	-	-	-
Conveyer.....	-	-	-	-	-	-
Milking Machine.....	-	-	-	-	-	-
Coffee Washing & Drilling mach.	3	6	2	2408592	2	401432

TABLE 5.3.9: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - COMMERCIAL FARMS.

Gambela Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	2	55	28	215	3	4
Gejera	4	440	110	12300	3	28
Shovel	4	74	19	896	4	12
Konchera	1	33	33	990	3	30
Plow (Power Operated)	1	3	3	45000	6	15000
Harrow(Mekeskesha)	2	32	16	101350	6	3167
Bull Dozer	-	-	-	-	-	-
Grader	-	-	-	-	-	-
Pick-Axe	2	30	15	390	6	13
Tractor	-	-	-	-	-	-
Seed Spreader	1	2	2	150000	4	75000
Fertilizer Spreader	-	-	-	-	-	-
Water Pump	1	1	1	800	3	800
Spreader (Hand Operated)	3	37	12	10100	4	273
Spreader(Power Operated)	-	-	-	-	-	-
Reaper Sickle	2	134	67	1608	4	12
Reaper (Power Operated)	-	-	-	-	-	-
Tying Tool	-	-	-	-	-	-
Threshing Machine	-	-	-	-	-	-
Rake (Wood)	-	-	-	-	-	-
Rake(Metal)	-	-	-	-	-	-
Winnower(Wood)	-	-	-	-	-	-
Winnower(Metal)	-	-	-	-	-	-
Winnower(Power Operator)	-	-	-	-	-	-
Wheel Barrow	-	-	-	-	-	-
Cart	-	-	-	-	-	-
Trailer(Cart power driven)	2	2	1	75000	5	37500
Lorry	2	2	1	280000	5	140000
Truck	-	-	-	-	-	-
Animal(for transport)	-	-	-	-	-	-
Modern Storage	1	1	1	50000	1	50000
Gotera	-	-	-	-	-	-
Animal feed Mixer Mill	-	-	-	-	-	-
Incubator	-	-	-	-	-	-
Cage	-	-	-	-	-	-
Animal feed & water supplier	-	-	-	-	-	-
Chicken Heater	-	-	-	-	-	-
Conveyer	-	-	-	-	-	-
Milking Machine	-	-	-	-	-	-
Coffee Washing & Drilling mach.	-	-	-	-	-	-

TABLE 5.3.10: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - COMMERCIAL FARMS.

Addis Ababa Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	3	27	9	276	12	10
Gejera.....	2	36	18	360	4	10
Shovel	7	432	62	5402	6	13
Konchera.....	1	75	75	1125	10	15
Plow (Power Operated).....	-	-	-	-	-	-
Harrow(Mekeskesha).....	-	-	-	-	-	-
Bull Dozer.....	-	-	-	-	-	-
Grader.....	-	-	-	-	-	-
Pick-Axe.....	8	723	90	10430	7	14
Tractor.....	-	-	-	-	-	-
Seed Spreader.....	-	-	-	-	-	-
Fertilizer Spreader.....	-	-	-	-	-	-
Water Pump.....	4	17	4	953530	4	56090
Spreader (Hand Operated).....	3	5	2	2110	5	422
Spreader(Power Operated).....	-	-	-	-	-	-
Reaper Sickle.....	8	455	57	2506	4	6
Reaper (Power Operated).....	-	-	-	-	-	-
Tying Tool.....	-	-	-	-	-	-
Threshing Machine.....	-	-	-	-	-	-
Rake (Wood).....	-	-	-	-	-	-
Rake(Metal).....	3	29	10	393	7	14
Winnower(Wood).....	3	12	4	165	9	14
Winnower(Metal).....	-	-	-	-	-	-
Winnower(Power Operator).....	-	-	-	-	-	-
Wheel Barrow.....	3	7	2	970	5	139
Cart.....	1	1	1	550	6	550
Trailer(Cart power driven).....	-	-	-	-	-	-
Lorry.....	-	-	-	-	-	-
Truck.....	-	-	-	-	-	-
Animal(for transport).....	2	14	7	5000	5	357
Modern Storage.....	-	-	-	-	-	-
Gotera.....	-	-	-	-	-	-
Animal feed Mixer Mill.....	-	-	-	-	-	-
Incubator.....	-	-	-	-	-	-
Cage.....	-	-	-	-	-	-
Animal feed & water supplier...	-	-	-	-	-	-
Chicken Heater.....	-	-	-	-	-	-
Conveyer.....	-	-	-	-	-	-
Milking Machine.....	-	-	-	-	-	-
Coffee Washing & Drilling mach.	-	-	-	-	-	-

TABLE 5.4.1: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - OTHER FARMS.

