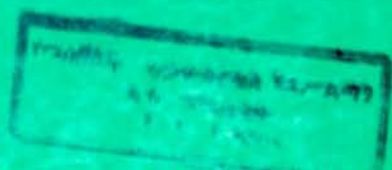


FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA

CENTRAL STATISTICAL AUTHORITY



CROP PRODUCTION FORECAST SAMPLE SURVEY
2002/03 (1995 E.C.)
(September 11-October 10, 2002)

REPORT ON
FORECAST OF AREA AND PRODUCTION OF MAJOR
CROPS

(For Rural Private Peasant Holdings)

Addis Ababa
December, 2002

271

STATISTICAL BULLETIN

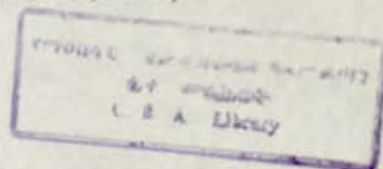
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CHAPTER I

BACKGROUND

1.1 Introduction

With a global shift to market economy, the need for timely and reliable agricultural information has become more important than ever before in the decision making process at international level in general, and in developing countries in particular, where the sector plays a major role in the countries economy.

To be more specific, reliable annual food crop production forecast estimates prior to harvest are in a growing demand, as countries mark serious efforts to plan development programs at national and regional levels, so as to tackle the problem of feeding their population and to raise their levels of living.

Likewise, in Ethiopia agriculture is the predominant activity of the population and the leading sector in the country's economy. It accounts for about 50 percent of the GDP, employs about 80 percent of the labour force, generates about 85 percent of commodity export earnings and provides raw materials for about 70 percent of the country's large and medium sized industries (MEDaC, July, 1999).

Moreover, crop production sub-sector's contribution to the country's economy is estimated to be the highest, which is about 60 percent when compared to the contribution of other sub-sectors such as livestock, forestry, fishery, ...etc., which among others, proved food availability for the majority of the Ethiopians

remain and continue to be determined by its domestic crop production (MEDaC, July, 1999).

On the contrary, for the last two decades, Ethiopia has been hit by frequent and cyclical drought and consequently faced with food shortages to feed its population in some parts of the country where the drought problem has repeated also this year. The current drought in, pastoral and in most parts of the cropping areas of the country is expected to increase both in terms of area coverage and the size of the victim population (DPPC, Appeal for immediate food needs, 30 September, 2002). Currently efforts are being made by government and non-government organizations to provide food assistance for those in need of food aid as a result of the recurrent drought.

In Ethiopia, assessing total food supplies and providing timely early warning signals to the emerging difficulties due to drought and other natural calamities are and remain to be the primary objectives of the efforts to be made by the government and the concerned non-government organizations. Towards this end, many factors need to be taken into consideration. Among these factors, obtaining reliable and timely pre-harvest forecast estimates of food crop production is paramount importance. Hence, compiling reliable, accurate and timely crop production forecast data for users should get prior consideration. In order to take all the necessary and appropriate measures in administering exports or imports, management of stocks and distribution of food to deficit regions, regulation of price control both during periods of surplus or deficit...etc. have to be given due attention

In agricultural statistics the term "forecast" is used to indicate qualitative or quantitative information compiled and released before harvest. It differs from an "estimate" which is always quantitative and compiled during harvest time or afterwards.

A forecast of crop production can therefore be defined as a statement of the most probable production of the crop, which is expected to be obtained from the coming harvest, based on reasonable expectations of the crop growing conditions through the harvest period.

The 2002/03 (1995 E.C.) Crop Production Forecast estimates are based on data collected from peasant holders using scientifically accepted probability sampling methodology subject to the conditions and expectations for harvest at the time of data collection, that is, from 11 September through 10 October 2002 (i.e. from Meskerem 1 to 30, 1995 E.C.).

This report is therefore, presents basic information on the area and production of major crops production forecast for the coming 2002/03 (1995 E.C.), Meher season harvest, at country, regional as well as zonal/special wereda levels.

1.2 Objectives of the Crop Production Forecast Survey

The objectives of the 2002/03 (1995 E.C.) Crop Production Forecast survey is to produce basic quantitative information on area and expected production of major food crops . This information can serve as an earlier indicator to warn policy makers and planners about the emerging difficulties that result from surplus of deficit crop production in the coming main season harvest.

Therefore, timely crop production forecast estimates made on the quantity of the expected production of the 2002/03 (1995 E.C.) Meher (Main) season crops prior to their harvest are used as a primary input for policy preparation and implementation of timely measures such as administering exports or imports, management of stocks and distribution of food to different regions, regulation of prices at the time of surplus or deficits, ...etc.

CHAPTER II

SURVEY METHODOLOGY, DATA COLLECTION AND PROCESSING

2.1 SCOPE, COVERAGE AND CONTENT OF THE SURVEY

The 2002/03 (1995 E.C.) annual Crop Production Forecast Sample Survey was designed to cover the **sedentary rural** agricultural population in all regions of the country. This coverage encompasses a total of 11 regions, 54 zones and eight special weredas which were designated in the sampling design as the area basis reporting domains for the survey. The geographic coverage of the survey is given in Table 2.1.

The original sample selected totaled 2040 enumeration areas (EAs). These EAs were selected at the zonal level to be enumerated for the survey to provide specific coverage within all regions. For this report, however, the number of EAs that were completed and acceptable for tabulation totaled 2003 EAs. The remaining 37 EAs were incomplete and unusable due to various reasons. In each EA a sample of 25 agricultural households were selected and interviewed for the forecast sample survey that resulted in a total of 49948 sampled households.

2.2 SAMPLE DESIGN

The 2002/03 (1995 E.C.) Crop Production Forecast covered all the rural parts of the country except three zones in **Afar** Region and six zones in **Somali** Region that are predominantly nomadic. A two-stage stratified cluster sample design was used to select the sample. Each zones/special weredas was adopted as stratum for which major findings of the survey are reported. But each of the four regions; namely,

Gambella, Harari, Addis Ababa and Dire Dawa were considered as strata/reporting levels.

**Summary Table II.1 AREAL COVERAGE OF THE 2002/03 (1995 E.C.)
CROP PRODUCTION FORECAST SURVEY**

Region	Number of Zones	
	Total	Covered
Tigray	5	5
Afar	5	2
Amhara	10	10
Oromia	13	13
Somali	9	3
Benishangul-Gumuz	3	3
S.N.N.P.R.	21	21
Gambella	2	2
Harari	1	1
Addis Ababa	1 ¹	1 ²
Dire Dawa	1	1
Total	71	62

The Primary Sampling Units (PSUs) were subsampled Enumeration Areas (EAs) of the 2001/2 (1994E.C) Ethiopian Agricultural Sample Enumeration and agricultural households were the secondary sampling units within each sample EAs. The survey questionnaires were administered to all agricultural holders

1 All Zones of Addis Ababa are considered as one reporting level.

2 Region is considered as a reporting level.

within the sample households. A fixed number of 24 to 48 sample EAs was determined for each stratum /reporting level based on precision for major estimates and cost considerations.

Within each stratum EAs were selected using probability proportional to size from samples of the 2001/2 (1994E.C) Ethiopian Agricultural Sample Enumeration; size being total number of agricultural households in the EAs as obtained from the 1994 Population and Housing Census and adjusted for sub-sampling-effect from samples of the 1994(2001/2) Ethiopian Agricultural Sample Enumeration. Twenty-five agricultural households were systematically selected for the crop production forecast survey from a fresh list of households prepared at the beginning of the fieldwork.

A total of 2040 EAs were selected for the Crop Production Forecast Survey. However, from 37 EAs forecast data were not collected for various reasons. Hence the survey succeeded in covering 2003(98.19%) EAs. With respect to ultimate sampling units, for the crop forecast survey, it was planned to cover 51000 agricultural households for area measurement and crop condition factors. An estimation procedure of parameters of interest (total and ratio) and their sampling error is presented in **Appendix I**. Standard errors and coefficient of variation of estimate are given in **Appendix II**. Distribution of the number of sampling units sampled and covered by strata is given in **Appendix III**.

3. Field Organization

In order to systematically and efficiently accomplish the data collection activities of the 2002/03 (1995 E.C.) Crop Production Forecast Sample Survey

in the field, a comprehensive field organization was exercised. Accordingly, all the technical personnel of CSA, heads of the 25 Branch Statistical Offices as well as field supervisors and enumerators were fully involved in the administration of the 2002/03 (1995 E.C.) Crop Production Forecast Sample Survey operations. For conducting the survey, a total of 2240 (including 10% reserves) field enumerators were recruited, trained and were assigned in each selected sample EA. One supervisor is assigned to closely supervise and follow up the work of 4-5 enumerators. Moreover, experts from the CSA's headquarters, and other supporting staff were involved in the survey operation.

All enumerators were equipped with the necessary survey material and equipment such as questionnaires, instruction manuals, compasses, measuring tapes, programmable calculators, iron pegs, ... etc. just before the enumerators were employed to their respective enumeration areas (The survey questionnaires are given in Appendix IV).

3.1 Training Of Field Staff

Before conducting the Crop Production Forecast Sample Survey, it required considerable planning and acquisition of all relevant survey materials. These included the training of personnel, procurement of equipment, designing and printing of questionnaires, as well as enumerators' and supervisors' instruction manuals.

The training program for this survey was carried out in two stages. In the first stage, 85 trainees from the CSA professional staff were trained for 3 days at CSA headquarters. Those trained in the first stage conducted similar training for

about 400 field supervisors and 2240 field enumerators for one week at the 25 Branch Statistical Offices located all over the country..

The content of the training document focused on specific and details pertaining to the survey, including detailed classroom instruction on the purpose, terminology, concepts and definitions used in the process of under taking the survey. Furthermore, the training program comprised field practices i.e. how to correctly complete each questionnaire and undertaking the operations of field area measurement techniques.

4. Method of Data Collection and Crop Production Forecasting

4.1 Method of Data Collection

The data collected from the sample agricultural holders for the crop production forecast estimates consisted of both subjective questions that is meant to obtain information pertaining to the nature of productivity expectations through direct interviews and objective method associated with field measurements. Data are collected objectively by measuring all fields under temporary and permanent crops using compasses and measuring tapes (see **Appendix III** for the total number of fields measured). On the other hand, the expected crop production forecast estimates are calculated from the data that are collected directly from the sampled peasant household or holder. The sampled holders subjectively responded concerning the "conditions" or the expected percentage changes on crop yields (i.e. increase or decrease) as compared to last year's yield. The enumerator is trained to systematically present the questions to the

respondents on percentage changes using the local translation and meaning. The enumerator is also trained on how to use comparative associations to represent the concept of percentage changes in units to the holder in such a way that he/she could calculate the percentage changes and fill in the questionnaire.

This forecast estimation procedure has proven successful in the past years and also avoids the serious problems in Ethiopia of using many different local units of measurements that the farmers could otherwise report on absolute yield. This subjective data on percentage yield change is recorded on the questionnaire for each temporary and major permanent crops by interviewing all holders within the selected 25 agricultural households in each enumeration area.

4.2 Method of Crop Production Forecasting

The Crop Production Forecast for 2002/03 (1995 E.C.) is based on what could be considered a three-component production "Model". The first component production "model" is the survey's direct expansion estimate of the actual cultivated area (obtained from the objectively measured fields during the September-October field data collection period). The second component production "model" uses last year's Meher (Main) season crop yield estimate obtained from objectively collected crop cuttings. The third component production "model" is the average "condition" factor, which adjusts the yield of this year's crop through previous years' yield data.

All specific condition factors (such as weather, pest damage, ... etc.) affecting the crop growth for the rest of the current season have been taken into account by the holders in these "condition" factors and represents the holder's own subjective assessment on the future production. Forecast estimates are published for most of the temporary crops for which objective field area measurements were conducted.

4.3 Factors that Influence the Expected Crop Production

For the holder, to intuitively formulate the future production of his/her crops in the field, there are numerous factors that he/she has to take into account and make assessment subjectively. Besides the meteorological factors, there are a number of other factors that influence production and yield of crops. The major external factors that have negative and positive influence on yield and production, are given below:

4.3.1 Factors that have Negative Influence

- Too much rainfall and lodging of the crop,
- Shortage of rainfall,
- Insect (locust), disease and other pest (birds) damage,
- Hail and frost damage,
- Wild and domestic animal damage,
- Shortage of seed,
- Depletion of the soil fertility, and
- Others.

4.3.2 Factors that have Positive Influence

- Favorable weather conditions,
- Improved seed and cultural practices,

- Application of fertilizers,
- Application of pesticides (absence of pests), and
- Other.

5 Data Processing

5.1 Data Editing, Coding and Verification

To facilitate the 2002/03 (1995 E.C.) Crop Production Forecast Survey data processing activities, editing and coding instruction manuals were prepared and printed prior to the training of the staff to be involved. Before the receipt of the filled-in questionnaires from the respective Branch statistical Offices, the CSA regular editor/coder staffs were given two full days of intensive training on proper questionnaire review techniques. Instructions and rules associated with correctly coding the questionnaire and correcting inconsistent records were thoroughly explained to the editors. In order to undertake this task at CSA headquarters a total of 117 editors/coders were involved.

During the editing and coding processes, two professional staff members from Natural Resources and Agricultural Statistics Department were assigned to guide and supervise the editors/coders in correction of the difficult problems in the filled-in questionnaires. These technical experts were also involved in answering questions, clearing doubts ... etc. so as to facilitate the editing and coding activities. Each editor/coder was assigned to work on a single EA at a time to assure that all questionnaires were accounted for and completed. Then, the edited and coded questionnaires

were checked by about 24 supervisors/verifiers. All the EAs have been made to pass through this final verification process.

5.2 Data Entry, Cleaning and Processing

The data entry processes deployed about 160 data encoders and 80 personal computers. The data was entered into the computers using IMPS (Integrated Microcomputer Processing System) software, which is a software package, developed by the United States Bureau of the Census. Following the data entry operations, the data was further reviewed for data inconsistencies, missing data, reasonableness of the responses, ... etc. by the regular professional staff from Natural Resources and Agricultural Statistics Department and on the other hand, computer operators skilled in data cleaning from Data Processing Department fully participated to make an appropriate data cleaning according to the output of the edit program. The final stage of the data processing was to summarize the cleaned data and produce statistical tables that present the results of the survey using the PC based IMPS software.

The summary tables required reformatting and merging with the report text file for publication purpose. One programmer was responsible for all of the data processing activity.

6 Basic Concepts and Definitions Used in the Process of Under Taking the Survey

The concepts and definitions used in the survey are described as follows:

Enumeration Area (EA): - Is the survey primary sampling unit classified as located in the rural area of the country which is less than or equal to a Peasant Association's area and usually consists of 150-200 households.

Households: - A household may be either;

- a) A one person household, that is a person who makes provision for his own food or other essentials for living without combining with any other person to form part of a multi-person household, or
- b) A multi-person household, that is, a group of two or more persons who live together and make common provision for food or other essentials for living. The persons in the group may pool their incomes and have a common budget more or less. They may be related or unrelated persons, or a combination of both.

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

Holder: A holder is a person who exercises management control over the operations of the agricultural holdings and makes the major decisions regarding the utilization of the available resources. He has technical and economic

responsibility for the holding. He may operate the holding directly as an owner or as a manager.

Using the terminology of a traditional agricultural holding the holder may be regarded as the person, who with or without help of others, operates land or raises livestock for his i.e. the person who decides on what, when, where and how to grow crops and/or raise livestock and has the right to determine the utilization of the products.

Holding: A holding is all the land and livestock kept which is used wholly or partially for agricultural production and is operated as one administratively manage unit by one person alone, or with others, without regard to title, legal form, size or location. A holding may consist of one or more parcels.

Parcel: A parcel is a portion of land belonging to the holding, which is any piece of land entirely, surrounded by land, water road, forest, etc. Which are not parts of the holding. It may consist one or more cadastral units, plots or field adjacent to each other.

Field: A field is defined as any plot of land within a parcel, which can be hole or part of a parcel under the same agricultural practice.

Forecast of Crop Production: It is an estimation of the future realization of final crop production growing under conditions, which introduce a random variable, which can cause an uncertainty as to what the final production at harvest will be.

CHAPTER III

SUMMARY OF THE RESULTS OF THE YEAR

2002/03 (1995 E.C.) CROP PRODUCTION

FORECAST SURVEY

1. Introduction

In Ethiopia food security is one of the most important objectives to be attained by the agriculture system. However, the existing backward and traditional farm tools and very limited use of modern farm inputs together with dominating rain fed agriculture (where the performance of the country's agriculture is highly dependant on the timely on set, duration, amount and distribution of rain fall) have contributed a lot for the existing subsistence /hand to mouth / farming system

A slight change in any one of the usual rainfall characteristics, adversely affect the domestic food supply of the country which again calls upon for the provision of timely, reliable crop production forecast data obtained from annual surveys so as to warn ahead of time the concerned government and non-government bodies to take the appropriate measures prior to the relevant year's harvest.

In this part of the report, therefore, an attempt is made to present crop area statistics and the volume of the expected production of Major crops at the country, regional, zonal and special wereda reporting levels. This exercise is made on the basis of the results obtained from the 2002/2003 (1995 E.C) Crop

Production Forecast Sample Survey carried-out during September 2002 at country level. Following are given the discussions on the major findings of the survey results.

2. The Status of Total Area and Expected Production of Grain Crops (Cereal, Pulses and Oilseeds) of the Coming 2002/03 Meher Season Harvest

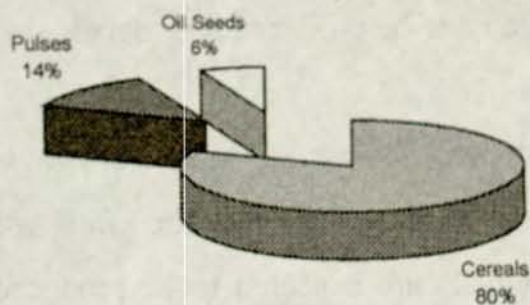
The results of the year 2002/03 (1995 E.C.) Crop Production Forecast Survey indicate that a total area of about 7,859.50 thousand hectares are covered by grains constituting cereals, pulses and oilseeds from which a total volume of about 73,694.45 thousand quintals of grains are expected to be produced in the 2002/2003 harvest year (See Summary Table III.1).

Table III.1 Area and Expected Production of Grains (Cereals, Pulses and Oilseeds) for Private Holdings, 2002/03(1995 E.C.), Meher Season

Crop Type	Area		Production	
	In 000 Has.	%	In 000 Qts.	%
Cereals	6,323.82	80.46	63,497.25	86.16
Pulses	1,061.42	13.51	8,231.73	11.17
Oilseeds	474.26	6.03	1,965.47	2.67
Total Grains	7,859.50	100.00	73,694.45	100.00

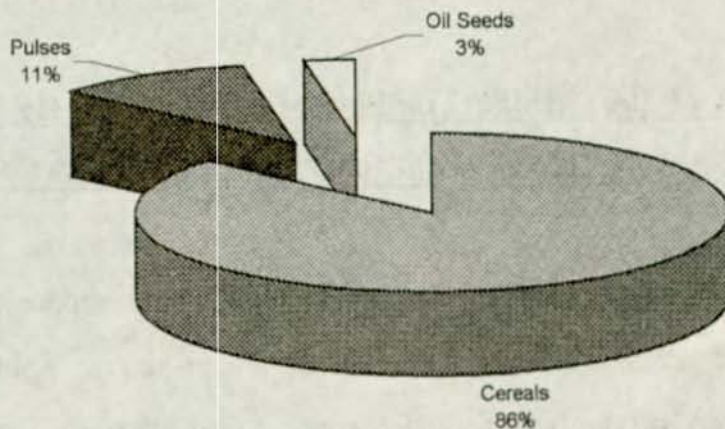
Out of these totals cultivated crop area and expected volume of grain production, 6,323.82 thousand hectares are accounted for cereals (80.46 % of the total area under grain) from which about 63,497.25 thousand quintals (86.16 % of the total grain production) are expected to be produced in the coming harvest(See Fig. 1 and Fig.2).