Ethiopia

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	432	2107	5	27556	8	13
Gejera	435	4999	11	102139	7	20
Shovel	872	5987	7	82773	7	14
Konchera	71	703	10	10541	7	15
Plow (Power Operated)	40	88	2	1279514	11	14540
Harrow(Mekeskesha)	145	841	6	2523747	9	3001
Bull Dozer	2	2	1	2035	13	1018
Grader	1	3	3	90000	15	30000
Pick-Axe	780	7007	9	93409	9	13
Tractor	41	112	3	14754013	11	131732
Seed Spreader	12	21	2	635429	12	30259
Fertilizer Spreader	2	3	2	77342	12	25781
Water Pump	35	59	2	3131564	11	53077
Pesticdes Spreader (Hand Operated)	74	195	3	128247	7	658
Pesticides Spreader(Power Operated)	7	15	2	434684	10	28979
Reaper Sickle	525	5637	11	56577	6	10
Reaper (Power Operated)	16	63	4	913895	10	14506
Tying Tool	2	5	3	174	7	35
Threshing Machine	6	10	2	1969000	14	196900
Rake (Wood)	51	254	5	1237	4	5
Rake(Metal)	31	227	7	3183	9	14
Winnower(Wood)	46	155	3	1047	5	7
Winnower(Metal)	2	3	2	18	9	6
Winnower(Power Operator)	-	-	-	-	-	-
Wheel Barrow	72	288	4	47925	7	166
Cart	15	24	2	45100	6	1879
Trailer(Cart power driven)	33	76	2	3388442	11	44585
Lorry	24	38	2	5451804	11	143469
Truck	6	6	1	901440	18	150240
Animal(for transport)	52	344	7	267923	6	779
Modern Storage	57	110	2	6807576	13	61887
Gotera	179	337	2	18099	5	54
Animal feed Mixer Mill	5	5	1	210950	14	42190
Incubator	1	2	2	4000	10	2000
Cage	18	66	4	4106371	9	62218
Animal feed & water supplier	2	696	348	80976	22	116
Chicken Heater	4	144	36	202000	12	1403
Conveyer	1	4	4	40000	1	10000
Milking Machine	6	27	5	170310	8	6308
Coffee Washing & Drilling mach.	-	-	-	-	-	-

TABLE 5.4.2: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - OTHER FARMS.

Tigray Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	3	24	8	318	6	13
Gejera	2	50	25	310	6	6
Shovel	5	137	27	1184	5	9
Konchera	-	-	-	-	-	-
Plow (Power Operated)	-	-	-	-	-	-
Harrow(Mekeskesha)	1	10	10	150	5	15
Bull Dozer	-	-	-	-	-	-
Grader	-	-	-	-	-	-
Pick-Axe	5	137	27	1752	5	13
Tractor	1	2	2	-	-	-
Seed Spreader	-	-	-	-	-	-
Fertilizer Spreader	-	-	-	-	-	-
Water Pump	2	2	1	40000	16	20000
Spreader (Hand Operated)	3	11	4	22020	7	2002
Spreader(Power Operated)	-	-	-	-	-	-
Reaper Sickle	5	52	10	440	3	8
Reaper (Power Operated)	-	-	-	-	-	-
Tying Tool	-	-	-	-	-	-
Threshing Machine	-	-	-	-	-	-
Rake (Wood)	-	-	-	-	-	-
Rake(Metal)	-	-	-	-	-	-
Winnower(Wood)	-	-	-	-	-	-
Winnower(Metal)	-	-	-	-	-	-
Winnower(Power Operator)	-	-	-	-	-	-
Wheel Barrow	3	78	26	15600	3	200
Cart	1	1	1	3000	15	3000
Trailer(Cart power driven)	-	-	-	-	-	-
Lorry	-	-	-	-	-	-
Truck	-	-	-	-	-	-
Animal(for transport)	1	1	1	650	10	650
Modern Storage	4	8	2	29007	11	3626
Gotera	-	-	-	-	-	-
Animal feed Mixer Mill	-	-	-	-	-	-
Incubator	-	-	-	-	-	-
Cage	-	-	-	-	-	-
Animal feed & water supplier	-	-	-	-	-	-
Chicken Heater	-	-	-	-	-	-
Conveyer	-	-	-	-	-	-
Milking Machine	-	-	-	-	-	-
Coffee Washing & Drilling mach.	-	-	-	-	-	-

TABLE 5.4.3: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - OTHER FARMS.

Amhara Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	89	320	4	3334	8	10
Gejera.....	76	398	5	4416	7	11
Shovel	169	1390	8	16169	7	12
Konchera.....	-	-	-	-	-	-
Plow (Power Operated).....	6	11	2	58204	10	5291
Harrow(Mekeskesha).....	29	244	8	7770	9	32
Bull Dozer.....	1	1	1	35	5	35
Grader.....	-	-	-	-	-	-
Pick-Axe.....	176	1722	10	18406	9	11
Tractor.....	9	9	1	768155	8	85351
Seed Spreader.....	1	1	1	8521	9	8521
Fertilizer Spreader.....	1	1	1	1342	9	1342
Water Pump.....	8	9	1	216613	7	24068
Spreader (Hand Operated).....	8	13	2	3736	3	287
Spreader(Power Operated).....	1	1	1	480	1	480
Reaper Sickle.....	133	1472	11	13424	6	9
Reaper (Power Operated).....	6	13	2	19614	5	1509
Tying Tool.....	1	2	2	24	11	12
Threshing Machine.....	-	-	-	-	-	-
Rake (Wood).....	20	104	5	538	3	5
Rake(Metal).....	7	49	7	749	7	15
Winnower(Wood).....	14	58	4	473	5	8
Winnower(Metal).....	1	1	1	12	15	12
Winnower(Power Operator).....	-	-	-	-	-	-
Wheel Barrow.....	17	78	5	10459	7	134
Cart.....	5	6	1	13040	5	2173
Trailer(Cart power driven).....	6	7	1	2048000	8	292571
Lorry.....	3	7	2	769999	6	110000
Truck.....	-	-	-	-	-	-
Animal(for transport).....	10	63	6	59713	5	948
Modern Storage.....	9	12	1	303200	11	25267
Gotera.....	21	63	3	1090	6	17
Animal feed Mixer Mill.....	1	1	1	80000	17	80000
Incubator.....	-	-	-	-	-	-
Cage.....	7	20	3	304900	7	15245
Animal feed & water supplier...	-	-	-	-	-	-
Chicken Heater.....	1	80	80	80000	7	1000
Conveyer.....	-	-	-	-	-	-
Milking Machine.....	-	-	-	-	-	-
Coffee Washing & Drilling mach.	-	-	-	-	-	-

TABLE 5.4.4: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - OTHER FARMS.

Oromia Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	205	776	4	11020	8	14
Gejera	191	1128	6	20908	7	19
Shovel	443	2805	6	42184	8	15
Konchera	36	530	15	7234	8	14
Plow (Power Operated)	22	50	2	819620	10	16392
Harrow(Mekeskesha)	67	364	5	816431	10	2243
Bull Dozer	1	1	1	2000	20	2000
Grader	1	3	3	90000	15	30000
Pick-Axe	392	2893	7	40938	9	14
Tractor	18	68	4	10739969	12	157941
Seed Spreader	6	14	2	487907	14	34851
Fertilizer Spreader	1	2	2	76000	15	38000
Water Pump	14	32	2	2646625	13	82707
Spreader (Hand Operated)	42	113	3	89646	8	793
Spreader(Power Operated)	5	11	2	432320	11	39302
Reaper Sickle	242	2921	12	31239	7	11
Reaper (Power Operated)	9	49	5	874281	12	17842
Tying Tool	-	-	-	-	-	-
Threshing Machine	5	8	2	1919000	14	239875
Rake (Wood)	22	108	5	573	4	5
Rake(Metal)	19	112	6	1929	9	17
Winnower(Wood)	26	80	3	502	5	6
Winnower(Metal)	-	-	-	-	-	-
Winnower(Power Operator)	-	-	-	-	-	-
Wheel Barrow	20	46	2	9015	8	196
Cart	4	4	1	11560	4	2890
Trailer(Cart power driven)	16	47	3	870638	11	18524
Lorry	15	19	1	2606816	12	137201
Truck	4	4	1	395000	22	98750
Animal(for transport)	30	121	4	80790	5	668
Modern Storage	28	41	1	5756469	13	140402
Gotera	71	119	2	6009	6	50
Animal feed Mixer Mill	1	1	1	40000	8	40000
Incubator	1	2	2	4000	10	2000
Cage	7	11	2	320330	11	29121
Animal feed & water supplier	1	56	56	8400	39	150
Chicken Heater	1	1	1	5000	15	5000
Conveyer	1	4	4	40000	1	10000
Milking Machine	6	27	5	170310	8	6308
Coffee Washing & Drilling mach.	-	-	-	-	-	-