FIG 1. Estimates of Area Under Major Crops for Private Holding For the Current Meher Season Harvest, 2002/03(1995 E.C.)



Crops such as Teff, maize, sorghum, wheat and barley within the category of cereals have covered an estimated total area of about 1,931.09; 1,191.43; 1,071.96; 997.72 and 788.69 thousand hectares of cultivated land, from which a total volume of about 14,196.10; 17,880.31; 10,397.99; 10,721.45 and 6,899.68 thousand quintals are expected to be produced in the year 2002/03 (1995 E.C.) Meher season harvest, in that order.

Fig 2. Forecast of Expected Production of Major Crops for Private Holdings for the Current Meher Season harvest 2002/03(1995 E.C.)



The remaining cereal crops i.e. finger millet, oats/Aja and rice altogether covered a total of 342.94 thousand hectares of land, from which about 3,401.72 thousand quintals are expected to be produced (For details see Table 1).

Pulses and oilseeds contributed about 10,614.17 and 474.26 thousand hectares (13.51 % and 6.03 % of the total area under grains) from which about 8,231.73 and 1,965.47 thousand quintals are expected to be produced in the 2002/2003 harvest year, respectively. Pulses such as horse beans, field peas, haricot beans and chick peas are planted in about 390.00; 207.05; 181.58 and 140.24 thousand hectares of land from which about 3,616.75; 1,393.84; 1,117.50 and 1,141.28 thousand quintals are expected to be produced in the coming harvest, with average expected yields that ranges from 6.15 qts/ha for haricot beans to 9.27 qts/ha for horse beans, in that order. However, the contribution of the remaining pulses are found to be insignificant. Moreover, oilseeds such as groundnut, neug, sesame and sunflower have covered 249.68; 131.88; 57.72 and 17.26 thousand hectares of land, from which about 853.40; 427.85; 362.72 and 198.50 thousand quintals with average expected yields ranging from 3.42 qt/ha for Neug to 11.50 qt/ha for, sunflower , respectively (See Table 1).

3. Comparison of the Major Findings of the 2002/03 (1995 E.C.) Crop production Forecast Survey with 2001/2002 Post Harvest Census Results.

In this section of the report an attempt is made to compare the current year estimated crop area and expected volume of production obtained from the 2002/2003 crop production forecast survey with that of last year's Meher season post harvest crop estimates obtained from the Agricultural Sample Census. Such comparisons are believed to give a bird's eye view on the

prospect of the coming harvest in terms of total crop area coverage and volume of expected production so as to evaluate the performance of the 2002/03 (1995 E.C.) Meher season harvest. Consequently, the results of such comparison will pave the way for concerned stakeholders to easily identify surplus and/or deficit producing regions and zones in order to take appropriate measures in advance. However, brief discussions on the comparisons made at country and regional levels are presented as follows:

3.1 Country Level Comparison

A country like Ethiopia with dominating agrarian economy should give due attention to the performance of its agriculture, in terms of total volume of production in order to secure domestic food availability for its population. Annual total food supply assessment to provide timely early warnings is of paramount importance, particularly for drought prone countries like Ethiopia. It is due to this fact that the country is performing such assessment on annual basis. In order to meet this desired goal, an attempt has been made to compare the results of the 2002/03 (1995 E.C.) crop production forecast survey with that of the 2001/02 sample census estimates (For details see Table 1).

At country level, the estimated total area under major temporary crops and volume of expected production of the 2002/03 (1995 E.C.) Meher season has shown an increase of 0.59 % (46.47 thousands of hectares) and a decrease of 25.83 % (25,667.33 thousands of quintals) in volume of grain production as compared to last year's estimates, respectively (See Summary Table III.2 and Fig 3).

**Summary Table III.2 Comparison of Estimates of 2001/02(1994 E.C) and Forecast of 2002/03(1995 E.C)
Area and Production of Grains for Private Holdings,
by Region, Meher Season**

Region/ Killil	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Tigray	535874.29	566863.89	5.78	6378199.77	4933481.57	-22.65
Afar	8536.05	7466.12	-12.53	76279.25	40532.54	-46.86
Amhara	2880425.12	2894219.15	0.48	32913797.46	23131679.96	-29.72
Ormia	3463968.53	3508690.94	1.29	48949524.89	37000783.61	-24.41
Somali	58880.84	64367.18	9.32	723018.07	512096.48	-29.17
S.N.N.P	135869.31	149249.00	9.85	1571113.90	1464793.78	-6.77
Benshangul-Gumuz	687585.38	623471.80	-9.32	8249115.32	6185968.21	-25.01
Gambella	8337.75	7472.82	-10.37	145743.43	100314.17	-31.17
Harari	5899.62	6990.53	18.49	56063.34	52344.86	-6.63
Addis Ababa	20980.58	23899.05	13.91	207441.87	231432.52	11.56
Dire Dawa	6663.89	6803.79	2.10	91460.05	41024.22	-55.15
Total	7813021.36	7859494.27	0.59	99361757.35	73694451.92	-25.83

As indicated in Summary Table III.2, among the regions the highest increase in area under grains is reported for Harari 18.49 %, Addis Ababa 13.91 % and S.N.N.P. 9.85 % as compared to last year's estimates, while 11.56 % increase in volume of expected production of grains is reported only for Addis Ababa Administration.

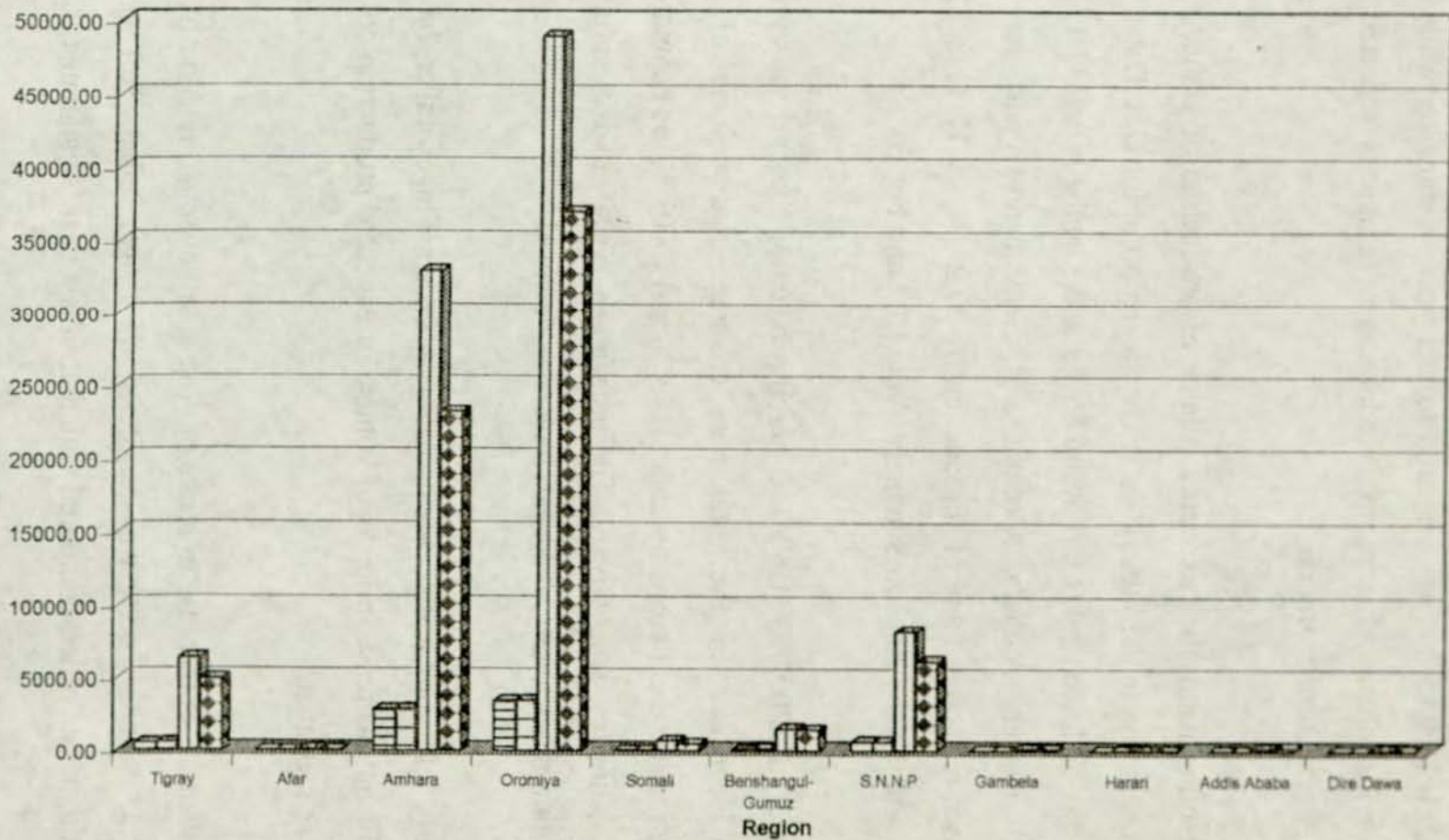
On the other hand, the expected volume of production of grains has shown a decrease, where the highest decrease was reported for Dire Dawa by about 55.15 % followed by Afar by 46.86 % and Gambella by 31.17 %. In a similar manner, Amhara, Oromia and Benshangul-Gumuz have shown decreases in total volume of production by 29.27 %, 29.17 % and 25.01 %, in that order (See details in Summary Table III.2 and Fig. 3).

Moreover, the 2002/03 (1995 E.C.) crop production forecast survey result has shown decreases in the total area coverage and volume of expected production of cereal crops by about 0.73 % and 27.07 % as compared to last year's estimates, respectively. The area under wheat, maize, sorghum and rice within the category of cereals have also declined.

Similarly, all crops in the cereals category except Finger millet, have shown a significant decrease in terms of volume of expected production compared to last year's estimates.

Nevertheless, an increase in terms of crop area coverage by about 9.46 % ; 6.20 % ; 2.33 % and 0.85% was registered for Finger millet, Teff, barley and oats/Aja, in that order, compared with that of last year 's estimates.

Fig 3. Estimates 2001/02(1994 E.C.) and Forecast of 2002/03(1995 E.C.) Area and Production of Grains for Private Holdings, by Region, Meher Season



2001/02 Estimates Of area in '000 Ha
 2002/03 Estimates Of area in '000 Ha
 2002/03 Estimates Of prod. in '000 Qts
 2001/02 Forecast Of Prod. in '000 Qts

Moreover, in the current year crop production forecast survey, the total estimated area under pulses has increased by about 4.39 % (44,631.00 hectares) while a decrease of 19.39 % (1,980,418 quintals) of volume of production was registered compared to last year's estimates.

In general terms the Yield estimates for all cereal crops of the year 2002/03(1995 E.C) have shown significant decrease when compared with last year's estimate (for details see Fig. 4).

In the category of pulses; chick-peas, vetch, lentils and soyabeans have shown relatively higher decrease both in terms of area and volume of expected production as compared to last year's estimates. As can be observed in Table 1, the decrease in crop area coverage ranges from 47.12 % for soyabeans to 14.48 % for lentils , while the decrease in the volume of production ranges from 36.53 % for chick-peas to 57.11 % for soyabeans.

Unlike that of pulses, the current year estimated area under oilseeds has also increased by about 11.29% compared to that of last year's estimates. However, a decrease in volume of production by 5.57 % is registered in the current year's forecast estimates.

3.2 Regional Level Comparison

For similar reasons mentioned for the country level comparisons, an attempt is also made to compare regional estimates both in terms of total estimated area coverage and volume of production of the coming 2002/03 (1995 E.C.) Meher season with that of 2001/02 (1994 E.C.) post-harvest estimates by crop type.

The comparisons that are presented in the relevant summary tables are briefly discussed below.

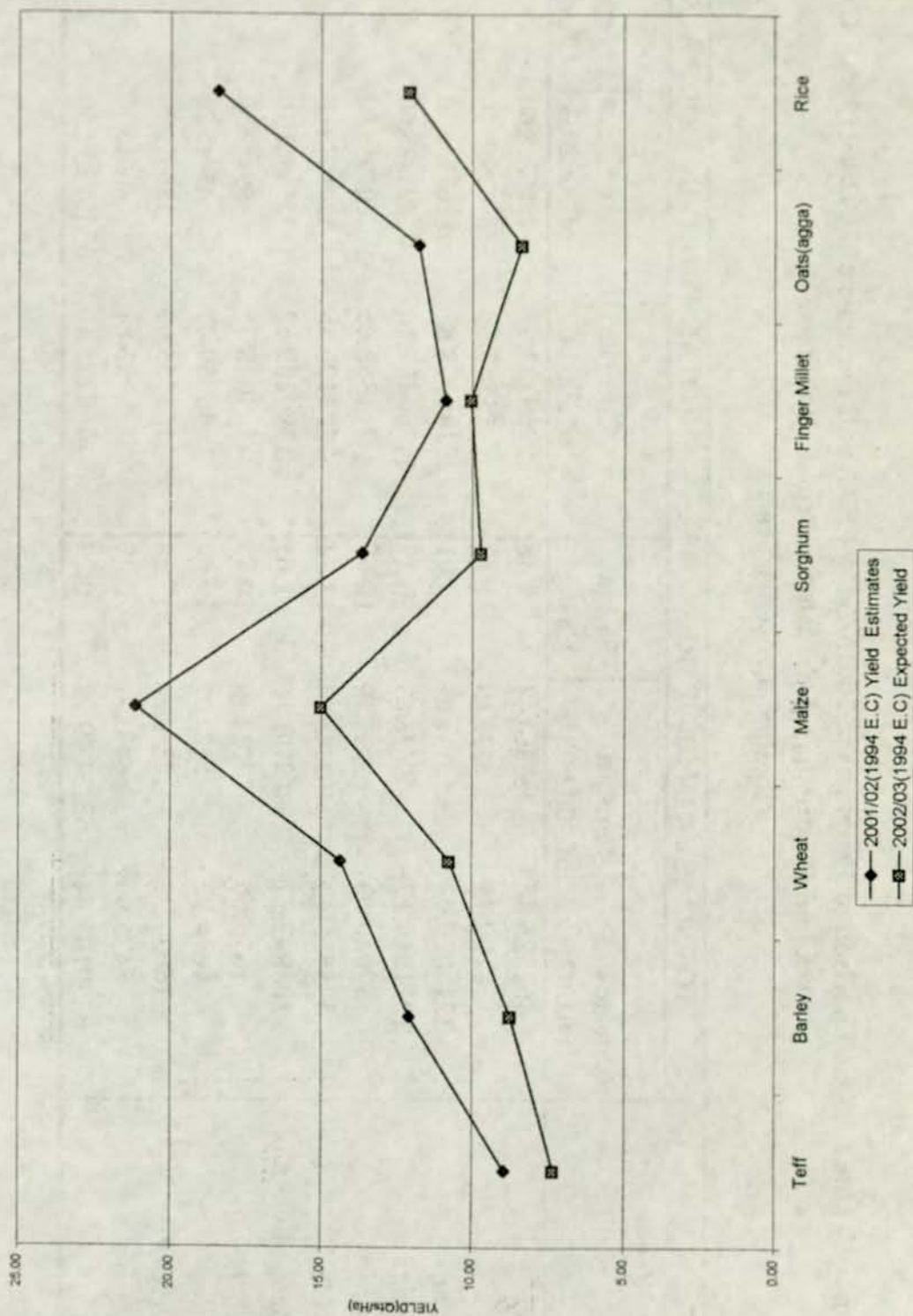
3.2.1 Cereals

Cereals are the major food crops that serve as a staple food for the majority of Ethiopians. As a matter of this fact cereals are the most extensively grown crops in terms of both crop area coverage and volume of production obtained. Therefore, comparisons of the regional forecast of the current year Meher season harvest with that of last year's estimates is of paramount importance to deal with all problems concerning the availability of grains in advance.

As indicated in Summary Table III.3, the coming 2002/03 (1995 E.C.) Meher season harvest estimates of cereals for Dire Dawa and Afar in terms of volume of expected production have shown a decrease of about 55.01 % and 49.56 % followed by Gambella, Amhara and Somali with about 31.14 %, 30.51 % and 29.03 %, in that order.

In similar manner, both in Oromia and S.N.N.P Regions, decrease of cereals both in terms of area coverage and volume of production are shown in which the decrease in area coverage ranges from 0.37 % for Oromia Region to 12.74 % for S.N.N.P Region and the decrease in volume of production ranges from 25.84 % for Oromia Region to 27.66 % for S.N.N.P Region. The exceptional increase in the current Meher season harvest in terms of area coverage is reported for Harari, Addis Ababa, Tigray and Benishangul-Gumuz Regions as compared to the last year's estimates. However, except Addis Ababa, no region has registered an increase in the volume of

Fig. 4 Yield Estimates of 2001/02(1994 E.C.) and Expected Yield of 2002/03(1995 E.C.) of Major Cereals Crops for Private Holdings, Meher Season.



**Summary Table III.3 Comparison of Estimates of 2001/02(1994 E.C) and Forecast of 2002/03(1995 E.C)
Area and Production of Cereals for Private Holdings,
by Region, Meher Season**

Region/ Killil	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Tigray	462525.86	487880.47	5.48	5769783.57	4380208.60	-24.08
Afar	8290.75	6539.50	-21.12	75243.50	37950.50	-49.56
Amhara	2216029.07	2216144.07	0.01	27144178.82	18863755.30	-30.51
Ormia	2911616.17	2900878.02	-0.37	44260457.14	32823235.60	-25.84
Somali	57040.60	63022.19	10.49	714362.05	506955.00	-29.03
S.N.N.P	575655.43	502343.22	-12.74	7273190.58	5261676.60	-27.66
Benshangul-Gumuz	103942.27	109191.16	5.05	1390289.62	1254861.10	-9.74
Gambella	7876.60	7022.19	-10.85	144048.75	99189.50	-31.14
Harari	4624.92	5522.07	19.40	43859.47	42415.20	-3.29
Addis Ababa	16077.97	18849.69	17.24	163765.09	186919.20	14.14
Dire Dawa	6425.90	6457.21	0.49	89096.81	40085.70	-55.01
Total	6370105.54	6323849.79	-0.73	87068275.40	63497252.30	-27.07

production when compared to the last year's estimates (See Summary Table III.3).

3.2.2 Pulses

Pulses are also among the major food crops, having considerable area coverage and in volume of production on the country's total food crops production. Comparison of the current year regional forecast estimates of pulses with that of last year's post harvest estimates is presented in Summary Table III.4. As indicated in the table, in Gambella and Somali Regions the highest decreases are registered in terms of area coverage, on the other hand, Dire Dawa, Harari, Gambella, Somali and Amhara Regions the highest decrease have registered in volume of production when compared to that of last year estimates where the decrease ranges from 28.24 % for Dire Dawa to 63.56 % for Amhara Regions.

3.2.2 Oilseeds

Oilseeds are also important food crop in Ethiopia that are grown in almost all regions of the country. As indicated in Summary Table III.5, in the 2002/03 (1995 E.C.) the estimated area coverage and expected volume of production of oilseeds for S.N.N.P Region have shown the highest decrease by about 38.24 % and 44.11 %, respectively as compared to last year's regional estimates.