TABLE 5.4.5: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - OTHER FARMS.

Somale Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	8	121	15	1355	4	11
Gejera.....	4	22	6	360	5	16
Shovel	9	108	12	2044	4	19
Konchera.....	-	-	-	-	-	-
Plow (Power Operated).....	1	1	1	1200	4	1200
Harrow(Mekeskesha).....	1	3	3	30	4	10
Bull Dozer.....	-	-	-	-	-	-
Grader.....	-	-	-	-	-	-
Pick-Axe.....	7	47	7	755	6	16
Tractor.....	1	1	1	80000	7	80000
Seed Spreader.....	-	-	-	-	-	-
Fertilizer Spreader.....	-	-	-	-	-	-
Water Pump.....	6	6	1	31500	7	5250
Spreader (Hand Operated).....	1	1	1	520	6	520
Spreader(Power Operated).....	-	-	-	-	-	-
Reaper Sickle.....	7	143	20	1477	4	10
Reaper (Power Operated).....	-	-	-	-	-	-
Tying Tool.....	-	-	-	-	-	-
Threshing Machine.....	-	-	-	-	-	-
Rake (Wood).....	1	10	10	30	6	3
Rake(Metal).....	1	3	3	15	3	5
Winnower(Wood).....	1	2	2	20	2	10
Winnower(Metal).....	-	-	-	-	-	-
Winnower(Power Operator).....	-	-	-	-	-	-
Wheel Barrow.....	4	13	3	3420	7	263
Cart.....	4	12	3	16300	8	1358
Trailer(Cart power driven).....	-	-	-	-	-	-
Lorry.....	-	-	-	-	-	-
Truck.....	1	1	1	400000	8	400000
Animal(for transport).....	5	148	30	122210	9	826
Modern Storage.....	2	3	2	44000	9	14667
Gotera.....	4	6	2	4060	9	677
Animal feed Mixer Mill.....	-	-	-	-	-	-
Incubator.....	-	-	-	-	-	-
Cage.....	-	-	-	-	-	-
Animal feed & water supplier...	-	-	-	-	-	-
Chicken Heater.....	-	-	-	-	-	-
Conveyer.....	-	-	-	-	-	-
Milking Machine.....	-	-	-	-	-	-
Coffee Washing & Drilling mach.	-	-	-	-	-	-

TABLE 5.4.6: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - OTHER FARMS.

Benshangul-Gumuz Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	8	44	6	327	5	7
Gejera	5	28	6	280	4	10
Shovel	22	88	4	1433	4	16
Konchera	2	4	2	29	5	7
Plow (Power Operated)	1	5	5	69475	15	13895
Harrow(Mekeskesha)	3	7	2	28828	6	4118
Bull Dozer	-	-	-	-	-	-
Grader	-	-	-	-	-	-
Pick-Axe	21	124	6	1348	4	11
Tractor	1	5	5	287280	15	57456
Seed Spreader	-	-	-	-	-	-
Fertilizer Spreader	-	-	-	-	-	-
Water Pump	2	3	2	88234	8	29411
Spreader (Hand Operated)	1	1	1	1300	5	1300
Spreader(Power Operated)	-	-	-	-	-	-
Reaper Sickle	9	38	4	380	3	10
Reaper (Power Operated)	-	-	-	-	-	-
Tying Tool	1	3	3	150	2	50
Threshing Machine	-	-	-	-	-	-
Rake (Wood)	1	10	10	10	3	1
Rake(Metal)	-	-	-	-	-	-
Winnower(Wood)	1	4	4	20	3	5
Winnower(Metal)	-	-	-	-	-	-
Winnower(Power Operator)	-	-	-	-	-	-
Wheel Barrow	2	4	2	346	8	87
Cart	-	-	-	-	-	-
Trailer(Cart power driven)	1	5	5	59150	15	11830
Lorry	1	2	2	88699	15	44350
Truck	1	1	1	106440	15	106440
Animal(for transport)	-	-	-	-	-	-
Modern Storage	-	-	-	-	-	-
Gotera	33	45	1	1200	3	27
Animal feed Mixer Mill	-	-	-	-	-	-
Incubator	-	-	-	-	-	-
Cage	-	-	-	-	-	-
Animal feed & water supplier	-	-	-	-	-	-
Chicken Heater	-	-	-	-	-	-
Conveyer	-	-	-	-	-	-
Milking Machine	-	-	-	-	-	-
Coffee Washing & Drilling mach.	-	-	-	-	-	-