However, in terms of area under oil seeds in , almost all regions except Tigray and S.N.N.P Regions have shown increases. On the other hand, the

**Summary Table III.4 Comparison of Estimates of 2001/02(1994 E.C) and Forecast of 2002/03(1995 E.C)
Area and Production of Pulses for Private Holdings,
by Region, Meher Season**

Region/ Killil	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Tigray	42714.51	48673.84	13.95	432963.34	357390.00	-17.45
Afar	103.20	712.44	590.35	288.14	1784.00	519.14
Amhara	488183.62	496478.59	1.70	4920234.01	3304071.30	-32.85
Ormia	363960.71	381007.46	4.68	3780677.15	3304071.30	-12.61
Somali	1346.86	809.84	-39.87	6283.60	3748.30	-40.35
S.N.N.P	108599.86	119047.17	9.62	964611.17	917968.10	-4.84
Benshangul-Gumuz	6682.94	9289.10	39.00	60436.73	70084.50	15.96
Gambella	116.47	63.90	-45.14	706.26	399.60	-43.42
Harari	25.69	20.14	-21.60	130.21	67.60	-48.08
Addis Ababa	4888.55	5017.48	2.64	43676.78	44462.70	1.80
Dire Dawa	203.63	297.03	45.87	2139.11	779.50	-63.56
Total	1016826.04	1061416.99	4.39	10212146.50	8004826.90	-21.61

**Summary Table III.5 Comparison of Estimates of 2001/02(1994 E.C) and Forecast of 2002/03(1995 E.C)
Area and Production of Oilseeds for Private Holdings,
by Region, Meher Season**

Region/ Killil	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Tigray	30633.92	30309.57	-1.06	175452.86	195883.10	11.64
Afar	142.10	214.18	50.72	747.61	797.80	6.71
Amhara	176212.43	181626.50	3.07	849384.63	736951.12	-13.24
Ormia	188391.65	226805.47	20.39	908390.50	873476.50	-3.84
Somali	493.38	535.15	8.47	2372.42	1393.30	-41.27
S.N.N.P	3370.09	2081.39	-38.24	11313.57	6323.60	-44.11
Benshangul-Gumuz	25244.10	30768.33	21.88	120387.55	139848.30	16.17
Gambella	344.68	386.73	12.20	988.42	725.00	-26.65
Harari	1249.01	1448.33	15.96	12073.66	9862.00	-18.32
Addis Ababa	14.06	31.91	126.96	*	50.60	
Dire Dawa	34.36	49.55	44.21	224.13	158.80	-29.15
Total	426129.78	474257.11	11.29	2081335.35	1965470.12	-5.57

volume of production, except in Bensshangul-Gumuz, Tigray and Afar, all regions have shown significant decrease where the decrease ranges from 3.84 % for Oromia Region to 44.11 % for S.N.N.P. Region when compared to that of last year's regional estimates of these crops.

Observing at the data in the summary tables presented so far, one can easily conclude that the recurrent drought is spreading all over the country increasing both in terms of area coverage and size of affected population. In order to asses this challenge, an attempt has been made to investigate the possible reasons for the occurrence of the recurrent drought using the following methods.

These are : -

- Reviewed the filled-in questionnaires in the survey, for reasons reported for lower productivity and crop damage of the coming harvest as compared to last year,
- Reviewed the field supervision reports prepared by senior staff from the CSA head quarter as well as the heads of the branch statistical offices, on the farmers expectations on the prospect of the coming harvest, and
- Reviewed the DPPC and USAID, early warning and food security reports, on the prospect of food availability in the current 2002/03 (1995 E.C.) crop production year respectively.

4. Evaluation of the Results of the year 2002/2003 Crop Production Forecast Survey

The results of the investigation that involved the above-mentioned methods, reveals that the crop production performance of the year 2002/03 (1995 E.C.) Meher Season harvest is poor when compared with that of last year. According to the results of the investigation, the following three conditions were considered as the major causes for the failure of the coming harvest and these are:-

- a. The late on-set (4-6 Weeks) of the year 2002/03 (1995 E.C.) Meher season rainfall from the usual time hampered farmers from timely land preparation and delayed the sowing time of the long cycle crops, favoring the sowing of early maturing crops in most parts of the country.
- b. Over and above the late on-set of rainfall, the year 2002/03 (1995 E.C.) Meher Season rainfall was erratic and below average in its amount and distribution to the extent that short cycle crops were failed to complete their life cycle, in most parts of the country indicating the poor performance of the coming harvest.

Finally, users of this report should be aware that the information on what is called condition factors were collected in the month's of September 2002 (Meskerem 1995 E.C.). Therefore, the results should be used with great caution in light of the favorable or adverse conditions of weather and other factors, which may affect the crop after the crop production forecast survey data was collected. The effects of these subsequent changes in crop conditions are not reflected in this report.

Note: -

1. If in some tables figures do not add up to total it is due to rounding.
2. Those forecasts designated by “**” in all tables could not be reported because of high coefficient of variation (i.e. they are less reliable). However, they are consolidated in the total estimates.
3. In all tables “-” indicates not reported and “0.00” indicates the value is insignificant.

Table 1. Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

National									
Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	7813021.38	7859494.27	0.59	99361778.99	73694451.92	-25.83			
Cereals	6370105.57	6323819.80	-0.73	87068275.50	63497252.90	-27.07			
Teff	1818374.64	1931088.05	6.20	16273155.32	14196101.29	-12.76	8.95	7.35	-17.88
Barley	771514.77	788692.38	2.23	9319063.02	6899680.37	-25.96	12.08	8.75	-27.57
Wheat	1004999.97	997717.64	-0.72	14444338.16	10721446.41	-25.77	14.37	10.75	-25.19
Maize	1323037.53	1191428.38	-9.95	28002088.27	17880314.03	-36.15	21.16	15.01	-29.06
Sorghum	1132495.63	1071957.28	-5.35	15462080.40	10397992.75	-32.75	13.65	9.70	-28.94
Finger Millet	281455.23	308089.42	9.46	3061837.86	3092378.58	1.00	10.88	10.04	-7.72
Oats/'Aja'	29862.96	30117.21	0.85	351592.09	252321.77	-28.23	11.77	8.38	-28.80
Rice	8364.84	4729.43	-43.46	154120.38	0.00	-100.00	18.42	0.00	-100.00
Pulses	1016786.04	1061416.97	4.39	10212146.50	8231728.49	-19.39			
Horse Beans	369150.83	389994.78	5.65	4470626.4	3616754.87	-19.10	12.11	9.27	-23.45
Field Pease	175221.8	207048.27	18.16	1472697.3	1393843.30	-5.35	8.4	6.73	-19.88
Haricot beans	119879.32	181583.04	51.47	986737.74	1117499.61	13.25	8.23	6.15	-25.27
Chick-Peas	184800.88	140244.53	-24.11	1798213.35	1141278.33	-36.53	9.73	8.14	-16.34
Lentils	60138.28	51433.05	-14.48	384296.02	225869.09	-41.23	6.39	4.39	-31.30
Vetch	83522.59	53977.59	-35.37	923390.71	531194.57	-42.47	11.06	9.84	-11.03
Soya Beans	1769.47	935.70	-47.12	16205.35	6951.14	-57.11	9.16	7.43	-18.89
Fenugreek	15050.5	25543.15	69.72	100265.85	116636.16	16.33	6.66	4.57	-31.38
Gibto	7252.36	10656.86	46.94	59713.78	81701.41	36.82	8.23	7.67	-6.80
Oilseeds	426129.77	474257.50	11.29	2081356.99	1965470.52	-5.57			
Neug	232201.06	249683.84	7.53	841895.92	853397.65	1.37	3.63	3.42	-5.79
Linseed	98595.71	131877.55	33.76	510517.51	427850.51	-16.19	5.18	3.24	-37.45
Groundnut	16034.73	14088.31	-12.14	132851.20	107189.33	-19.32	8.29	7.61	-8.20
Sufflower	5474.33	3634.54	-33.61	37662.27	15815.40	-58.01	6.88	4.35	-36.77
Sesame	58780.38	57716.66	-1.81	388995.38	362720.33	-6.75	6.62	6.28	-5.14
Rapeseed	15043.55	17256.60	14.71	169434.71	198497.30	17.15	11.26	11.50	2.13

Table 2. Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
	Total Grains	535874.29	566863.89	5.78	6378199.77	4933481.57	-22.65		
Cereals	462525.86	487880.47	5.48	5769783.57	4380208.57	-24.08			
Teff	124698.64	129172.52	3.59	1028500.35	772651.28	-24.88	8.25	5.98	-27.52
Barley	53237.55	65185.55	22.44	589088.78	438542.09	-25.56	11.07	6.73	-39.21
Wheat	63215.93	70824.35	12.04	744801.82	464814.09	-37.59	11.78	6.56	-44.31
Maize	52217.67	43604.07	-16.50	894972.01	544257.36	-39.19	17.14	12.48	-27.19
Sorghum	114058.73	121569.72	6.59	1923492.34	1636901.94	-14.90	16.86	13.46	-20.17
Finger Millet	54693.25	56989.82	4.20	585774.50	519270.11	-11.35	10.71	9.11	-14.94
Oats/'Aja'	404.09	*		3153.76	*		7.80	*	
Rice	-	-		-	-		-	-	
Pulses	42714.51	48673.84	13.95	432963.34	357389.93	-17.45			
Horse Beans	14988.12	17496.07	16.73	199150.69	162326.37	-18.49	13.29	9.28	-30.17
Field Pease	3397.93	4697.93	38.26	37094.03	32771.20	-11.65	10.92	6.98	-36.08
Haricot beans	2292.95	1313.88	-42.70	9987.43	2992.21	-70.04	4.36	2.28	-47.71
Chick-Peas	11158.64	12857.54	15.22	103037.73	99518.87	-3.42	9.23	7.74	-16.14
Lentils	4587.49	5673.82	23.68	29952.22	24543.65	-18.06	6.53	4.33	-33.69
Vetch	5794.56	5599.07	-3.37	51752.58	32395.87	-37.40	8.93	5.79	-35.16
Soya Beans	50.60	-		130.67	-		2.58	-	
Fenugreek	444.22	1035.53	133.11	1857.99	2841.75	52.95	4.18	2.74	-34.45
Gibto	-	-		-	-		-	-	
Oilseeds	30633.92	30309.57	-1.06	175452.86	195883.07	11.64			
Neug	5134.73	6504.34	26.67	27141.60	37410.97	37.84	5.29	5.75	8.70
Linseed	4318.09	5745.98	33.07	16907.29	20311.22	20.13	3.92	3.53	-9.95
Groundnut	*	*		*	*		*	*	
Sufflower	45.13	84.33	86.86	114.19	0.00	-100.00	2.53	0.00	-100.00
Sesame	21093.57	17882.95	-15.22	131119.66	137700.51	5.02	6.22	7.70	23.79
Rapeseed	30.87	*		97.46	*		3.16	*	

Table 2.1 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
	North-Western Tigray Zone								
Total Grains		142293.43			1610266.42				
Cereals		125872.67			1495898.22				
Teff		27070.67			196111.54			7.24	
Barley		381.68			2421.65			6.34	
Wheat		*			*			0.00	
Maize		18355.04			288010.14			15.69	
Sorghum		44481.85			638052.60			14.34	
Finger Millet		35416.94			370582.07			10.46	
Oats/'Aja'		-			-			0.00	
Rice		-			-			0.00	
Pulses		7062.92			54831.70				
Horse Beans		1582.61			8533.99			5.39	
Field Pease		*			*			0.00	
Haricot beans		*			*			0.00	
Chick-Peas		4156.96			42734.09			10.28	
Lentils		-			-			0.00	
Vetch		*			*			0.00	
Soya Beans		-			-			0.00	
Fenugreek		*			*			0.00	
Gibto		-			-			0.00	
Oilseeds		9357.85			59536.50				
Neug		3902.88			19417.27			4.98	
Linseed		663.35			2778.11			4.19	
Groundnut		*			*			0.00	
Sufflower		-			-			0.00	
Sesame		4789.36			37334.02			7.80	
Rapeseed		-			-			0.00	

Note:- Since North-Western Tigray zone is a newly constituted zone of the Region, comparisons of estimates with that of last year's could not be made

Table 2.2 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Central Tigray Zone		TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
Major Crops	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	
Total Grains	161059.65	167783.18	4.17	1539692.26	1250672.76	-18.77				
Cereals	142910.31	150364.95	5.22	1395631.98	1127448.88	-19.22				
Teff	52065.86	53994.58	3.70	365174.28	298620.73	-18.23	7.01	5.53	-21.11	
Barley	12742.64	14520.23	13.95	112013.14	117505.81	4.90	8.79	8.09	-7.96	
Wheat	14538.65	13677.93	-5.92	143253.09	109258.37	-23.73	9.85	7.99	-18.88	
Maize	18794.66	14480.96	-22.95	276201.30	151449.33	-45.17	14.70	10.46	-28.84	
Sorghum	30787.64	40846.49	32.67	381026.43	400525.30	5.12	12.38	9.81	-20.76	
Finger Millet	13966.08	12844.76	-8.03	117801.09	50089.35	-57.48	8.43	3.90	-53.74	
Oats/'Aja'	*	-		*	-		*	-		
Rice	-	-		-	-		-	-		
Pulses	15426.13	14490.29	-6.07	134043.03	111793.76	-16.60				
Horse Beans	6987.94	8457.99	21.04	78511.91	82661.67	5.29	11.24	9.77	-13.08	
Field Peas	612.03	724.48	18.37	4485.54	4130.87	-7.91	7.33	5.70	-22.24	
Haricot beans	1139.71	477.91	-58.07	6410.49	1908.03	-70.24	5.62	3.99	-29.00	
Chick-Peas	3292.02	1367.00	-58.48	23170.00	8247.51	-64.40	7.04	6.03	-14.35	
Lentils	1164.73	1968.40	69.00	6416.43	8636.62	34.60	5.51	4.39	-20.33	
Vetch	1871.62	*		13573.01	*		7.25	*		
Soya Beans	31.34	-		86.01	-		2.74	-		
Fenugreek	326.74	436.06	33.46	1389.64	1503.04	8.16	4.25	3.45	-18.82	
Gibto	-	-		-	-		-	-		
Oilseeds	2723.21	2927.94	7.52	10017.25	11430.12	14.10				
Neug	857.61	507.36	-40.84	2928.48	2040.14	-30.33	3.41	4.02	17.89	
Linseed	1602.59	1636.17	2.10	5797.80	6767.59	16.73	3.62	4.14	14.36	
Groundnut	-	-		-	-		-	-		
Sufflower	6.55	*		18.17	*		2.77	*		
Sesame	252.33	*		1259.98	*		4.99	*		
Rapeseed	*	*		*	*		*	*		

Table 2.3 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
	Eastern Tigray Zone								
Total Grains	51479.00	61334.22	19.14	616327.33	324265.14	-47.39			
Cereals	44136.20	51699.88	17.14	535116.52	276189.30	-48.39			
Teff	5730.06	8700.52	51.84	54973.79	34399.90	-37.42	9.59	3.95	-58.81
Barley	16288.11	19094.90	17.23	202115.22	117846.54	-41.69	12.41	6.17	-50.28
Wheat	14459.08	17566.75	21.49	174703.14	82617.95	-52.71	12.08	4.70	-61.09
Maize	3094.47	2215.01	-28.42	48116.14	14885.01	-69.06	15.55	6.72	-56.78
Sorghum	1965.99	*		29963.79	*		15.24	*	
Finger Millet	2521.88	2374.89	-5.83	24559.11	9646.74	-60.72	9.74	4.06	-58.32
Oats/'Aja'	76.61	*		685.35	*		8.95	*	
Rice	-	-		-	-		-	-	
Pulses	6636.71	8662.98	30.53	78475.73	46558.38	-40.67			
Horse Beans	1691.36	1759.09	4.00	26897.43	10568.09	-60.71	15.90	6.01	-62.20
Field Peas	1047.34	1611.24	53.84	13136.48	10436.44	-20.55	12.54	6.48	-48.33
Haricot beans	15.42	*		69.18	*		4.49	*	
Chick-Peas	1512.34	1975.34	30.61	15050.15	9924.22	-34.06	9.95	5.02	-49.55
Lentils	543.90	1082.37	99.00	4426.44	3257.15	-26.42	8.14	3.01	-63.02
Vetch	1799.14	2137.09	18.78	18789.81	12268.39	-34.71	10.44	5.74	-45.02
Soya Beans	*	-		*	-		*	-	
Fenugreek	23.91	*		106.24	97.66	-8.08	4.44	*	
Gibto	-	-		-	-		-	-	
Oilseeds	706.09	971.36	37.57	2735.08	1517.47	-44.52			
Neug	12.62	*		42.60	*		3.38	*	
Linseed	679.24	966.64	42.31	2687.65	1512.33	-43.73	3.96	1.56	-60.61
Groundnut	0.00	-		0.00	-		0.00	-	
Sufflower	*	-		*	-		*	-	
Sesame	0.00	-		0.00	-		0.00	-	
Rapeseed	12.10	*		4.84	*		0.40	*	

Table 2.4 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
	Southern Tigray Zone								
Grains Total	145694.93	146993.68	0.89	1967364.57	1089618.24	-44.62			
Cereals	129069.17	127748.54	-1.02	1797743.74	957153.61	-46.76			
Teff	37621.61	35724.36	-5.04	371614.73	203096.79	-45.35	9.88	5.69	-42.41
Barley	22887.09	29421.79	28.55	257844.26	174847.18	-32.19	11.27	5.94	-47.29
Wheat	33701.79	39052.41	15.88	419461.41	267334.82	-36.27	12.45	6.85	-44.98
Maize	6818.05	5616.92	-17.62	105626.43	37314.22	-64.67	15.49	6.64	-57.13
Sorghum	27079.24	17177.46	-36.57	634522.20	270441.41	-57.38	23.43	15.74	-32.82
Finger Millet	661.60	377.30	-42.97	6368.94	2861.46	-55.07	9.63	7.58	-21.29
Oats/'Aja'	299.79	*		2305.78	*		7.69	*	
Rice	-	-		-	-		-	-	
Pulses	14854.26	16830.91	13.31	162543.03	124266.73	-23.55			
Horse Beans	4622.20	4910.14	6.23	74350.41	48686.97	-34.52	16.09	9.92	-38.35
Field Peas	1384.10	1632.05	17.91	16030.71	15727.63	-1.89	11.58	9.64	-16.75
Haricot beans	1036.98	*		2531.57	*		2.44	*	
Chick-Peas	2937.44	4634.86	57.79	32228.68	31756.52	-1.47	10.97	6.85	-37.56
Lentils	2874.76	2623.05	-8.76	19083.51	12649.89	-33.71	6.64	4.82	-27.41
Vetch	1942.85	1985.87	2.21	18099.58	13810.59	-23.70	9.32	6.95	-25.43
Soya Beans	*	-		*	-		*	-	
Fenugreek	39.97	404.10	911.01	173.91	884.16	408.40	4.35	2.19	-49.66
Gibto	0.00	-		0.00	-		0.00	-	
Oilseeds	1771.50	2414.22	36.28	7077.80	8197.90	15.83			
Neug	22.09	*		57.38	*		2.60	*	
Linseed	1496.16	2199.38	47.00	6158.95	7641.53	24.07	4.12	3.47	-15.78
Groundnut	-	-		-	-		-	-	
Sufflower	36.05	82.81	129.71	96.02	0.00	-100.00	2.66	0.00	-100.00
Sesame	217.19	*		765.46	*		3.52	*	
Rapeseed	-	-		-	-		-	-	

Table 2.5 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
	Western Tigray Zone								
Total Grains	177640.70	48459.37	-72.72	2254815.61	658659.02	-70.79			
Cereals	146410.17	32194.43	-78.01	2041291.33	523518.57	-74.35	8.08	10.98	35.89
Teff	29281.11	3682.40	-87.42	236737.55	40422.32	-82.93	12.97	*	
Barley	1319.70	*		17116.17	*		14.30	*	
Wheat	516.42	*		7384.18	*		19.78	17.91	-9.45
Maize	23510.50	2936.15	-87.51	465028.15	52598.66	-88.69	16.19	17.95	10.87
Sorghum	54225.86	17472.26	-67.78	877979.92	313603.45	-64.28	11.64	14.41	23.80
Finger Millet	37543.68	5975.92	-84.08	437045.37	86090.49	-80.30	0.00	-	
Oats/'Aja'	12.91	-		0.00	-		-	-	
Rice	-	-		-	-		-	-	
Pulses	5797.41	1626.74	-71.94	57901.55	19939.35	-65.56			
Horse Beans	1686.62	786.23	-53.38	19390.94	11875.64	-38.76	11.50	15.10	31.30
Field Pease	354.46	*		3441.31	*		9.71	*	
Haricot beans	100.84	*		976.19	*		9.68	*	
Chick-Peas	3416.85	723.38	-78.83	32588.90	6856.54	-78.96	9.54	9.48	-0.63
Lentils	*	-		*	-		*	-	
Vetch	180.94	-		1290.18	-		7.13	-	
Soya Beans	0.00	-		0.00	-		0.00	-	
Fenugreek	53.60	-		188.20	-		3.51	-	
Gibto	-	-		-	-		-	-	
Oilseeds	25433.12	14638.20	-42.44	155622.73	115201.09	-25.97			
Neug	4242.42	2037.51	-51.97	24113.14	15841.26	-34.30	5.68	7.77	36.80
Linseed	540.09	280.43	-48.08	2262.90	1611.65	-28.78	4.19	5.75	37.23
Groundnut	*	-		*	-		*	-	
Sufflower	*	-		*	-		*	-	
Sesame	20624.05	12320.26	-40.26	129094.22	97748.18	-24.28	6.26	7.93	26.68
Rapeseed	14.64	-		79.81	-		5.45	-	