TABLE 5.4.7: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - OTHER FARMS.

(S.N.N.P.R) Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	116	790	7	10433	7	13
Gejera.....	155	3342	22	75105	7	22
Shovel	221	1421	6	18884	8	13
Konchera.....	32	167	5	3268	7	20
Plow (Power Operated).....	10	21	2	331015	14	15763
Harrow(Mekeskesha).....	44	213	5	1670538	10	7843
Bull Dozer.....	-	-	-	-	-	-
Grader.....	-	-	-	-	-	-
Pick-Axe.....	176	2051	12	29255	10	14
Tractor.....	11	27	2	2878609	12	106615
Seed Spreader.....	5	6	1	139001	10	23167
Fertilizer Spreader.....	-	-	-	-	-	-
Water Pump.....	3	7	2	108592	21	15513
Spreader (Hand Operated).....	19	56	3	11025	8	197
Spreader(Power Operated).....	1	3	3	1884	10	628
Reaper Sickle.....	128	981	8	8867	7	9
Reaper (Power Operated).....	1	1	1	20000	15	20000
Tying Tool.....	-	-	-	-	-	-
Threshing Machine.....	1	2	2	50000	12	25000
Rake (Wood).....	7	22	3	87	4	4
Rake(Metal).....	4	63	16	490	13	8
Winnower(Wood).....	4	11	3	32	4	3
Winnower(Metal).....	1	2	2	6	2	3
Winnower(Power Operator).....	-	-	-	-	-	-
Wheel Barrow.....	25	68	3	8855	8	130
Cart.....	1	1	1	1200	7	1200
Trailer(Cart power driven).....	10	17	2	410654	13	24156
Lorry.....	5	10	2	1986290	9	198629
Truck.....	-	-	-	-	-	-
Animal(for transport).....	6	11	2	4560	6	415
Modern Storage.....	14	46	3	674900	16	14672
Gotera.....	49	103	2	5710	3	55
Animal feed Mixer Mill.....	3	3	1	90950	15	30317
Incubator.....	-	-	-	-	-	-
Cage.....	4	35	9	3481141	10	99461
Animal feed & water supplier...	1	640	640	72576	5	113
Chicken Heater.....	2	63	32	117000	13	1857
Conveyer.....	-	-	-	-	-	-
Milking Machine.....	-	-	-	-	-	-
Coffee Washing & Drilling mach.	-	-	-	-	-	-

TABLE 5.4.8: TOTAL NUMBER OF FARMS REPORTING FARM IMPLEMENTS,QUANTITY REPORTED, REPLACEMENT VALUE, AND DURATION OF SERVICE BY TYPE - OTHER FARMS.