Table 3. Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Afar Region

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
total Grains	8536.05	7466.12	-12.53	76279.25	40532.54	-46.86			
Cereals	8290.75	6539.51	-21.12	75243.50	37950.82	-49.56			
Teff	694.64	2502.82	260.30	3433.15	8784.35	155.87	4.94	3.51	-28.95
Barley	21.41	33.11	54.65	159.83	0.00	-100.00	7.47	0.00	-100.00
Wheat	50.16	*		194.31	*		3.87	*	
Maize	6100.41	2156.87	-64.64	60515.64	19503.69	-67.77	9.92	9.04	-8.87
Sorghum	1404.78	1778.99	26.64	10940.59	9276.75	-15.21	7.79	5.21	-33.12
Finger Millet	*	-		*	-		*	-	
Oats/Aja'	-	-		-	-		-	-	
Rice	-	-		0.00	-		-	-	
Pulses	103.20	712.44	590.35	288.14	1783.89	519.11			
Horse Beans	*	-		*	-		*	-	
Field Pease	*	*		*	*		*	*	
Haricot beans	35.05	235.02	570.53	139.29	914.98	556.89	3.97	3.89	-2.02
Chick-Peas	59.56	467.35	684.67	138.19	865.05	525.99	2.32	1.85	-20.26
Lentils	3.17	*		0.32	*		0.10	*	
Vetch	-	-		-	-		-	-	
Soya Beans	-	-		-	-		-	-	
Fenugreek	*	-		*	-		*	-	
Gibto	0.00	-		0.00	-		0.00	-	
Oilseeds	142.10	214.18	50.72	747.61	797.83	6.72			
Neug	0.58	14.57	2412.07	1.46	*		2.52	*	
Linseed	*	*		*	*		*	*	
Groundnut	*	*		*	*		*	*	
Sufflower	10.76	54.62	407.62	32.83	162.65	395.43	3.05	2.98	-2.30
Sesame	-	141.60		-	580.47		-	4.10	
Rapeseed	-	-		-	-		-	-	

Table 3.1 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Zone 1

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	5266.36	1730.42	-67.14	49808.80	17682.28	-64.50			
Cereals	5234.07	1730.42	-66.94	49640.98	17682.28	-64.38			
Teff	-	-		-	-		-	-	
Barley	-	-		-	-		-	-	
Wheat	-	-		-	-		-	-	
Maize	5150.66	1688.41	-67.22	48816.55	17477.94	-64.20	9.48	10.35	9.18
Sorghum	64.05	-		824.43	-		12.87	-	
Finger Millet	*	-		*	-		*	-	
Oats/Aja'	-	-		-	-		-	-	
Rice	-	-		-	-		-	-	
Pulses	*	-		*	-				
Horse Beans	-	-		-	-		-	-	
Field Peas	-	-		-	-		-	-	
Haricot beans	*	-		*	-		*	-	
Chick-Peas	-	-		-	-		-	-	
Lentils	-	-		-	-		-	-	
Vetch	-	-		-	-		-	-	
Soya Beans	-	-		-	-		-	-	
Fenugreek	-	-		-	-		-	-	
Gibto	-	-		-	-		-	-	
Oilseeds	26.28	-		167.92	-				
Neug	-	-		-	-		-	-	
Linseed	*	-		*	-		*	-	
Groundnut	*	-		*	-		*	-	
Sufflower	-	-		-	-		-	-	
Sesame	19.50	-		167.50	-		8.59	-	
Rapeseed	-	-		-	-		-	-	

Table 3.2 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Zone 3

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	3269.71	5735.70	75.42	26470.30	22850.25	-13.68			
Cereals	3056.68	4809.09	57.33	25602.52	20268.54	-20.83			
Teff	694.64	2502.82	260.30	3433.15	8784.35	155.87	4.94	3.51	-28.95
Barley	21.41	33.11	54.65	159.83	0.00	-100.00	7.47	0.00	-100.00
Wheat	50.16	0.00	-100.00	194.31	0.00	-100.00	3.87	0.00	-100.00
Maize	949.75	468.46	-50.68	11699.09	2025.75	-82.68	12.32	4.32	-64.94
Sorghum	1340.72	1736.98	29.56	10116.15	9072.41	-10.32	7.55	5.22	-30.86
Finger Millet	-	-	-	-	-	-	-	0.00	-
Oats/Aja'	-	-	-	-	-	-	-	0.00	-
Rice	-	-	-	-	-	-	-	0.00	-
Pulses	97.20	712.44	632.96	288.14	1783.89	519.11			
Horse Beans	*	*	-	*	*	-	*	*	-
Field Pease	*	*	-	*	*	-	*	*	-
Haricot beans	29.04	235.02	709.30	139.29	914.98	556.89	4.80	3.89	-18.96
Chick-Peas	59.56	467.35	684.67	138.19	865.06	525.99	2.32	1.85	-20.26
Lentils	3.17	0.00	-100.00	0.32	0.00	-100.00	0.10	0.00	-100.00
Vetch	-	0.00	-	-	0.00	-	-	0.00	-
Soya Beans	-	0.00	-	-	0.00	-	-	0.00	-
Fenugreek	*	*	-	*	*	-	*	*	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	*	214.18	*	*	797.83	*			
Neug	0.58	14.57	2412.07	1.46	0.00	-100.00	2.52	0.00	-100.00
Linseed	*	*	-	*	*	-	*	*	-
Groundnut	*	*	-	*	*	-	*	*	-
Sufflower	10.76	54.62	407.62	32.83	162.65	395.43	3.05	2.98	-2.30
Sesame	-	141.60	-	-	580.47	-	-	4.10	-
Rapeseed	-	-	-	-	-	-	-	-	-

Table 4. Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	2880425.12	2894219.15	0.48	32913797.46	23131679.96	-29.72			
Cereals	2216029.07	2216114.07	0.00	27144178.82	18863755.31	-30.51			
Teff	778202.03	838056.04	7.69	6973002.40	6007581.75	-13.85	8.96	7.17	-19.98
Barley	274628.32	307597.50	12.01	3127282.40	2475939.36	-20.83	11.39	8.05	-29.32
Wheat	286246.58	296111.28	3.45	3537726.33	2627610.23	-25.73	12.36	8.87	-28.24
Maize	296356.11	238406.66	-19.55	6374895.81	3518777.80	-44.80	21.51	14.76	-31.38
Sorghum	409473.20	368433.94	-10.02	5226285.11	2532985.42	-51.53	12.76	6.88	-46.08
Finger Millet	155526.83	153394.75	-1.37	1678717.62	1577640.99	-6.02	10.79	10.28	-4.73
Oats/Aja'	8996.12	10719.46	19.16	94339.17	78431.72	-16.86	10.49	7.32	-30.22
Rice	6599.88	*		131929.98	*		19.99	*	
Pulses	488183.62	496478.59	1.70	4920234.01	3530973.40	-28.24			
Horse Beans	168944.71	194084.62	14.88	2101390.03	1647081.90	-21.62	12.44	8.49	-31.75
Field Pease	78144.77	98638.85	26.23	640910.81	557056.97	-13.08	8.20	5.65	-31.10
Haricot beans	22518.39	38220.63	69.73	169182.07	179583.09	6.15	7.51	4.70	-37.42
Chick-Peas	109431.99	81343.54	-25.67	1038747.98	568061.65	-45.31	9.49	6.98	-26.45
Lentils	40120.86	34579.46	-13.81	259856.63	164870.50	-36.55	6.48	4.77	-26.39
Vetch	53966.46	27662.41	-48.74	591933.40	270083.53	-54.37	10.97	9.76	-11.03
Soya Beans	250.80	-		2065.92	-		8.24	-	
Fenugreek	7589.06	11365.28	49.76	56828.13	63600.92	11.92	7.49	5.60	-25.23
Gibto	7216.57	10583.80	46.66	59319.04	80634.84	35.93	8.22	7.62	-7.30
Oilseeds	176212.43	181626.49	3.07	849384.63	736951.25	-13.24			
Neug	119547.94	127213.20	6.41	450479.57	426088.94	-5.41	3.77	3.35	-11.14
Linseed	23823.58	26421.73	10.91	97426.90	73298.71	-24.77	4.09	2.77	-32.27
Groundnut	*	*		*	*		*	*	
Sufflower	4232.82	2901.98	-31.44	29411.52	11561.31	-60.69	6.95	3.98	-42.73
Sesame	18111.31	11395.09	-37.08	132630.80	44197.09	-66.68	7.32	3.88	-46.99
Rapeseed	8806.03	12379.02	40.57	122592.55	167825.29	36.90	13.92	13.56	-2.59

Table 4.1 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

North Gonder Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	483721.48	481370.45	-0.49	5104666.78	2774331.27	-45.65			
Cereals	368357.91	376358.63	2.17	4129947.18	2294512.90	-44.44			
Teff	100588.16	104943.81	4.33	804839.58	486553.58	-39.55	8.00	4.64	-42.00
Barley	40525.81	44301.98	9.32	432215.43	297210.90	-31.24	10.67	6.71	-37.11
Wheat	32953.30	23419.91	-28.93	318569.97	110659.69	-65.26	9.67	4.73	-51.09
Maize	35411.34	34609.99	-2.26	592042.51	275172.08	-53.52	16.72	7.95	-52.45
Sorghum	125980.17	137889.58	9.45	1609281.70	912590.02	-43.29	12.77	6.62	-48.16
Finger Millet	30162.54	26365.15	-12.59	348347.86	180692.35	-48.13	11.55	6.85	-40.69
Oats/'Aja'	2224.12	*		20383.77	*		9.16	*	
Rice	512.47	505.82	-1.30	4266.36	*		8.33	*	
Pulses	75801.00	71199.61	-6.07	750900.87	371000.12	-50.59			
Horse Beans	23552.20	27274.25	15.80	281308.37	178458.00	-36.56	11.94	6.54	-45.23
Field Pease	12101.64	12528.09	3.52	101586.58	46431.83	-54.29	8.39	3.71	-55.78
Haricot beans	2895.42	3196.97	10.41	8059.54	3400.25	-57.81	2.78	1.06	-61.87
Chick-Peas	27521.15	21364.30	-22.37	280472.47	105991.67	-62.21	10.19	4.96	-51.32
Lentils	5367.40	3378.78	-37.05	39838.47	0.00	-100.00	7.42	0.00	-100.00
Vetch	2333.98	*		24594.10	6065.01	-75.34	10.54	*	
Soya Beans	*	-		*	-		*	-	
Fenugreek	1989.95	*		15014.20	*		7.55	*	
Gibto	-	-		-	-		-	-	
Oilseeds	39562.57	33812.21	-14.53	223818.73	108818.25	-51.38			
Neug	21171.06	20094.92	-5.08	97250.96	65446.55	-32.70	4.59	3.26	-28.98
Linseed	3631.06	4797.89	32.13	13073.22	8019.24	-38.66	3.60	1.67	-53.61
Groundnut	*	-		*	-		*	-	
Sufflower	1543.51	*		11603.14	3103.77	-73.25	7.52	*	
Sesame	12705.38	7535.70	-40.69	97239.78	30931.63	-68.19	7.65	4.10	-46.41
Rapeseed	510.58	*		4651.63	*		9.11	*	

Table 4.2 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

South Gonder Zone									
Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	367304.39	409119.41	11.38	3450961.17	3177622.66	-7.92			
Cereals	262202.31	309990.20	18.23	2639448.82	2600802.99	-1.46			
Teff	108484.64	126506.85	16.61	865259.82	932090.13	7.72	7.98	7.37	-7.64
Barley	37655.43	54414.67	44.51	359548.05	467563.71	30.04	9.55	8.59	-10.05
Wheat	33752.77	39199.38	16.14	347664.25	349426.14	0.51	10.30	8.91	-13.50
Maize	33813.78	33009.50	-2.38	546430.91	377816.34	-30.86	16.16	11.45	-29.15
Sorghum	17531.29	25319.07	44.42	146381.07	106910.08	-26.96	8.35	4.22	-49.46
Finger Millet	24711.47	28875.10	16.85	245641.04	328537.91	33.75	9.94	11.38	14.49
Oats/Aja'	398.72	*		3547.79	*		8.90	*	
Rice	5854.22	*		124975.88	*		21.35	*	
Pulses	78714.13	72296.17	-8.15	696513.80	473816.86	-31.97			
Horse Beans	22043.99	24949.90	13.18	258658.19	223313.42	-13.66	11.73	8.95	-23.70
Field Pease	12082.13	17551.98	45.27	108963.47	100385.09	-7.87	9.02	5.72	-36.59
Haricot beans	4250.51	13655.78	221.27	33297.60	49483.73	48.61	7.83	3.62	-53.77
Chick-Peas	19884.73	8877.51	-55.36	158788.96	61090.72	-61.53	7.99	6.88	-13.89
Lentils	4524.37	2486.60	-45.04	16958.85	6708.46	-60.44	3.75	2.70	-28.00
Vetch	13580.58	2180.48	-83.94	100713.82	16355.92	-83.76	7.42	7.50	1.08
Soya Beans	*	-		*	-		*	-	
Fenugreek	241.76	*		782.67	*		3.24	*	
Gibio	2061.85	*		17590.18	*		8.53	*	
Oilseeds	26387.95	26833.03	1.69	114998.55	103002.80	-10.43			
Neug	19738.85	20127.45	1.97	79745.38	75925.94	-4.79	4.04	3.77	-6.68
Linseed	4506.28	5751.94	27.64	19556.59	21228.35	8.55	4.34	3.69	-14.98
Groundnut	-	-		-	-		-	-	
Sunflower	972.76	*		5547.30	*		5.70	*	
Sesame	*	-		*	-		*	-	
Rapeseed	1077.45	647.24	-39.93	10003.04	5221.46	-47.80	9.28	8.07	-13.04

Table 4.3 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

North Wolo Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	204970.17	195836.00	-4.55	2357160.36	1403065.97	-40.48			
Cereals	160420.60	149164.31	-7.02	1892934.87	1041967.05	-44.95			
Teff	52808.34	65451.25	23.94	450881.19	390980.36	-13.29	8.54	5.97	-30.09
Barley	31596.67	25535.02	-19.18	444447.99	222183.09	-50.01	14.07	8.70	-38.17
Wheat	19751.93	19102.62	-3.29	229479.45	132245.18	-42.37	11.62	6.92	-40.45
Maize	6466.78	5051.25	-21.89	66488.34	30709.56	-53.81	10.28	6.08	-40.86
Sorghum	47217.69	31064.04	-34.21	670909.27	243715.31	-63.67	14.21	7.85	-44.76
Finger Millet	1093.60	458.21	-58.10	14745.56	3676.52	-75.07	13.48	8.02	-40.50
Oats/Aja'	1485.59	2501.91	68.41	15983.08	18457.04	15.48	10.76	7.38	-31.41
Rice	-	-	-	-	-	-	-	-	-
Pulses	39952.93	43244.70	8.24	439270.15	351663.00	-19.94			
Horse Beans	11727.79	13142.33	12.06	154971.74	121509.86	-21.59	13.21	9.25	-29.98
Field Pease	8949.38	10553.17	17.92	89577.19	71317.58	-20.38	10.01	6.76	-32.47
Haricot beans	1627.85	1448.31	-11.03	14545.75	8742.86	-39.89	8.94	6.04	-32.44
Chick-Peas	8998.03	9245.85	2.75	96127.01	80355.12	-16.41	10.68	8.69	-18.63
Lentils	6486.32	4842.63	-25.34	52507.15	33752.04	-35.72	8.10	6.97	-13.95
Vetch	1574.16	1934.59	22.90	25992.04	21496.61	-17.30	16.51	11.11	-32.71
Soya Beans	*	-	-	*	-	-	*	-	-
Fenugreek	588.26	*	-	5549.28	*	-	9.43	*	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	4596.64	3227.00	-29.80	24955.34	9435.92	-62.19			
Neug	421.55	505.84	20.00	2936.64	1725.83	-41.23	6.97	3.41	-51.08
Linseed	3060.02	2461.27	-19.57	13826.71	6914.65	-49.99	4.52	2.81	-37.83
Groundnut	*	-	-	*	-	-	*	-	-
Sufflower	423.93	*	-	3377.89	578.62	-82.87	7.97	*	-
Sesame	608.29	122.17	-79.92	4214.09	213.77	-94.93	6.93	1.75	-74.75
Rapeseed	-	*	-	-	*	-	-	*	-

Table 4.4 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

South Wolo Zone									
Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	340612.22	331694.43	-2.62	3908094.89	2466044.47	-36.90			
Cereals	253663.08	234444.10	-7.58	2977951.35	1798195.65	-39.62			
Teff	87360.61	87338.36	-0.03	775842.05	598594.58	-22.85	8.88	6.85	-22.86
Barley	36833.99	32487.03	-11.80	492280.95	274908.98	-44.16	13.36	8.46	-36.68
Wheat	51567.76	65268.69	26.57	628906.68	504478.47	-19.78	12.20	7.73	-36.64
Maize	13267.04	8334.14	-37.18	213991.63	55763.87	-73.94	16.13	6.69	-58.52
Sorghum	59588.38	36518.32	-38.72	809902.98	328900.79	-59.39	13.59	9.01	-33.70
Finger Millet	637.95	942.57	47.75	7021.80	6486.89	-7.62	11.01	6.88	-37.51
Oats/'Aja'	4320.90	3447.86	-20.21	48699.83	27444.44	-43.65	11.27	7.96	-29.37
Rice	86.45	*		1305.44	*		15.10	*	
Pulses	80306.83	90766.77	13.02	898541.61	644371.62	-28.29			
Horse Beans	31062.48	28307.99	-8.87	442442.34	238645.27	-46.06	14.24	8.43	-40.80
Field Pease	12762.62	19644.18	53.92	106192.94	114355.39	7.69	8.32	5.82	-30.05
Haricot beans	3129.62	4944.07	57.98	29573.65	30754.30	3.99	9.45	6.22	-34.18
Chick-Peas	11277.21	15279.18	35.49	112690.61	138281.59	22.71	9.99	9.05	-9.41
Lentils	10969.33	13216.01	20.48	77928.41	57827.53	-25.79	7.10	4.38	-38.31
Vetch	8367.05	5369.10	-35.83	105359.31	43229.31	-58.97	12.59	8.05	-36.06
Soya Beans	*	-		*	-		*	-	
Fenugreek	2726.03	4006.23	46.96	24266.47	21278.22	-12.31	8.90	5.31	-40.34
Gibto	*	-		*	-		*	-	
Oilseeds	6642.31	6483.56	-2.39	31601.93	23477.20	-25.71			
Neug	2860.02	4455.64	55.79	10565.91	16579.05	56.91	3.69	3.72	0.81
Linseed	2806.80	1416.00	-49.55	12550.12	3693.95	-70.57	4.47	2.61	-41.61
Groundnut	*	-		*	-		*	-	
Sufflower	154.83	*		1530.17	*		9.88	*	
Sesame	750.38	*		6477.24	*		8.63	*	
Rapeseed	68.24	148.11	117.04	478.49	551.53	15.26	7.01	3.72	-46.93

Table 4.5 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

North Shewa(Amhara) Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	352268.09	375239.29	6.52	3755621.06	2514179.26	-33.06			
Cereals	273224.82	278583.85	1.96	2995383.81	1846684.63	-38.35			
Teff	78689.62	102871.58	30.73	630058.77	540996.02	-14.14	8.01	5.26	-34.33
Barley	34348.05	42709.43	24.34	368296.27	306036.11	-16.90	10.72	7.17	-33.12
Wheat	62652.99	64491.38	2.93	738657.15	603845.03	-18.25	11.79	9.36	-20.61
Maize	7794.63	5174.58	-33.61	78331.57	27020.43	-65.51	10.05	5.22	-48.06
Sorghum	89334.53	63175.63	-29.28	1176045.84	367219.16	-68.78	13.16	5.81	-55.85
Finger Millet	266.73	*		2819.61	*		10.57	*	
Oats/'Aja'	138.27	*		1174.61	*		8.50	*	
Rice	-	-		-	-		-	-	
Pulses	72659.95	89412.18	23.06	731295.02	649638.04	-11.17			
Horse Beans	30835.17	42549.32	37.99	387642.32	357782.99	-7.70	12.57	8.41	-33.09
Field Pease	9873.19	14536.37	47.23	66177.62	74975.17	13.29	6.70	5.16	-22.99
Haricot beans	2017.12	3068.52	52.12	14136.53	10371.42	-26.63	7.01	3.38	-51.78
Chick-Peas	16048.67	16482.98	2.71	152701.17	114105.24	-25.28	9.51	6.92	-27.23
Lentils	8657.23	5988.29	-30.83	51869.49	23566.09	-54.57	5.99	3.94	-34.22
Vetch	3917.89	5186.30	32.37	50799.11	60306.93	18.72	12.97	11.63	-10.33
Soya Beans	10.78	-	#VALUE!	0.00	-		0.00	-	
Fenugreek	1281.62	1600.41	24.87	7875.51	8530.20	8.31	6.14	5.33	-13.19
Gibto	*	-		*	-		*	-	
Oilseeds	6383.32	7243.25	13.47	28942.23	17856.59	-38.30			
Neug	847.67	1039.59	22.64	2322.42	1528.34	-34.19	2.74	1.47	-46.35
Linseed	3594.06	4591.26	27.75	12320.81	9314.91	-24.40	3.43	2.03	-40.82
Groundnut	*	-		*	-		*	-	
Sufflower	620.05	258.07	-58.38	4839.70	2090.85	-56.80	7.81	8.10	3.71
Sesame	1248.74	1274.17	2.04	9058.27	4601.28	-49.20	7.25	3.61	-50.21
Rapeseed	65.43	80.16	22.51	389.26	0.00	-100.00	5.95	0.00	-100.00

Table 4.6 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
	Total Grains	429724.63	401783.96	-6.50	5419394.24	3652412.71	-32.60		
Cereals	338860.27	318023.62	-6.15	4582189.37	3071230.33	-32.97			
Teff	169824.93	165674.77	-2.44	1969216.35	1612354.26	-18.12	11.60	9.73	-16.12
Barley	41914.13	46904.54	11.91	483543.44	343554.42	-28.95	11.54	7.32	-36.57
Wheat	58851.09	60260.39	2.39	923962.39	656083.38	-28.99	15.70	10.89	-30.64
Maize	46822.50	29522.00	-36.95	953600.35	332199.32	-65.16	20.37	11.25	-44.77
Sorghum	19832.47	14697.91	-25.89	236872.29	122401.25	-48.33	11.94	8.33	-30.23
Finger Millet	1547.38	*		13980.47	*		9.03	*	
Oats/'Aja'	67.77	*		1014.08	*		14.96	*	
Rice	-	-		-	-		-	-	
Pulses	70374.08	64337.09	-8.58	739030.46	509476.19	-31.06			
Horse Beans	21122.90	24721.96	17.04	248839.93	210622.74	-15.36	11.78	8.52	-27.67
Field Pease	11114.92	11594.27	4.31	87355.12	70112.09	-19.74	7.86	6.05	-23.03
Haricot beans	4618.88	4742.13	2.67	40718.82	21262.66	-47.78	8.82	4.48	-49.21
Chick-Peas	16028.93	8236.10	-48.62	168663.08	57783.90	-65.74	10.52	7.02	-33.27
Lentils	1884.36	*		10032.76	*		5.32	*	
Vetch	13962.52	11505.98	-17.59	169591.66	116230.44	-31.46	12.15	10.10	-16.87
Soya Beans	*	-		*	-		*	-	
Fenugreek	447.93	733.22	63.69	2196.19	3319.11	51.13	4.90	4.53	-7.55
Gibto	1146.39	*		11358.87	*		9.91	*	
Oilseeds	20490.28	19423.24	-5.21	98174.41	71706.20	-26.96			
Neug	16311.22	14545.26	-10.83	70712.64	38717.39	-45.25	4.34	2.66	-38.71
Linseed	2745.05	2198.87	-19.90	13675.52	5438.67	-60.23	4.98	2.47	-50.40
Groundnut	-	-		-	-		-	-	
Sufflower	46.98	*		*	*		*	*	
Sesame	*	-		*	-		*	-	
Rapeseed	1346.64	2631.17	95.39	13459.67	27497.40	104.29	10.00	10.45	4.50

Table 4.7 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

West Gojam Zone		TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
Major Crops	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	
Total Grains	406356.57	402432.63	-0.97	5686664.69	4583592.23	-19.40				
Cereals	316613.68	312779.18	-1.21	4988458.21	3955996.29	-20.70				
Teff	102547.05	107436.51	4.77	891801.22	889475.58	-0.26	8.70	8.28	-4.83	
Barley	26190.86	40275.46	53.78	299753.92	408009.03	36.11	11.44	10.13	-11.45	
Wheat	15753.60	14808.97	-6.00	247049.26	201641.97	-18.38	15.68	13.62	-13.14	
Maize	110650.02	86424.91	-21.89	2879413.73	1739738.86	-39.58	26.02	20.13	-22.64	
Sorghum	3140.62	*		34961.10	*		11.13	*		
Finger Millet	58140.74	59763.76	2.79	633820.14	660239.83	4.17	10.90	11.05	1.38	
Oats/Aja'	190.78	*		1658.85	*		8.70	*		
Rice	-	-		-	-		-	-		
Pulses	46662.89	38031.51	-18.50	486010.60	363654.88	-25.18				
Horse Beans	18076.52	20688.61	14.45	225755.97	227360.05	0.71	12.49	10.99	-12.01	
Field Pease	6507.16	7621.22	17.12	50377.20	53951.32	7.09	7.74	7.08	-8.53	
Haricot beans	1702.93	4112.61	141.50	16114.55	36857.88	128.72	9.46	8.96	-5.29	
Chick-Peas	7540.53	*		57055.83	*		7.57	*		
Lentils	138.86	*		567.61	*		4.09	*		
Vetch	10106.37	*		113504.83	*		11.23	*		
Soya Beans	*	-		*	-		*	-		
Fenugreek	288.54	*		1052.78	*		3.65	*		
Gibto	2292.95	4653.68	102.96	21469.14	37289.10	73.69	9.36	8.01	-14.42	
Oilseeds	43080.00	51621.94	19.83	212195.88	263941.06	24.39				
Neug	36044.74	40126.41	11.32	123603.01	126594.91	2.42	3.43	3.15	-8.16	
Linseed	2094.00	3747.47	78.96	9111.55	15935.95	74.90	4.35	4.25	-2.30	
Groundnut	*	-		*	-		*	-		
Sunflower	54.24	-		311.51	-		5.74	-		
Sesame	*	-		*	-		*	-		
Rapeseed	4703.15	7748.06	64.74	78462.98	121410.19	54.74	16.68	15.67	-6.06	

Table 4.8 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Waghamera Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	67427.38	74049.73	9.82	489294.99	402665.15	-17.71			
Cereals	52893.60	56414.36	6.66	382543.74	304560.81	-20.39			
Teff	18886.71	19266.26	2.01	107939.24	99312.74	-7.99	5.72	5.15	-9.97
Barley	10996.75	14362.12	30.60	82618.23	87525.64	5.94	7.51	6.09	-18.91
Wheat	6493.88	7451.50	14.75	50159.29	49814.12	-0.69	7.72	6.69	-13.34
Maize	1292.82	1897.48	46.77	8542.38	7452.28	-12.76	6.61	3.93	-40.54
Sorghum	14923.54	12988.81	-12.96	131367.87	57426.58	-56.29	8.80	4.42	-49.77
Finger Millet	299.49	448.19	49.65	1914.77	3029.45	58.21	6.39	6.76	5.79
Oats/'Aja'	*	-		*	-		*	-	
Rice	-	-		-	-		-	-	
Pulses	13089.33	15461.93	18.13	102323.44	93208.69	-8.91			
Horse Beans	7129.48	9376.42	31.52	68982.12	64095.64	-7.08	9.68	6.84	-29.34
Field Pease	1712.00	2268.71	32.52	12384.39	12376.28	-0.07	7.23	5.46	-24.48
Haricot beans	1194.47	193.47	-83.80	5128.05	617.60	-87.96	4.29	3.19	-25.64
Chick-Peas	1030.37	1465.11	42.19	6173.03	8299.90	34.45	5.99	5.67	-5.34
Lentils	2012.29	2144.54	6.57	9647.28	7804.37	-19.10	4.79	3.64	-24.01
Vetch	*	-		*	-		*	-	
Soya Beans	-	-		-	-		-	-	
Fenugreek	3.64	*		8.57	14.90	73.86	2.35	*	
Gibto	*	-		*	-		*	-	
Oilseeds	1444.45	2173.44	50.47	4427.81	4895.65	10.57			
Neug	156.04	330.91	112.07	290.09	435.66	50.18	1.86	1.32	-29.03
Linseed	676.29	1024.58	51.50	1662.40	2041.25	22.79	2.46	1.99	-19.11
Groundnut	*	-		*	-		*	-	
Sufflower	283.87	685.37	141.44	1273.77	2258.90	77.34	4.49	3.30	-26.50
Sesame	*	*		*	*		*	*	
Rapeseed	*	-		*	-		*	-	

Table 4.9 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
	Agewawie Zone								
Total Grains	183412.13	161698.80	-11.84	2241745.81	1756325.23	-21.65			
Cereals	148459.17	124168.68	-16.36	2079131.80	1568338.10	-24.57			
Teff	50020.21	48642.62	-2.75	398161.10	408731.17	2.65	7.96	8.40	5.53
Barley	13967.23	5873.68	-57.95	158054.30	63465.68	-59.85	11.32	10.81	-4.51
Wheat	4392.10	1967.01	-55.21	52607.88	18825.17	-64.22	11.98	9.57	-20.12
Maize	33749.38	28636.91	-15.15	958321.98	641321.08	-33.08	28.40	22.39	-21.16
Sorghum	7511.40	*		99974.82	*		13.31	*	
Finger Millet	38576.92	35580.01	-7.77	409626.95	390702.89	-4.62	10.62	10.98	3.39
Oats/'Aja'	128.68	*		1320.15	*		10.26	*	
Rice	113.25	*		1064.62	*		9.40	*	
Pulses	9095.90	8716.91	-4.17	65343.08	61825.01	-5.38			
Horse Beans	3171.21	2552.20	-19.52	29745.92	21354.82	-28.21	9.38	8.37	-10.77
Field Pease	2897.77	1785.58	-38.38	16694.95	10633.05	-36.31	5.76	5.95	3.30
Haricot beans	612.93	*		0.00	*		0.00	*	
Chick-Peas	489.82	-		2390.09	-		4.88	-	
Lentils	*	-		*	-		*	-	
Vetch	*	-		*	-		*	-	
Soya Beans	*	-		*	-		*	-	
Fenugreek	21.23	60.93	187.00	82.46	217.51	163.78	3.88	3.57	-7.99
Gibto	1682.04	2786.16	65.64	8736.61	15024.59	71.97	5.19	5.39	3.85
Oilseeds	25857.06	28813.21	11.43	97270.93	126162.12	29.70			
Neug	21922.26	25861.60	17.97	62803.41	98663.21	57.10	2.86	3.82	33.57
Linsced	671.28	356.21	-46.94	1550.09	585.54	-62.23	2.31	1.64	-29.00
Groundnut	*	*		*	*		*	*	
Sufflower	*	-		*	-		*	-	
Sesame	691.01	*		0.00	*		0.00	*	
Rapeseed	897.89	850.49	-5.28	13722.31	11414.26	-16.82	15.28	13.42	-12.17

Table 4.10 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
	Oromia Zone								
Total Grains	44628.06	61194.45	37.12	500193.49	401441.03	-19.74			
Cereals	41333.64	56187.13	35.94	476189.68	381466.57	-19.89			
Teff	8991.75	9924.03	10.37	79003.10	48493.34	-38.62	8.79	4.89	-44.37
Barley	599.41	733.56	22.38	6523.81	5481.82	-15.97	10.88	7.47	-31.34
Wheat	77.15	*		670.02	*		8.68	*	
Maize	7087.82	5745.91	-18.93	77732.41	31584.00	-59.37	10.97	5.50	-49.86
Sorghum	24413.12	39328.24	61.09	310588.19	292539.76	-5.81	12.72	7.44	-41.51
Finger Millet	90.01	100.81	12.00	799.43	0.00	-100.00	8.88	0.00	-100.00
Oats/Aja'	*	*		*	*		*	*	
Rice	33.49	*		317.67	*		9.49	*	
Pulses	1526.57	3011.73	97.29	11005.00	12318.99	11.94			
Horse Beans	222.97	*		3043.15	*		13.65	*	
Field Pease	143.95	*		1601.36	*		11.12	*	
Haricot beans	468.66	1326.73	183.09	2162.79	3497.33	61.70	4.61	2.64	-42.73
Chick-Peas	612.55	312.93	-48.91	3685.72	1341.78	-63.60	6.02	4.29	-28.74
Lentils	75.17	*		499.98	*		6.65	*	
Vetch	*	-		*	-		*	-	
Soya Beans	-	-		-	-		-	-	
Fenugreek	*	-		*	-		*	-	
Gibto	-	-		-	-		-	-	
Oilseeds	1767.85	1995.60	12.88	12998.81	7655.47	-41.11			
Neug	74.53	*		249.13	*		3.34	*	
Linseed	38.74	76.23	96.77	99.90	126.22	26.35	2.58	1.66	-35.66
Groundnut	*	*		*	*		*	*	
Sufflower	126.60	133.96	5.81	763.13	603.36	-20.94	6.03	4.50	-25.37
Sesame	1470.52	1647.84	12.06	11047.16	6362.61	-42.41	7.51	3.86	-48.60
Rapeseed	*	*		*	*		*	*	

Table 5. Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
	Total Grains	3463968.53	3508690.94	1.29	48949524.89	37000783.61	-24.41		
Cereals	2911616.17	2900878.01	-0.37	44260457.24	32823235.76	-25.84			
Teff	762119.72	803148.30	5.38	7132516.16	6371320.41	-10.67	9.36	7.93	-15.28
Barley	367426.19	351397.51	-4.36	4773395.38	3348186.03	-29.86	12.99	9.53	-26.64
Wheat	545923.45	527049.73	-3.46	8595217.36	6345180.83	-26.18	15.74	12.04	-23.51
Maize	729461.83	702705.41	-3.67	16603874.24	11150537.15	-32.84	22.76	15.87	-30.27
Sorghum	437397.55	426498.34	-2.49	6355852.91	4678142.24	-26.40	14.53	10.97	-24.50
Finger Millet	49335.52	71930.69	45.80	546501.28	763348.21	39.68	11.08	10.61	-4.24
Oats/'Aja'	19366.68	17714.09	-8.53	243587.90	161065.72	-33.88	12.58	9.09	-27.74
Rice	585.23	433.95	-25.85	9512.02	5455.18	-42.65	16.25	12.57	-22.65
Pulses	363960.71	381007.46	4.68	3780677.15	3304071.27	-12.61			
Horse Beans	137377.84	136972.39	-0.30	1674197.88	1402545.98	-16.23	12.19	10.24	-16.00
Field Pease	64706.78	74398.63	14.98	567644.28	584987.52	3.06	8.77	7.86	-10.38
Haricot beans	63451.13	88196.43	39.00	558896.85	596120.50	6.66	8.81	6.76	-23.27
Chick-Peas	55644.95	39930.61	-28.24	587091.16	429298.18	-26.88	10.55	10.75	1.90
Lentils	14003.14	10256.22	-26.76	87532.12	32927.02	-62.38	6.25	3.21	-48.64
Vetch	21973.47	18992.33	-13.57	263707.90	210396.00	-20.22	12.00	11.08	-7.67
Soya Beans	254.31	-		1422.20	-		5.59	-	
Fenugreek	6549.10	12260.85	87.21	40184.75	47796.07	18.94	6.14	3.90	-36.48
Gibto	-	-		-	-		-	-	
Oilseeds	188391.65	226805.46	20.39	908390.50	873476.57	-3.84			
Neug	93154.34	99694.67	7.02	324256.03	353219.13	8.93	3.48	3.54	1.72
Linseed	68819.37	97531.79	41.72	391211.26	329792.05	-15.70	5.68	3.38	-40.49
Groundnut	10095.95	8857.14	-12.27	77559.23	61081.14	-21.25	7.68	6.90	-10.16
Sufflower	916.05	294.01	-67.90	6143.14	1741.66	-71.65	6.71	5.92	-11.77
Sesame	9908.61	15917.04	60.64	64974.53	98222.18	51.17	6.56	6.17	-5.95
Rapeseed	5497.34	4510.82	-17.95	44246.31	29420.41	-33.51	8.05	6.52	-19.01

Table 5.1 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

West Welega Zone									
Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	228023.50	245531.21	7.68	3318200.37	3612047.70	8.86			
Cereals	195354.63	213722.23	9.40	3105583.53	3399664.50	9.47			
Teff	31521.12	21919.83	-30.46	216228.54	142754.11	-33.98	6.86	6.51	-5.10
Barley	3474.67	1908.77	-45.07	27828.82	16942.84	-39.12	8.01	8.88	10.86
Wheat	10964.04	9713.29	-11.41	131982.70	134198.92	1.68	12.04	13.82	14.78
Maize	80460.24	89634.45	11.40	1796982.20	1847556.50	2.81	22.33	20.61	-7.70
Sorghum	44585.09	60238.86	35.11	691333.96	966591.93	39.82	15.51	16.05	3.48
Finger Millet	24164.60	30283.11	25.32	239271.90	291477.65	21.82	9.90	9.63	-2.73
Oats/Aja'	184.87	*		1955.41	*		10.58	*	
Rice	-	-		-	-		-	-	
Pulses	19878.86	17999.23	-9.46	161924.64	167283.32	3.31			
Horse Beans	7199.49	6857.54	-4.75	62398.72	62305.83	-0.15	8.67	9.09	4.84
Field Pease	3682.07	2008.23	-45.46	26600.23	16198.51	-39.10	7.22	8.07	11.77
Haricot beans	7264.28	8780.01	20.87	60851.51	85949.84	41.25	8.38	9.79	16.83
Chick-Peas	1367.53	*		10544.21	*		7.71	*	
Lentils	48.19	*		249.10	*		5.17	*	
Vetch	98.36	-		366.44	-		3.73	-	
Soya Beans	8.77	-		44.35	-		5.06	-	
Fenugreek	210.17	80.64	-61.63	870.08	*		4.14	*	
Gibto	-	-		-	-		-	-	
Oilseeds	12790.01	13809.74	7.97	50692.20	45099.88	-11.03			
Neug	10179.98	12636.48	24.13	33537.27	39821.07	18.74	3.29	3.15	-4.26
Linseed	230.87	300.57	30.19	753.31	1139.72	51.29	3.26	3.79	16.26
Groundnut	19.84	*		82.85	*		4.18	*	
Sufflower	54.60	-		455.40	-		8.34	-	
Sesame	1051.93	*		6874.86	*		6.54	*	
Rapeseed	1252.79	*		8988.51	1893.53	-78.93	7.17	*	