Gambela Killil

Item	Number of Farms Reporting	Number Reported	Average Number per Farms Reporting	Total Value (in Birr)	Duration of Service (in Years)	Average Replacement Value/ implement
Axe	3	32	11	769	3	24
Gejera.....	2	31	16	760	2	25
Shovel	3	38	13	876	2	23
Konchera.....	1	2	2	10	2	5
Plow (Power Operated).....	-	-	-	-	-	-
Harrow(Mekeskesha).....	-	-	-	-	-	-
Bull Dozer.....	-	-	-	-	-	-
Grader.....	-	-	-	-	-	-
Pick-Axe.....	3	33	11	954	2	29
Tractor.....	-	-	-	-	-	-
Seed Spreader.....	-	-	-	-	-	-
Fertilizer Spreader.....	-	-	-	-	-	-
Water Pump.....	-	-	-	-	-	-
Spreader (Hand Operated).....	-	-	-	-	-	-
Spreader(Power Operated).....	-	-	-	-	-	-
Reaper Sickle.....	1	30	30	750	2	25
Reaper (Power Operated).....	-	-	-	-	-	-
Tying Tool.....	-	-	-	-	-	-
Threshing Machine.....	-	-	-	-	-	-
Rake (Wood).....	-	-	-	-	-	-
Rake(Metal).....	-	-	-	-	-	-
Winnower(Wood).....	-	-	-	-	-	-
Winnower(Metal).....	-	-	-	-	-	-
Winnower(Power Operator).....	-	-	-	-	-	-
Wheel Barrow.....	1	1	1	230	2	230
Cart.....	-	-	-	-	-	-
Trailer(Cart power driven).....	-	-	-	-	-	-
Lorry.....	-	-	-	-	-	-
Truck.....	-	-	-	-	-	-
Animal(for transport).....	-	-	-	-	-	-
Modern Storage.....	-	-	-	-	-	-
Gotera.....	1	1	1	30	1	30
Animal feed Mixer Mill.....	-	-	-	-	-	-
Incubator.....	-	-	-	-	-	-
Cage.....	-	-	-	-	-	-
Animal feed & water supplier...	-	-	-	-	-	-
Chicken Heater.....	-	-	-	-	-	-
Conveyer.....	-	-	-	-	-	-
Milking Machine.....	-	-	-	-	-	-
Coffee Washing & Drilling mach.	-	-	-	-	-	-

Ethiopian Agricultural Sample Enumeration
Large and medium scale farm
Agricultural practices 2001/02 (1994 E.C)

Part 1. Identification particulars

1	2	3	4	5	6	7	8
Killil	zone	wereda	Name of interprise/farm	kebele/ farm assocaiton	Type of farm state= Coorporative=3 private commerical =2 0thers=4	Name of Enterprice	Typeof agriculture holding crop only=1 livestock only=2 Both =3

Part -2 List of Temporary and permanent Crops and agricultural practice (meher season)

1	2	3	4	5	6	7	8	9		10		11	12	13		14	15	16
					Did the field fertilized								Was crop damaged?				Number of trees for Permanet crop	
sr No	Name of Temoporary crop	Variety of seeds used Improved=1 Local=2	was the field irrigated ? Yes = 1 No = 2	If code"1" in column 4 source of water River=1 Lake=2 pond=3 tap water=4 others=5	yes=1 No=2	If code"1" in column 6 then type of fertilizer used Natural =1 Chemical=2 Both =3	If chemical fertilizer (code=2 or 3 in column 6)					was pesticides used ? yes=1 No=2	yes=1 No=2	If yes, what was the major cause of the damage?			Matured Tress	Un matured Tress
	code						Type	Quantity		Costs					code			
								Kilo gram	Gram	Birr	Cents							
01																		
02																		
03																		
04																		
05																		
Permanet Crop name																		
01																		
02																		
03																		
04																		

UREA=1
DAP =2
others =3
1& 2 = 4
1& 3 = 5
2& 3 = 6
All =7

Part-3- Improved seed, irrigatation, fertilizer and pesticides used area (Meher season)

1	2		3		4		5		6		7		8		9	10	11	
Sr No		Crop Name	Improved seed		Irrigated Area in Ha		Natural Area in Ha		Type of fertilizer applied UREA Area in Ha		DAP Area in Hactare		DAP+UREA Area in Ha		Others Area in Ha	pesticide applied area code	Area in hactare	
		code	Area in Ha															
0	1																	
0	2																	
0	3																	
0	4																	
0	5																	
0	6																	
0	7																	
0	8																	
0	9																	
1	0																	

For Col. II
Insecticide =1
feugicide =2
Herbicides =3
1&2 = 4
1&3 = 5
2&3 = 6
All = 7

part-4 Land use (for Meher season)

1		2			3	
Sr No		Type of land use		code	Area in Hactares	
0	1	Area	Permanent crop			
0	2	Under	Temporary crop			
0	3	Follow land				
0	4	Grazing land				
0	5	Forest land				
0	6	Others				
		Total				

Ethiopian Agricultural sample Enumeration Commision
Large and medium scale farm crop area and volume of production
Crop area and volume of production for Temporary and Permanent crop (Meher season) 2001/02 (1994E.C)