Table 5.2 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

East Welega Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	301777.85	349885.91	15.94	4432718.68	4446194.77	0.30			
Cereals	230212.60	260498.12	13.16	4023675.33	3885054.06	-3.45			
Teff	86924.36	92723.64	6.67	823284.46	793460.92	-3.62	9.47	8.56	-9.61
Barley	15055.63	13864.02	-7.91	171397.62	161339.37	-5.87	11.38	11.64	2.28
Wheat	15306.65	25031.62	63.53	250880.25	346435.52	38.09	16.39	13.84	-15.56
Maize	74737.99	72025.97	-3.63	2119476.06	1499597.60	-29.25	28.36	20.82	-26.59
Sorghum	25049.93	32679.35	30.46	506985.27	777777.83	53.41	20.24	23.80	17.59
Finger Millet	12592.24	23704.62	88.25	144555.33	299863.35	107.44	11.48	12.65	10.19
Oats/Aja'	275.30	*		3210.84	*		11.66	*	
Rice	270.51	*		3885.51	*		14.36	*	
Pulses	18392.26	25003.85	35.95	194626.01	257326.75	32.22			
Horse Beans	10924.09	12431.28	13.80	130161.55	147151.05	13.05	11.92	11.84	-0.67
Field Pease	5238.68	9597.28	83.20	43175.68	81956.20	89.82	8.24	8.54	3.64
Haricot beans	1668.49	*		17778.36	*		10.66	*	
Chick-Peas	410.46	-		2895.69	-		7.05	-	
Lentils	21.59	*		72.05	*		3.34	*	
Vetch	15.93	-		0.00	-		0.00	-	
Soya Beans	30.01	-		0.00	-		0.00	-	
Fenugreek	83.01	*		293.66	*		3.54	*	
Gibto	-	-		-	-		-	-	
Oilseeds	53172.99	64383.94	21.08	214417.34	303813.95	41.69			
Neug	42570.73	48840.70	14.73	140966.29	195521.78	38.70	3.31	4.00	20.85
Linseed	1425.59	975.77	-31.55	4445.50	0.00	-100.00	3.12	0.00	-100.00
Groundnut	1235.84	842.53	-31.83	13084.52	0.00	-100.00	10.59	0.00	-100.00
Sufflower	206.63	*		1048.19	281.81	-73.11	5.07	*	
Sesame	6620.72	12434.24	87.81	44533.99	79696.51	78.96	6.73	6.41	-4.75
Rapeseed	1113.49	1239.41	11.31	10338.85	0.00	-100.00	9.29	0.00	-100.00

Table 5.3 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	172655.58	160601.35	-6.98	2366308.07	2359996.98	-0.27			
Cereals	154911.53	142205.46	-8.20	2248552.23	2236550.04	-0.53			
Teff	49032.47	40500.88	-17.40	433351.04	346012.11	-20.15	8.84	8.54	-3.39
Barley	5184.93	1244.60	-76.00	38017.49	10206.30	-73.15	7.33	8.20	11.87
Wheat	3697.65	2592.21	-29.90	29652.29	23132.19	-21.99	8.02	8.92	11.22
Maize	70876.92	68731.31	-3.03	1405705.75	1417437.85	0.83	19.83	20.62	3.98
Sorghum	21334.68	21719.90	1.81	284503.35	343731.39	20.82	13.34	15.83	18.67
Finger Millet	4546.06	7188.29	58.12	54711.08	95166.38	73.94	12.03	13.24	10.06
Oats/'Aja'	117.29	*		671.64	*		5.73	*	
Rice	121.52	*		1939.59	*		15.96	*	
Pulses	14683.32	15687.88	6.84	106051.11	109068.43	2.85			
Horse Beans	5211.57	4633.09	-11.10	38641.64	31981.48	-17.24	7.41	6.90	-6.88
Field Pease	4689.05	5821.96	24.16	30236.19	33123.29	9.55	6.45	5.69	-11.78
Haricot beans	3399.28	4824.47	41.93	28484.99	41356.85	45.19	8.38	8.57	2.27
Chick-Peas	1150.57	*		7822.61	*		6.80	*	
Lentils	*	-		*	-		*	-	
Vetch	79.52	-		353.32	-		4.44	-	
Soya Beans	*	-		*	-		*	-	
Fenugreek	144.69	200.93	38.87	504.86	802.25	58.91	3.49	3.99	14.33
Gibto	0.00	-		0.00	-		0.00	-	
Oilseeds	3060.73	2708.02	-11.52	11704.73	14378.50	22.84			
Neug	2048.47	1729.43	-15.57	6929.13	6192.55	-10.63	3.38	3.58	5.92
Linseed	407.25	336.71	-17.32	1333.19	1454.88	9.13	3.27	4.32	32.11
Groundnut	14.65	*		162.32	*		11.08	*	
Sufflower	13.06	*		35.85	*		2.75	*	
Sesame	337.56	*		2038.83	*		6.04	*	
Rapeseed	239.75	*		1205.41	*		5.03	*	

Table 5.4 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Jimma Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	306171.25	366838.74	19.81	4691698.61	3669012.16	-21.80			
Cereals	271039.05	323607.62	19.40	4384005.73	3393195.44	-22.60			
Teff	83453.86	114257.03	36.91	781245.27	796908.68	2.00	9.36	6.97	-25.53
Barley	16803.73	12773.74	-23.98	197799.23	84768.04	-57.14	11.77	6.64	-43.59
Wheat	27798.29	34971.83	25.81	353381.16	341751.46	-3.29	12.71	9.77	-23.13
Maize	102350.46	113282.79	10.68	2479004.51	1770290.80	-28.59	24.22	15.63	-35.47
Sorghum	34547.23	41647.83	20.55	485430.74	339583.68	-30.04	14.05	8.15	-41.99
Finger Millet	4508.42	5455.28	21.00	68388.72	50942.44	-25.51	15.17	9.34	-38.43
Oats/'Aja'	1411.56	1152.42	-18.36	15082.39	8029.15	-46.76	10.68	6.97	-34.74
Rice	165.51	*		3673.71	*		22.20	*	
Pulses	24392.61	32256.45	32.24	269146.00	247775.47	-7.94			
Horse Beans	13422.16	16953.37	26.31	163917.80	139833.26	-14.69	12.21	8.25	-32.43
Field Pease	7927.54	13557.25	71.01	76013.39	100739.53	32.53	9.59	7.43	-22.52
Haricot beans	1214.58	1126.28	-7.27	0.00	5779.42		0.00	5.13	
Chick-Peas	1608.58	*		13004.44	243.17	-98.13	8.08	*	
Lentils	182.78	395.18	116.21	703.65	1065.72	51.46	3.85	2.70	-29.87
Vetch	*	-		*	-		*	-	
Soya Beans	*	-		*	-		*	-	
Fenugreek	14.34	*		37.99	*		2.65	*	
Gibto	0.00	-		0.00	-		0.00	-	
Oilseeds	10739.59	10974.67	2.19	38546.88	28041.25	-27.25			
Neug	8411.79	8377.88	-0.40	29502.34	20002.75	-32.20	3.51	2.39	-31.91
Linseed	1908.54	2012.07	5.42	7014.06	5977.35	-14.78	3.68	2.97	-19.29
Groundnut	*	*		*	*		*	*	
Sufflower	*	-		*	-		*	-	
Sesame	257.60	*		1273.83	*		4.94	*	
Rapeseed	58.77	431.18	633.67	216.59	1192.49	450.57	3.69	2.77	-24.93

Table 5.5 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
	West Shewa Zone (New)								
Total Grains	582644.30	336777.97	-42.20	8357811.82	5009055.42	-40.07			
Cereals	472082.32	282194.04	-40.22	7283255.62	4415588.39	-39.37			
Teff	201401.24	96647.85	-52.01	2258105.64	1195080.68	-47.08	11.21	12.37	10.35
Barley	67982.92	50588.11	-25.59	876022.01	718937.10	-17.93	12.89	14.21	10.24
Wheat	82896.09	58802.88	-29.06	1296863.12	992652.55	-23.46	15.64	16.88	7.93
Maize	71657.72	41355.76	-42.29	2023049.37	1031977.37	-48.99	28.23	24.95	-11.62
Sorghum	46011.47	33756.22	-26.64	800918.53	465220.35	-41.91	17.41	13.78	-20.85
Finger Millet	843.70	*		14241.39	*		16.88	*	
Oats/'Aja'	1289.18	917.66	-28.82	14055.56	10012.63	-28.76	10.90	10.91	0.09
Rice	-	-		-	-		-	-	
Pulses	75592.28	32114.11	-57.52	914253.91	486099.67	-46.83			
Horse Beans	25334.29	21109.07	-16.68	366073.75	346813.16	-5.26	14.45	16.43	13.70
Field Peas	8045.44	3877.47	-51.81	87980.55	57571.39	-34.56	10.94	14.85	35.74
Haricot beans	488.10	*		2093.30	*		4.29	*	
Chick-Peas	27062.01	*		289657.15	*		10.70	*	
Lentils	2152.37	663.80	-69.16	14129.17	3859.75	-72.68	6.56	5.81	-11.43
Vetch	11096.45	*		146042.76	*		13.16	*	
Soya Beans	17.99	-		35.98	-		2.00	-	
Fenugreek	1395.62	*		8241.25	*		5.91	*	
Gibto	-	-		-	-		-	-	
Oilseeds	34969.70	22469.82	-35.74	160302.29	107367.36	-33.02			
Neug	21283.55	12630.72	-40.66	78232.37	48259.97	-38.31	3.68	3.82	3.80
Linseed	11894.15	8091.14	-31.97	65758.36	45599.78	-30.66	5.53	5.64	1.99
Groundnut	*	-		*	-		*	-	
Sufflower	125.32	-		1143.02	-		9.12	-	
Sesame	*	*		*	*		*	*	
Rapeseed	1658.49	1729.93	4.31	15167.62	13504.91	-10.96	9.15	7.81	

Table 5.6 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
	Total Grains			191288.88	2272298.21				
Cereals			150675.34	1895969.61					
Teff		97472.64			1160807.16			11.91	
Barley		10910.71			131773.13			12.08	
Wheat		22946.55			336910.92			14.68	
Maize		15358.17			226208.58			14.73	
Sorghum		3655.43			37196.09			10.18	
Finger Millet		*			*			0.00	
Oats/'Aja'		*			*			0.00	
Rice		-			-			0.00	
Pulses			34700.71	348923.04					
Horse Beans		7413.04			86164.88			11.62	
Field Peas		3813.61			35439.18			9.29	
Haricot beans		*			*			0.00	
Chick-Peas		16256.46			163799.48			10.08	
Lentils		784.68			4005.74			5.10	
Vetch		5165.63			51833.08			10.03	
Soya Beans		-			-			0.00	
Fenugreek		123.76			445.01			3.60	
Gibto		0.00			0.00			0.00	
Oilseeds			5912.82	27405.57					
Neug		4798.65			22727.22			4.74	
Linseed		1066.47			4507.99			4.23	
Groundnut		-			-			0.00	
Sufflower		-			-			0.00	
Sesame		-			-			0.00	
Rapeseed		47.69			170.35			3.57	

Note:- Since South-West Shewa zone is a newly constituted zone of the Oromia Region, comparisons of estimates with that of last year's could not be made

Table 5.7 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
	Total Grains	296663.50	280589.15	-5.42	2804516.48	1595168.64	-43.12		
Cereals	236188.61	223623.34	-5.32	2302390.86	1274801.53	-44.63			
Teff	86394.35	97638.82	13.02	704319.64	529706.09	-24.79	8.15	5.43	-33.37
Barley	58184.39	64272.54	10.46	540930.81	365282.96	-32.47	9.30	5.68	-38.92
Wheat	39712.70	31032.89	-21.86	417864.32	211229.25	-49.45	10.52	6.81	-35.27
Maize	5328.45	4527.30	-15.04	79886.69	33072.31	-58.60	14.99	7.31	-51.23
Sorghum	45480.27	25148.49	-44.70	551401.49	129659.39	-76.49	12.12	5.16	-57.43
Finger Millet	83.06	-	-	773.63	-	-	9.31	-	#VALUE!
Oats/'Aja'	1005.40	1003.30	-0.21	7214.29	5851.55	-18.89	7.18	5.83	-18.80
Rice	-	-	-	-	-	-	-	-	-
Pulses	52171.59	46915.06	-10.08	472328.42	300836.51	-36.31			
Horse Beans	27797.48	26023.87	-6.38	261943.92	182481.30	-30.34	9.42	7.01	-25.58
Field Peas	5891.26	5371.48	-8.82	37506.29	21800.37	-41.88	6.37	4.06	-36.26
Haricot beans	55.13	-	-	313.24	-	-	5.68	-	-
Chick-Peas	6414.51	5275.19	-17.76	65431.42	29316.41	-55.20	10.20	5.56	-45.49
Lentils	6232.37	3285.42	-47.28	42176.35	9056.94	-78.53	6.77	2.76	-59.23
Vetch	5433.47	6368.35	17.21	63057.24	56308.74	-10.70	11.61	8.84	-23.86
Soya Beans	*	-	-	*	-	-	*	-	-
Fenugreek	319.49	*	-	1646.30	*	-	5.15	*	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	8303.30	10050.76	21.05	29797.20	19530.59	-34.45			
Neug	3955.35	4371.80	10.53	10621.36	6832.28	-35.67	2.69	1.56	-42.01
Linseed	3985.09	5523.70		16488.75	11674.71		4.14	2.11	-49.03
Groundnut	*	-	-	*	-	-	*	-	-
Sufflower	294.48	*	-	2326.66	*	-	7.90	*	-
Sesame	*	-	-	*	-	-	*	-	-
Rapeseed	31.98	33.27	4.03	0.00	127.59		0.00	3.83	

Table 5.8 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

East Shewa Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	382573.97	396272.62	3.58	5739185.73	3819880.92	-33.44			
Cereals	327618.02	325643.18	-0.60	5192441.64	3236769.10	-37.66			
Teff	111197.25	139801.35	25.72	965709.60	849686.60	-12.01	8.68	6.08	-29.95
Barley	12506.33	17182.28	37.39	182159.21	199258.03	9.39	14.57	11.60	-20.38
Wheat	57036.92	54154.32	-5.05	899347.16	742745.26	-17.41	15.77	13.72	-13.00
Maize	134050.33	104581.88	-21.98	2988738.44	1368910.48	-54.20	22.30	13.09	-41.30
Sorghum	11592.19	8579.59	-25.99	144240.24	67218.33	-53.40	12.44	7.83	-37.06
Finger Millet	1039.07	1191.81	14.70	9705.03	6807.02	-29.86	9.34	5.71	-38.87
Oats/'Aja'	195.93	*		2541.97	2143.38	-15.68	12.97	*	
Rice	-	-		-	-		-	-	
Pulses	53951.72	68901.01	27.71	540885.02	572864.73	5.91			
Horse Beans	6982.12	6084.04	-12.86	76798.10	44324.55	-42.28	11.00	7.29	-33.73
Field Peas	5482.23	6033.63	10.06	46675.45	0.00	-100.00	8.51	0.00	-100.00
Haricot beans	21347.29	34635.11	62.25	198696.99	219711.66	10.58	9.31	6.34	-31.90
Chick-Peas	13669.60	14216.17	4.00	163588.46	189648.15	15.93	11.97	13.34	11.45
Lentils	2887.00	2153.56	-25.40	18936.67	6377.66	-66.32	6.56	2.96	-54.88
Vetch	2857.17	4628.73	62.00	31880.60	61054.67	91.51	11.16	13.19	18.19
Soya Beans	*	-		*	-		*	-	
Fenugreek	724.91	1149.77	58.61	4308.76	8669.31	101.20	5.94	7.54	26.94
Gibto	-	-		-	-		-	-	
Oilseeds	1004.23	1728.43	72.11	5859.07	10247.09	74.89			
Neug	7.41	*		8.87	*		1.20	*	
Linseed	105.37	*		421.10	326.13	-22.55	4.00	*	
Groundnut	*	-		*	*		*	-	
Sufflower	52.84	*		316.24	203.00	-35.81	5.98	*	
Sesame	688.57	1084.79	57.54	4231.86	*		6.15	*	
Rapeseed	149.49	*		880.99	*		5.89	*	

Table 5.9 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	537165.19	520727.94	-3.06	8507308.25	4961301.86	-41.68			
Cereals	450477.84	424455.44	-5.78	7650932.16	4393948.24	-42.57			
Teff	57330.06	62212.03	8.52	530316.97	319981.65	-39.66	9.25	5.14	-44.43
Barley	110316.36	93072.46	-15.63	1755630.34	938577.04	-46.54	15.91	10.08	-36.64
Wheat	188077.15	183406.38	-2.48	3319378.34	2115465.73	-36.27	17.65	11.53	-34.67
Maize	66682.03	59933.14	-10.12	1495172.25	699682.45	-53.20	22.42	11.67	-47.95
Sorghum	24330.13	22799.74	-6.29	502063.35	279954.73	-44.24	20.64	12.28	-40.50
Finger Millet	263.98	217.13	-17.75	2391.59	1932.47	-19.20	9.06	8.90	-1.77
Oats/Aja'	3478.13	2814.57	-19.08	45979.31	0.00	-100.00	13.22	0.00	-100.00
Rice	-	-	-	-	-	-	-	-	-
Pulses	49403.94	49624.14	0.45	632639.40	431263.22	-31.83			
Horse Beans	27373.74	21237.81	-22.42	413839.09	226224.92	-45.34	15.12	10.65	-29.56
Field Peas	11369.88	11166.24	-1.79	115484.37	107440.00	-6.97	10.16	9.62	-5.31
Haricot beans	7092.76	12630.94	78.08	73289.90	0.00	-100.00	10.33	0.00	-100.00
Chick-Peas	949.55	*		8962.87	*		9.44	*	
Lentils	555.28	856.68	54.28	2855.65	2688.05	-5.87	5.14	3.14	-38.91
Vetch	1492.55	*		13082.07	1712.89	-86.91	8.76	*	
Soya Beans	39.60	-		831.69	-		21.00	-	
Fenugreek	530.57	2803.83	428.46	4293.77	12245.25	185.19	8.09	4.37	-45.98
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	37283.41	46648.36	25.12	223736.69	136090.40	-39.17			
Neug	4375.73	*		23412.30	*		5.35	*	
Linseed	31920.54	39945.02	25.14	192307.21	118784.16	-38.23	6.02	2.97	-50.66
Groundnut	*	*		*	*		*	*	
Sufflower	89.21	*		609.52	*		6.83	*	
Sesame	40.54	392.41	867.96	299.79	111.83	-62.70	7.39	0.28	-96.21
Rapeseed	815.19	259.83	-68.13	6625.17	*		8.13	*	

Table 5.10 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

West Harerge Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	168524.31	186555.68	10.70	2437379.65	1450903.19	-40.47			
Cereals	153960.87	169298.66	9.96	2277360.59	1339639.40	-41.18			
Teff	9607.10	10881.73	13.27	111294.24	85569.81	-23.11	11.58	7.86	-32.12
Barley	4935.92	9019.44	82.73	48019.09	53572.47	11.56	9.73	5.94	-38.95
Wheat	4574.81	5346.99	16.88	52483.06	40885.61	-22.10	11.47	7.65	-33.30
Maize	41567.27	53897.05	29.66	697853.82	424723.28	-39.14	16.79	7.88	-53.07
Sorghum	91615.16	87975.29	-3.97	1351394.02	723134.93	-46.49	14.75	8.22	-44.27
Finger Millet	1075.19	1162.27	8.10	10971.54	7080.75	-35.46	10.20	6.09	-40.29
Oats/'Aja'	580.10	1015.89	75.12	5331.60	4672.56	-12.36	9.19	4.60	-49.95
Rice	5.32	-		*	-		*	-	
Pulses	12440.38	14838.40	19.28	146426.18	102178.69	-30.22			
Horse Beans	2644.14	3901.06	47.54	33387.46	37943.23	13.65	12.63	9.73	-22.96
Field Peas	425.43	*		3088.50	*		7.26	*	
Haricot beans	7396.95	8373.06	13.20	89205.31	48381.56	-45.76	12.06	5.78	-52.07
Chick-Peas	1027.99	417.02	-59.43	15897.54	0.00	-100.00	15.46	0.00	-100.00
Lentils	589.20	*		3065.08	*		5.20	*	
Vetch	32.18	*		0.00	*		0.00	*	
Soya Beans	*	-		*	-		*	-	
Fenugreek	323.92	835.94	158.07	1521.60	4763.99	213.09	4.70	5.70	21.28
Gibto	-	-		-	-		-	-	
Oilseeds	2123.06	2418.62	13.92	13592.88	9085.10	-33.16			
Neug	14.47	-		11.89	-		0.82	-	
Linseed	638.95	670.13	4.88	2555.37	1347.01	-47.29	4.00	2.01	-49.75
Groundnut	763.96	*		6687.95	*		8.75	*	
Sufflower	25.98	*		199.72	*		7.69	*	
Sesame	655.04	*		4087.21	*		6.24	*	
Rapeseed	24.66	-		50.74	-		2.06	-	

Table 5.11 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

East Harerge Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	146613.78	155383.02	5.98	2031832.44	1102266.44	-45.75			
Cereals	130805.84	135292.43	3.43	1883035.45	989207.44	-47.47			
Teff	2365.96	2677.38	13.16	20348.36	15007.85	-26.25	8.60	5.61	-34.77
Barley	2709.20	3242.84	19.70	35150.84	22603.66	-35.70	12.97	6.97	-46.26
Wheat	10646.82	9826.88	-7.70	156033.09	70156.68	-55.04	14.66	7.14	-51.30
Maize	36039.31	37603.87	4.34	709498.58	343383.56	-51.60	19.69	9.13	-53.63
Sorghum	78391.56	80721.55	2.97	954362.97	529833.48	-44.48	12.17	6.56	-46.10
Finger Millet	16.35 *			*	*		*	*	
Oats/'Aja'	614.27	1071.54	74.44	7550.29	7973.70	5.61	12.29	7.44	-39.46
Rice	22.37 -			-	-		-	-	
Pulses	7243.16	12305.45	69.89	88053.25	73308.02	-16.75			
Horse Beans	2568.08	2047.29	-20.28	36307.74	20282.86	-44.14	14.14	9.91	-29.92
Field Peas	593.20	515.59	-13.08	6406.10	3455.60	-46.06	10.80	6.70	-37.96
Haricot beans	3409.33	7509.42	120.26	40508.22	40454.01	-0.13	11.88	5.39	-54.63
Chick-Peas	144.90	*		518.99 *			3.58 *		
Lentils	197.19	*		1118.98	2463.04	120.11	5.67 *		
Vetch	*	*		*	*		*	*	
Soya Beans	-	-		-	-		-	-	
Fenugreek	306.56	1023.38	233.83	2772.09	4410.52	59.10	9.04	4.31	-52.32
Gibto	-	-		-	-		-	-	
Oilseeds	8564.78	7785.14	-9.10	60743.74	39750.98	-34.56			
Neug	-	-		-	-		-	-	
Linseed	408.01	985.53	141.55	2668.23	5417.27	103.03	6.54	5.50	-15.90
Groundnut	7931.17	6566.76	-17.20	56511.74	0.00	-100.00	7.13 *		
Sufflower	*	-		*	-		*	-	
Sesame	219.00	225.61	3.02	1545.01	585.81	-62.08	7.05	2.60	-63.12
Rapeseed	5.83 *			10.22 *			1.75 *		

Table 5.12 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	247909.84	257418.76	3.84	3274360.85	2025880.33	-38.13			
Cereals	212789.36	201261.07	-5.42	3023014.60	1803697.93	-40.33			
Teff	31957.47	24919.11	-22.02	213977.48	127416.96	-40.45	6.70	5.11	-23.73
Barley	48076.32	59195.87	23.13	669074.88	496711.17	-25.76	13.92	8.39	-39.73
Wheat	92284.31	79751.26	-13.58	1546668.01	877531.66	-43.26	16.76	11.00	-34.37
Maize	19069.40	18582.15	-2.56	375380.98	198200.09	-47.20	19.68	10.67	-45.78
Sorghum	11003.86	7457.37	-32.23	76688.66	17813.16	-76.77	6.97	2.39	-65.71
Finger Millet	187.46	*	#VALUE!	1399.74	*		7.47	*	
Oats/'Aja'	10210.55	9004.19	-11.81	139824.85	79158.50	-43.39	13.69	8.79	-35.79
Rice	-	-		-	-		-	-	
Pulses	18881.74	18294.84	-3.11	152715.94	89673.21	-41.28			
Horse Beans	5126.99	5775.55	12.65	61254.60	0.00	-100.00	11.95	0.00	-100.00
Field Peas	6615.04	6900.44	4.31	47073.69	26546.52	-43.61	7.12	3.85	-45.93
Haricot beans	1618.50 *			10137.72 *			6.26 *		
Chick-Peas	1177.45 -			6607.56 -			5.61 -		
Lentils	1078.44 *			4206.25	1769.08	-57.94	3.90 *		
Vetch	841.07	631.50	-24.92	8215.08	9063.34	10.33	9.77	14.35	46.88
Soya Beans	45.24 -			-	0.00		0.00 -		
Fenugreek	2379.02 *			15221.04	1849.40	-87.85	6.40 *		
Gibto	0.00 -			-	0.00		0.00 -		
Oilseeds	16238.74	37862.86	133.16	98630.31	132509.19	34.35			
Neug	306.38 *		#VALUE!	1034.21	0.00	-100.00	3.38	0.00	-100.00
Linseed	15877.46	37324.23	135.08	97404.93	130842.60	34.33	6.13	3.51	-42.74
Groundnut	*	-		*	-		*	-	
Sufflower	*	-		*	-		*	-	
Sesame	*	-		*	-		*	-	
Rapeseed	45.97 *			174.20	*		3.79	*	

Table 5.13 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	93245.48	60819.71	-34.77	988203.97	676777.00	-31.51			
Cereals	76175.50	48401.08	-36.46	886209.50	559150.07	-36.91			
Teff	10934.48	1496.01	-86.32	74334.92	8927.79	-87.99	6.80	5.97	-12.21
Barley	22195.80	14122.14	-36.37	231365.04	148213.92	-35.94	10.42	10.50	0.77
Wheat	12928.02	9472.61	-26.73	140683.86	112085.11	-20.33	10.88	11.83	8.73
Maize	26641.71	23191.59	-12.95	433125.59	289496.29	-33.16	16.26	12.48	-23.25
Sorghum	3455.98	*		6530.35	*		1.89	*	
Finger Millet	*	-		*	-		*	-	
Oats/'Aja'	*	-		*	-		*	-	
Rice	-	-		-	-		-	-	
Pulses	16928.86	12366.34	-26.95	101627.28	117470.21	15.59			
Horse Beans	2793.70	2505.39	-10.32	29473.52	31463.65	6.75	10.55	12.56	19.05
Field Peas	4746.96	*		47403.85	*		9.99	*	
Haricot beans	8496.43	4422.87	-47.94	22097.18	*		2.60	*	
Chick-Peas	661.80	*		2160.22	*		3.26	*	
Lentils	53.41	-		19.17	-		0.36	-	
Vetch	-	-		-	-		-	-	
Soya Beans	59.76	-		-	-		-	-	
Fenugreek	*	-		*	-		-	-	
Gibto	-	-		-	-		-	-	
Oilseeds	141.12	52.29	-62.95	367.19	156.72	-57.32			
Neug	0.47	-		-	-		-	-	
Linseed	17.55	*		61.25	*		3.49	*	g
Groundnut	*	-		*	-		*	-	
Sufflower	*	-		*	-		*	-	
Sesame	-	-		-	-		-	-	
Rapeseed	100.93	46.84	-53.59	305.94	147.50	-51.79	3.03	3.15	3.96

Table 6. Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Somali Region

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	58880.84	64367.18	9.32	723018.07	512096.48	-29.17			
Cereals	57040.60	63022.19	10.49	714362.05	506954.95	-29.03			
Teff	*	*		*	*		*	*	
Barley	6511.81	5014.64	-22.99	57721.28	30949.41	-46.38	8.86	6.17	-30.36
Wheat	8353.80	10047.15	20.27	109973.45	80132.96	-27.13	13.16	7.98	-39.36
Maize	20846.55	20189.47	-3.15	263447.26	163668.39	-37.87	12.64	8.11	-35.84
Sorghum	20824.36	26949.75	29.41	279054.26	225528.81	-19.18	13.40	8.37	-37.54
Finger Millet	*	-		*	-		*	-	
Oats/'Aja'	432.63	789.13	82.40	3954.60	*		9.14	*	
Rice	-	-		-	-		-	-	
Pulses	1346.86	809.85	-39.87	6283.60	3748.23	-40.35			
Horse Beans	*	*		*	*		*	*	
Field Peas	86.04	103.88	20.73	0.00	415.34		0.00	4.00	
Haricot beans	678.33	212.83	-68.62	2143.11	1169.88	-45.41	3.16	5.50	74.05
Chick-Peas	406.93	207.82	-48.93	0.00	754.00		0.00	3.63	
Lentils	83.71	82.35	-1.62	862.73	780.37	-9.55	10.31	9.48	-8.05
Vetch	*	-		*	-		*	-	
Soya Beans	*	-		*	-		*	-	
Fenugreek	56.86	198.87	249.75	189.84	621.68	227.48	3.34	3.13	-6.29
Gibto	-	-		-	-		-	-	
Oilseeds	493.38	535.15	8.47	2372.42	1393.31	-41.27			
Neug	*	-		*	-		*	-	
Linseed	445.06	533.15	19.79	1409.81	1333.79	-5.39	3.17	2.50	-21.14
Groundnut	-	-		-	-		-	-	
Sufflower	-	-		-	-		-	-	
Sesame	-	*		-	*		-	*	
Rapeseed	-	-		-	-		-	-	

Table 6.1 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Shinele Zone									
Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	813.04	929.99	12.58	10274.61	10257.75	-0.16			
Cereals	813.04	929.99	12.58	10274.61	10257.75	-0.16			
Teff	-	-		-	-		-	-	
Barley	-	-		-	-		-	-	
Wheat	-	-		-	-		-	-	
Maize	61.56	67.20	8.39	787.84	744.32	-5.85	12.80	11.08	-15.52
Sorghum	751.48	862.79	12.90	9486.78	9513.43	0.28	12.62	11.03	-14.42
Finger Millet	-	-		-	-		-	-	
Oats/'Aja'	-	-		-	-		-	-	
Rice	-	-		-	-		-	-	
Pulses	-	-		-	-				
Horse Beans	-	-		-	-		-	-	
Field Peas	-	-		-	-		-	-	
Haricot beans	-	-		-	-		-	-	
Chick-Peas	-	-		-	-		-	-	
Lentils	-	-		-	-		-	-	
Vetch	-	-		-	-		-	-	
Soya Beans	-	-		-	-		-	-	
Fenugreek	-	-		-	-		-	-	
Gibto	-	-		-	-		-	-	
Oilseeds	-	-		-	-				
Neug	-	-		-	-		-	-	
Linseed	-	-		-	-		-	-	
Groundnut	-	-		-	-		-	-	
Sufflower	-	-		-	-		-	-	
Sesame	-	-		-	-		-	-	
Rapeseed	-	-		-	-		-	-	

Table 6.2 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	54518.04	62370.37	14.40	692639.84	498100.26	-28.09			
Cereals	53149.93	61183.87	15.12	685298.58	494044.49	-27.91			
Teff	*	*		*	*		*	*	
Barley	6507.67	5014.64	-22.94	57721.28	30949.41	-46.38	8.87	6.17	-30.44
Wheat	8353.80	10047.15	20.27	109973.45	80132.96	-27.13	13.16	7.98	-39.36
Maize	18043.41	19224.28	6.54	247546.35	160428.47	-35.19	13.72	8.35	-39.14
Sorghum	19740.98	26076.62	32.09	265891.71	215858.28	-18.82	13.47	8.28	-38.53
Finger Millet	*	-		*	-		*	-	
Oats/'Aja'	432.63	789.13	82.40	3954.60	0.00	-100.00	9.14	0.00	-100.00
Rice	*	-		*	-		*	-	
Pulses	889.92	653.35	-26.58	5358.51	2721.99	-49.20			
Horse Beans	*	*		*	*		*	*	
Field Peas	*	103.88		*	415.34		*	4.00	
Haricot beans	233.53	*		1218.03	*		5.22	*	
Chick-Peas	402.13	207.82	-48.32	0.00	754.00		0.00	3.63	
Lentils	79.79	82.35	3.21	862.73	780.37	-9.55	10.81	9.48	-12.30
Vetch	*	-		*	-		*	-	
Soya Beans	*	-		*	-		*	-	
Fenugreek	56.86	198.87	249.75	189.84	621.68	227.48	3.34	3.13	-6.29
Gibto	-	-		-	0.00		-	0.00	
Oilseeds	478.19	533.15	11.49	1982.75	1333.79	-32.73			
Neug	*	-		*	-		*	-	
Linseed	445.06	533.15	19.79	1409.81	1333.79	-5.39	3.17	2.50	-21.14
Groundnut	*	-		*	-		*	-	
Sunflower	-	-		-	-		-	-	
Sesame	-	-		-	-		-	-	
Rapeseed	-	-		-	-		-	-	

Table 6.3 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	3548.10	1066.83	-69.93	20103.70	3738.46	-81.40			
Cereals	3077.63	908.34	-70.49	18788.86	2652.71	-85.88			
Teff	-	-		-	-		-	-	
Barley	*	-		*	-		*	-	
Wheat	-	-		-	-		-	-	
Maize	2741.58	898.00	-67.25	15113.08	2495.60	-83.49	5.51	2.78	-49.55
Sorghum	331.90	*		3675.78	*		11.07	*	
Finger Millet	-	-		-	-		-	-	
Oats/Aja'	-	-		-	-		-	-	
Rice	-	-		-	-		-	-	
Pulses	456.95	*	#VALUE!	925.08	*				
Horse Beans	*	-		*	-		*	-	
Field Peas	2.42	-		0.00	-		0.00	-	
Haricot beans	444.79	*		925.08	*		2.08	*	
Chick-Peas	*	-		*	-		*	-	
Lentils	*	-		*	-		*	-	
Vetch	-	-		-	-		-	-	
Soya Beans	-	-		-	-		-	-	
Fenugreek	-	-		-	-		-	-	
Gibto	-	-		-	-		-	-	
Oilseeds	*	*		*	*				
Neug	*	-		*	-		*	-	
Linseed	-	-		-	-		-	-	
Groundnut	*	-		*	-		*	-	
Sufflower	-	-		-	-		-	-	
Sesame	*	*		*	*		*	*	
Rapeseed	-	-		-	-		-	-	

Table 7. Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Benshangul-Gumuz Region		TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
Major Crops	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	
	Total Grains	135869.31	149249.00	9.85	157113.90	1464793.78	-6.77			
Cereals	103942.27	109191.16	5.05	1390289.62	1254861.04	-9.74				
Teff	10736.57	13555.85	26.26	75929.22	79113.18	4.19	7.07	5.84	-17.40	
Barley	1047.11	623.28	-40.48	10444.17	5565.67	-46.71	9.97	8.93	-10.43	
Wheat	891.15 *			9706.76 *			10.89 *			
Maize	20482.45	25023.86	22.17	412525.16	432255.59	4.78	20.14	17.27	-14.25	
Sorghum	52375.42	45766.72	-12.62	670390.38	527306.82	-21.34	12.80	11.52	-10.00	
Finger Millet	17279.16	22566.46	30.60	198786.33	196893.08	-0.95	11.50	8.73	-24.09	
Oats/'Aja'	27.60	*		213.81	*		7.75	*		
Rice	1102.82	*		12293.79	*		11.15	*		
Pulses	6682.94	9289.09	39.00	60436.73	70084.40	15.96				
Horse Beans	583.44	430.26	-26.25	5636.78	0.00	-100.00	9.66	0.00	-100.00	
Field Peas	719.30	694.15	-3.50	5047.73	3625.69	-28.17	7.02	5.22	-25.64	
Haricot beans	3778.85	6945.76	83.81	34425.43	53140.33	54.36	9.11	7.65	-16.03	
Chick-Peas	368.07	175.80	-52.24	2268.20	686.29	-69.74	6.16	3.90	-36.69	
Lentils	41.59	*		194.89	*		4.69	*		
Vetch	20.06	-		22.97	-		1.15	-		
Soya Beans	1131.94	930.60	-17.79	12424.30	6913.08	-44.36	10.98	7.43	-32.33	
Fenugreek	*	8.15		*	*		*	*		
Gibto	34.60	*		394.73	*		11.41	*		
Oilseeds	25244.10	30768.75	21.88	120387.55	139848.34	16.17				
Neug	13432.58	16076.27	19.68	37954.42	36244.77	-4.50	2.83	2.25	-20.49	
Linseed	200.29	*		455.08	223.29	-50.93	2.27	*		
Groundnut	2388.46	2181.82	-8.65	22787.00	21281.18	-6.61	9.54	9.75	2.20	
Sunflower	94.14	*		634.51	*		6.74	*		
Sesame	9028.15	11840.39	31.15	57718.86	80886.44	40.14	6.39	6.83	6.89	
Rapeseed	100.47	94.31	-6.13	837.69	581.02	-30.64	8.34	6.16	-26.14	

Table 7.1 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	63518.48	80801.19	27.21	750234.69	717958.57	-4.30			
Cereals	48365.88	59074.41	22.14	652573.31	621394.48	-4.78			
Teff	6649.39	10221.13	53.72	59080.82	67365.02	14.02	8.89	6.59	-25.87
Barley	977.40	621.14	-36.45	9991.62	5547.94	-44.47	10.22	8.93	-12.62
Wheat	739.58	*		8380.91	*		11.33	*	
Maize	5338.65	9760.94	82.84	130539.64	187833.02	43.89	24.45	19.24	-21.31
Sorghum	18158.19	16196.49	-10.80	251139.59	168665.06	-32.84	13.83	10.41	-24.73
Finger Millet	15379.63	20624.08	34.10	180970.93	178276.71	-1.49	11.77	8.64	-26.59
Oats/Aja'	20.23	*		176.01	*		8.70	*	
Rice	1102.82	*		12293.79	*		11.15	*	
Pulses	4333.65	6256.86	44.38	43689.53	44686.03	2.28			
Horse Beans	515.98	412.75	-20.01	5292.20	0.00	-100.00	10.26	0.00	-100.00
Field Peas	709.40	694.15	-2.15	5021.72	3625.69	-27.80	7.08	5.22	-26.27
Haricot beans	2101.84	*		20570.14	*		9.79	*	
Chick-Peas	201.59	*		1814.13	*		9.00	*	
Lentils	38.54	*		194.89	*		5.06	*	
Vetch	-	-		-	-		-	-	
Soya Beans	736.99	*		10410.14	*		14.13	*	
Fenugreek	*	*		*	*		*	*	
Gibto	25.00	*		364.95	*		14.60	*	
Oilseeds	10818.95	15469.93	42.99	53971.85	51878.06	-3.88			
Neug	5874.04	10676.14	81.75	16338.49	21930.56	34.23	2.78	2.05	-26.26
Linseed	93.22	*		261.43	155.23	-40.62	2.80	*	
Groundnut	1916.83	1871.85	-2.35	20151.91	19005.26	-5.69	10.51	10.15	-3.43
Sufflower	70.79	*		452.00	*		6.39	*	
Sesame	2791.77	2340.85	-16.15	16135.59	9731.08	-39.69	5.78	4.16	-28.03
Rapeseed	72.29	58.90	-18.52	632.42	438.85	-30.61	8.75	7.45	-14.86