Part 1- Identification Particular

1	2	3	4	5	6	7	8
Killil	Zone	Wereda	Name of Enterprise/farm	kebele farm/ assocaiton locatio	Type of farm state=1 Coorporative 3 privatre commerical =2 0thers=4	Name of interprise/farm	Type of agriculture holding crop only=1 livestock only=2 Both =3

Part -2 Crop area and volume of production for Temporary and Permanent crops (for Meher season)

1	2		3	4	5	6		7		8
					Was the crop damaged?					
Sr No	Crop name	code	Area of the field under crop (in hactare)	Volume of production Quintal	Yes=1 NO= 2	If yes, what was the major cause of the damage?	Code	Percentage of the damage?		Remark
01										
02										
03										
04										
05										
06										
07										
08										
09										
10										

Part 5 - Quantity and cost of improved and/or local seed used (for Meher season)

1		2		3		4		5		6	
Sr No		Crop Name		Improved seed				Local seeds			
				Quantitiy		Cost		Quantity		Cost	
			code	Kilogram	Gram	Birr	cents	Kilogram	Gram	Birr	cents
0	1										
0	2										
0	3										
0	4										
0	5										
0	6										
0	7										
0	8										
0	9										
1	0										

Part 6 - Type Quantitiy and Cost of pesticides used for (Meher Season)

1		2		3		4		5		6	
Sr No		Name of Pesticide		Type Quantitiy and cost of pesticides							
				Type Insecticide=1 feugicide= 2 Herbicide =3		Name of measurment		Quantity		Cost	
			code		code		code				
0	1									Birr	cents
0	2										
0	3										
0	4										
0	5										
0	6										
0	7										
0	8										
0	9										
1	0										

Ethiopian Agricultural Sample Enumeration commision

Large and medium scale Farm

Transport and storageFacilities

Part 1 Identification Particular

1	2	3	4	5	6	7	8
Killil	Zone	Wereda	Name Enterprise/farm	kebele/ farm associalton	Type of farm state=1 Coorporative = 3 privatre commerical =2 0thers=4	Name of Enterprice	Typeof agriculture holding crop only=1 livestock only=2 Both =3

Part -2- Quantity and Cost of farm implements

1		2		3	4		5		6	7
Sr No		Name of farm implements	CODE	Quantity	Average Replacement cost per farm implement Birr	Cents	Total Cost Birr	Cents	Average Service Year	Remark
		used for land clearing								
0	1	Axes								
0	2	Chopper								
0	3	Spade								
0	4	Shovel								
		used for cultivation								
0	5	Plow tractor operated								
0	6	Harrow								
0	7	Buldozer								
0	8	Grader								
0	9	Ditcher								
1	0	Hoe								
1	1	Tractor								
1	2	Seed spreader								
1	3	Fertilizer Spreader								
1	4	Water pump								
1	5	Pesticides spreader (Hand operated)								
1	6	Pesticides spreader(power operated)								
		used for thresting								
1	7	Reapes sickle								
1	8	Reapar power (operated)								
1	9	Tying tool								
2	0	Threshing machine								
2	1	Rexe(wood operated)								
2	2	Rexe(metal)								
2	3	Winnower (wood)								
2	4	winnower (metal)								
2	5	Winnower(power operated)								
2	6	Others/Specify								

Part 3- Quantity and Cost of Transport and storage Facilities

1		2		3	4		5		6	7
Sr No		Name of trasport and storage facilities	code	Quantity	Average replacement value per implement Birr	Cents	Total Cost Value Birr	Cents	Average service Year	Remark
		Trasport and facilities								
0	1	Wheelbollow								
0	2	Cart								
0	3	Trailer (power operated)								
0	4	Lorry								
0	5	Track								
0	6	Animals								
0	7	Others/spacify								
		Storage facilities								
1	8	Modern store								
1	9	Gotera								
1	0	Others/spacify								

Part- 4 - Quantitiy and Cost of other modern Farm Implements

1		2		3	4		5		6	7
Sr NO		Name of equipment	code	Quantitiy	Average replacement value per implement Birr	Cents	Total cost Birr	Cents	Average service Year	Remark
0	1	Animal feed Mixer Mill								
0	2	Incubator								
0	3	Cage								
0	4	Animal feed water supplier								
0	5	Chicken heater								
0	6	Convoyer								
0	7	Miliking Machine								
0	8	Coffee washing and driling machine								
		Others/spacify								
0	9									
1	0									
1	1									
		Total								