Table 7.2 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	51996.04	46862.11	-9.87	487279.76	390439.63	-19.87			
Cereals	39455.76	34936.43	-11.45	436100.73	339961.89	-22.05			
Teff	3317.12	2734.94	-17.55	12095.06	8730.21	-27.82	3.65	3.19	-12.60
Barley	68.95	*		451.33	*		6.55	*	
Wheat	151.57	*		1325.85	*		8.75	*	
Maize	9854.52	10285.22	4.37	157814.93	128707.14	-18.44	16.01	12.51	-21.86
Sorghum	25010.71	20668.22	-17.36	255467.46	191869.18	-24.89	10.21	9.28	-9.11
Finger Millet	1048.50	1242.04	18.46	8937.33	10622.96	18.86	8.52	8.55	0.35
Oats/'Aja'	4.39	-		8.77	-		2.00	-	
Rice	-	-		-	-		-	-	
Pulses	1943.55	2350.81	20.95	12617.64	15385.93	21.94			
Horse Beans	65.54	*		338.05	98.35	-70.91	5.16	*	
Field Peas	9.44	-		25.37	-		2.69	-	
Haricot beans	1288.26	1656.48	28.58	9853.27	11742.22	19.17	7.65	7.09	-7.32
Chick-Peas	152.49	*		333.71	*		2.19	*	
Lentils	*	-		*	-		*	-	
Vetch	20.06	-		22.97	-		1.15	-	
Soya Beans	394.33	582.76	47.78	2014.16	3290.97	63.39	5.11	5.65	10.57
Fenugreek	*	*		*	*		*	*	
Gibto	*	-		*	-		*	-	
Oilseeds	10596.73	9574.87	-9.64	38561.39	35091.81	-9.00			
Neug	7048.46	5170.73	-26.64	19491.95	13580.26	-30.33	2.77	2.63	-5.05
Linsced	98.86	42.27	-57.24	160.98	68.06	-57.72	1.63	1.61	-1.23
Groundnut	438.64	287.35	-34.49	2436.97	2137.06	-12.31	5.56	7.44	33.81
Sufflower	23.21	*		*	*		*	*	
Sesame	2959.70	4033.70	36.29	16085.66	19186.21	19.28	5.43	4.76	-12.34
Rapeseed	27.85	29.32	5.28	203.32	105.67	-48.03	7.30	3.60	-50.68

Table 7.3 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	20354.78	21585.69	6.05	333599.47	356395.59	6.83			
Cereals	16120.63	15180.32	-5.83	301615.59	293504.67	-2.69			
Teff	770.05	599.78	-22.11	4753.34	3017.95	-36.51	6.17	5.03	-18.48
Barley	*	-	-	*	-	-	*	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	5289.28	4977.71	-5.89	124170.60	115715.43	-6.81	23.48	23.25	-0.98
Sorghum	9206.53	8902.02	-3.31	163783.34	166772.59	1.83	17.79	18.73	5.28
Finger Millet	851.04	700.34	-17.71	8878.07	7993.41	-9.96	10.43	11.41	9.40
Oats/'Aja'	2.98	*	-	29.03	*	-	9.74	*	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	405.73	681.42	67.95	4129.57	10012.44	142.46			
Horse Beans	*	-	-	*	-	-	*	-	-
Field Peas	*	-	-	*	-	-	*	-	-
Haricot beans	388.74	680.24	74.99	4002.03	10002.31	149.93	10.29	14.70	42.86
Chick-Peas	14.00	*	-	120.37	*	-	8.60	*	-
Lentils	-	-	-	-	-	-	-	-	-
Vetch	-	-	-	-	-	-	-	-	-
Soya Beans	*	-	-	*	-	-	*	-	-
Fenugreek	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	3828.42	5723.96	49.51	27854.31	52878.48	89.84			
Neug	510.08	229.40	-55.03	2123.98	733.95	-65.44	4.16	3.20	-23.08
Linseed	8.20	-	-	32.66	-	-	3.98	-	-
Groundnut	32.99	22.63	-31.40	198.11	138.86	-29.91	6.01	6.14	2.16
Sufflower	*	-	-	*	-	-	*	-	-
Sesame	3276.68	5465.84	66.81	25497.60	51969.16	103.82	7.78	9.51	22.24
Rapeseed	*	*	-	*	*	-	*	*	-

Table 8. Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

(S.N.N.P.R) Region

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	687585.38	623471.80	-9.32	8249115.32	6185968.21	-25.01			
Cereals	575655.43	502343.22	-12.74	7273190.58	5261676.55	-27.66			
Teff	133882.17	135380.16	1.12	989566.47	879595.15	-11.11	7.39	6.50	-12.04
Barley	68463.31	58245.70	-14.92	759733.03	596484.72	-21.49	11.10	10.24	-7.75
Wheat	92351.77	83872.44	-9.18	1353706.49	1090018.60	-19.48	14.66	13.00	-11.32
Maize	191490.02	153067.00	-20.07	3270377.22	1965949.46	-39.89	17.08	12.84	-24.82
Sorghum	84276.06	68310.96	-18.94	842009.46	692444.49	-17.76	9.99	10.14	1.50
Finger Millet	4527.18	3161.39	-30.17	51518.49	34843.57	-32.37	11.38	11.02	-3.16
Oats/'Aja'	626.57	305.57	-51.23	6279.42	2340.57	-62.73	10.02	7.66	-23.55
Rice	*	-		*	-		*	-	
Pulses	108559.86	119047.18	9.66	964611.17	917968.01	-4.84			
Horse Beans	47008.42	40700.00	-13.42	488930.08	398539.65	-18.49	10.40	9.79	-5.87
Field Peas	28104.28	28442.10	1.20	221266.15	214382.22	-3.11	7.87	7.54	-4.19
Haricot beans	26799.10	46083.10	71.96	209074.91	282348.16	35.05	7.80	6.13	-21.41
Chick-Peas	5176.74	2597.08	-49.83	38596.70	15006.33	-61.12	7.46	5.78	-22.52
Lentils	739.25	432.85	-41.45	2605.13	1451.65	-44.28	3.52	3.35	-4.83
Vetch	452.93	523.96	15.68	3563.34	0.00	-100.00	7.87	0.00	-100.00
Soya Beans	80.94	*		162.26	*		2.00	*	
Fenugreek	198.19	262.99	32.70	412.61	767.46	86.00	2.08	2.92	40.38
Gibto	-	-		-	-		-	-	
Oilseeds	3370.09	2081.40	-38.24	11313.57	6323.66	-44.11			
Neug	925.17	180.79	-80.46	2062.84	383.44	-81.41	2.23	2.12	-4.93
Linseed	968.82	1180.62	21.86	3087.65	2853.92	-7.57	3.19	2.42	-24.14
Groundnut	521.39	229.20	-56.04	2647.98	0.00	-100.00	5.08	0.00	-100.00
Sufflower	174.57	158.28	-9.33	1326.09	1539.48	16.09	7.60	9.73	28.03
Sesame	172.59	*		535.07	*		3.10	*	
Rapeseed	607.54	178.83	-70.56	1653.93	376.24	-77.25	2.72	2.10	-22.79

Table 8.1 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	120943.00	57017.40	-52.86	1566576.38	685313.61	-56.25			
Cereals	105281.79	49038.72	-53.42	1403989.58	583085.96	-58.47			
Teff	25673.67	16944.09	-34.00	186296.49	0.00	-100.00	7.26	0.00	-100.00
Barley	18107.35	7263.88	-59.88	238813.56	108413.08	-54.60	13.19	14.92	13.12
Wheat	14949.48	8021.74	-46.34	208070.84	94623.45	-54.52	13.92	11.80	-15.23
Maize	36409.06	13840.69	-61.99	666561.44	202574.22	-69.61	18.31	14.64	-20.04
Sorghum	9817.02	2929.74	-70.16	100298.58	41292.55	-58.83	10.22	14.09	37.87
Finger Millet	201.19	-		2617.97	-		13.01	-	
Oats/'Aja'	124.01	38.58	-68.89	1330.69	377.80	-71.61	10.73	9.79	-8.76
Rice	-	-		-	-		-	-	
Pulses	14567.29	7752.44	-46.78	159720.55	101699.54	-36.33			
Horse Beans	6087.83	3477.11	-42.88	86241.27	55950.19	-35.12	14.17	16.09	13.55
Field Peas	3336.47	2162.75	-35.18	32293.90	29167.26	-9.68	9.68	13.49	39.36
Haricot beans	1922.20	1089.33	-43.33	17535.99	8321.95	-52.54	9.12	7.64	-16.23
Chick-Peas	2554.22	*		19644.66	*		7.69	*	
Lentils	181.00	*		444.94	*		2.46	*	
Vetch	423.95	246.19	-41.93	3452.34	*		8.14	*	
Soya Beans	*	-		*	-		*	-	
Fenugreek	59.85	*		107.45	*		1.80	*	
Gibto	-	-		-	-		-	-	
Oilseeds	1093.92	226.24	-79.32	2866.25	528.11	-81.57			
Neug	811.77	163.18	-79.90	1808.06	342.47	-81.06	2.23	2.10	-5.83
Linseed	165.39	*		455.03	*		2.75	*	
Groundnut	*	-		*	-		*	-	
Sufflower	6.56	*		34.86	*		5.31	*	
Sesame	*	-		*	-		*	-	
Rapeseed	105.86	*		556.29	*		5.25	*	

Table 8.2 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
	Total Grains	101203.91	76280.91	-24.63	1358669.48	924280.35	-31.97		
Cereals	89519.87	64861.85	-27.54	1240256.87	810176.95	-34.68			
Teff	21199.16	20635.76	-2.66	197793.08	181191.29	-8.39	9.33	8.78	-5.89
Barley	5688.66	2857.51	-49.77	57576.16	24887.33	-56.77	10.12	8.71	-13.93
Wheat	33999.23	22695.33	-33.25	585177.68	393672.86	-32.73	17.21	17.35	0.81
Maize	21374.30	13883.84	-35.04	331361.75	173195.18	-47.73	15.50	12.47	-19.55
Sorghum	6866.44	4639.00	-32.44	65398.99	36632.68	-43.99	9.52	7.90	-17.02
Finger Millet	342.04	106.12	-68.97	2588.55	283.19	-89.06	7.57	2.67	-64.73
Oats/Aja'	50.03	*		360.66	*		7.21	*	
Rice	-	-		-	-		-	-	
Pulses	11193.67	10998.76	-1.74	116947.18	113104.98	-3.29			
Horse Beans	7069.41	5205.06	-26.37	81362.76	55377.64	-31.94	11.51	10.64	-7.56
Field Peas	2328.21	3005.57	29.09	18972.96	26260.06	38.41	8.15	8.74	7.24
Haricot beans	1120.09	2758.70	146.29	8607.57	*		7.68	*	
Chick-Peas	534.43	*		7424.31	*		13.89	*	
Lentils	116.03	23.67	-79.60	460.18	69.73	-84.85	3.97	2.95	-25.69
Vetch	*	-		*	-		*	-	
Soya Beans	*	-		*	-		*	-	
Fenugreek	*	*		*	*		*	*	
Gibto	-	-		-	-		-	-	
Oilseeds	490.37	*		1465.43	*				
Neug	*	-		*	-		*	-	
Linseed	293.58	*		1055.69	*		3.60	*	
Groundnut	*	-		*	-		*	-	
Sufflower	*	-		*	-		*	-	
Sesame	*	-		*	-		*	-	
Rapeseed	185.67	*		404.52	*		2.18	*	

Table 8.3 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Kembata Tembaro Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	61435.70	25559.34	-58.40	818021.78	204887.61	-74.95			
Cereals	56123.33	21289.40	-62.07	775163.65	181731.27	-76.56			
Teff	10931.95	6191.06	-43.37	74900.15	31340.85	-58.16	6.85	5.06	-26.13
Barley	1252.37	1047.72	-16.34	12114.19	8915.81	-26.40	9.67	8.51	-12.00
Wheat	13310.17	9431.00	-29.14	208257.10	114089.57	-45.22	15.65	12.10	-22.68
Maize	22534.28	2255.03	-89.99	400958.32	0.00	-100.00	17.79	0.00	-100.00
Sorghum	5686.73	2261.82	-60.23	54060.74	11132.61	-79.41	9.51	4.92	-48.26
Finger Millet	2346.27	47.31	-97.98	24686.25	392.40	-98.41	10.52	8.29	-21.20
Oats/'Aja'	23.22	*		186.91	*		8.05	*	
Rice	*	-		*	-		*	-	
Pulses	5173.72	4112.42	-20.51	42442.12	22867.16	-46.12			
Horse Beans	2813.81	2331.61	-17.14	29659.21	16597.97	-44.04	10.54	7.12	-32.45
Field Peas	613.51	640.81	4.45	4179.01	3665.71	-12.28	6.81	5.72	-16.01
Haricot beans	1566.58	1126.41	-28.10	8343.67	2585.56	-69.01	5.33	2.30	-56.85
Chick-Peas	33.34	*		80.54	*		2.42	*	
Lentils	72.44	*		71.33	*		0.98	*	
Vetch	*	-		*	-		*	-	
Soya Beans	*	-		*	-		*	-	
Fenugreek	71.40	*		108.36	*		1.52	*	
Gibto	-	-		-	-		-	-	
Oilseeds	138.65	*		416.01	*				
Neug	*	-		*	-		*	-	
Linseed	64.24	*		142.24	*		2.21	*	
Groundnut	*	-		*	-		*	-	
Sufflower	*	-		*	-		*	-	
Sesame	*	-		*	-		*	-	
Rapeseed	63.75	*		258.54	*		4.06	*	

Table 8.4 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	50451.67	65697.05	30.22	724693.00	572658.92	-20.98			
Cereals	40878.72	47119.13	15.27	634617.84	458177.03	-27.80			
Teff	2153.86	*		16327.62	*		7.58	*	
Barley	7776.46	10505.50	35.09	87340.08	83993.52	-3.83	11.23	8.00	-28.76
Wheat	4841.05	6379.59	31.78	70180.02	51586.35	-26.49	14.50	8.09	-44.21
Maize	24674.44	27255.63	10.46	441984.50	307431.63	-30.44	17.91	11.28	-37.02
Sorghum	1312.96	561.13	-57.26	16255.69	3902.58	-75.99	12.38	6.95	-43.86
Finger Millet	36.85	-		0.00	-		0.00	-	
Oats/'Aja'	83.10	*		1265.56	*		15.23	*	
Rice	-	-		-	-		-	-	
Pulses	9464.00	18545.49	95.96	89896.57	114444.59	27.31			
Horse Beans	2043.99	2859.72	39.91	25937.67	22503.13	-13.24	12.69	7.87	-37.98
Field Peas	1345.71	1859.97	38.21	13340.56	8406.17	-36.99	9.91	4.52	-54.39
Haricot beans	6057.11	13811.60	128.02	50446.83	83369.68	65.26	8.33	6.04	-27.49
Chick-Peas	*	-		*	-		*	-	
Lentils	-	-		-	-		-	-	
Vetch	*	-		*	-		*	-	
Soya Beans	*	-		*	-		*	-	
Fenugreek	*	*		*	*		*	*	
Gibto	-	-		-	-		-	-	
Oilseeds	*	32.43		*	37.30				
Neug	-	-		-	-		-	-	
Linseed	14.39	32.43	125.36	74.32	37.30	-49.81	5.16	1.15	-77.71
Groundnut	*	-		*	-		*	-	
Sufflower	*	-		*	-		*	-	
Sesame	-	-		-	-		-	-	
Rapeseed	*	-		*	-		*	-	

Table 8.5 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	12028.49	8701.29	-27.66	171647.34	106664.00	-37.86			
Cereals	9780.97	6954.73	-28.90	149823.10	91624.17	-38.85			
Teff	152.26	*		1158.86	*		7.61	*	
Barley	3630.28	2684.55	-26.05	35656.68	29498.65	-17.27	9.82	10.99	11.91
Wheat	1152.35	*		12637.29	*		10.97	*	
Maize	4782.98	3531.71	-26.16	99650.38	53499.58	-46.31	20.83	15.15	-27.27
Sorghum	47.94	*		719.89	*		15.02	*	
Finger Millet	*	-		*	-		*	-	
Oats/Aja'	*	-		*	-		*	-	
Rice	-	-		-	-		-	-	
Pulses	2198.67	1724.45	-21.57	21733.64	15011.63	-30.93			
Horse Beans	1161.38	863.50	-25.65	12664.62	8856.96	-30.07	10.90	10.26	-5.87
Field Peas	932.32	674.95	-27.61	8631.91	5365.19	-37.84	9.26	7.95	-14.15
Haricot beans	102.70	*		431.94	*		4.21	*	
Chick-Peas	*	-		*	-		*	-	
Lentils	*	-		*	-		*	-	
Vetch	-	-		-	-		-	-	
Soya Beans	*	-		*	-		*	-	
Fenugreek	-	-		-	-		-	-	
Gibto	-	-		-	-		-	-	
Oilseeds	48.85	*		90.60	*				
Neug	*	-		*	-		*	-	
Linseed	3.45	*		20.10	*		5.83	*	
Groundnut	*	-		*	-		*	-	
Sufflower	*	-		*	-		*	-	
Sesame	-	-		-	-		-	-	
Rapeseed	42.37	*		70.50	*		1.66	*	

Table 8.6 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Wolayita Zone		TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
Major Crops	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	
Total Grains	44265.94	44442.83	0.40	512183.54	302417.69	-40.96				
Cereals	35799.81	27997.40	-21.79	444868.43	213237.57	-52.07				
Teff	10775.09	14849.98	37.82	69860.21	97311.32	39.29	6.48	6.55	1.08	
Barley	1420.43	1039.67	-26.81	11554.03	0.00	-100.00	8.13	0.00	-100.00	
Wheat	1985.77	2585.09	30.18	24378.05	39026.72	60.09	12.28	15.10	22.96	
Maize	18478.43	7125.57	-61.44	311704.35	47548.44	-84.75	16.87	6.67	-60.46	
Sorghum	2981.46	2397.09	-19.60	26482.40	19121.27	-27.80	8.88	7.98	-10.14	
Finger Millet	144.42	-	#VALUE!	835.58	-	#VALUE!	5.79	-		
Oats/'Aja'	*	-		*	-		*	-		
Rice	-	-		-	-		-	-		
Pulses	8412.90	16442.50	95.44	67039.69	89168.26	33.01				
Horse Beans	825.61	1087.26	31.69	7752.17	14072.44	81.53	9.39	12.94	37.81	
Field Peas	1403.11	1951.64	39.09	10265.79	14554.02	41.77	7.32	7.46	1.91	
Haricot beans	5435.78	12256.09	125.47	44585.17	56102.58	25.83	8.20	4.58	-44.15	
Chick-Peas	732.72	*		4358.34	*		5.95	*		
Lentils	9.06	*		25.61	*		2.83	*		
Vetch	-	-		-	-		-	-		
Soya Beans	6.50	-		52.62	-		8.10	-		
Fenugreek	*	-		*	-		*	-		
Gibto	-	-		-	-		-	-		
Oilseeds	53.23	*		275.42	*					
Neug	-	-		-	-		-	-		
Linseed	35.97	*		*	*		*	*		
Groundnut	*	-		*	-		*	-		
Sufflower	*	*		*	*		*	*		
Sesame	-	-		-	-		-	-		
Rapeseed	2.93	-		3.04	-		1.04	-		

Table 8.7 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

South Omo Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	20811.61	18366.44	-11.75	224736.72	187676.35	-16.49			
Cereals	17895.50	15458.82	-13.62	195959.38	161393.98	-17.64			
Teff	1986.59	4330.47	117.99	16294.72	27483.96	68.67	8.20	6.35	-22.56
Barley	2013.98	1229.90	-38.93	20883.44	12925.80	-38.11	10.37	10.51	1.35
Wheat	548.27	*		9393.51	*		17.13	*	
Maize	5297.82	5167.17	-2.47	77690.86	73922.75	-4.85	14.66	14.31	-2.39
Sorghum	7990.61	3738.83	-53.21	71365.40	35658.73	-50.03	8.93	9.54	6.83
Finger Millet	57.91	*		331.46	*		5.72	*	
Oats/'Aja'	*	-		*	-		*	-	
Rice	-	-		-	-		-	-	
Pulses	2715.31	2736.27	0.77	27376.51	24748.13	-9.60			
Horse Beans	1089.93	1099.38	0.87	12842.83	12405.94	-3.40	11.78	11.28	-4.24
Field Peas	711.04	463.87	-34.76	5453.61	3318.18	-39.16	7.67	7.15	-6.78
Haricot beans	902.26	1173.02	30.01	9056.89	9024.00	-0.36	10.04	7.69	-23.41
Chick-Peas	*	-		*	-		*	-	
Lentils	*	-		*	-		*	-	
Vetch	*	-		*	-		*	-	
Soya Beans	*	-		*	-		*	-	
Fenugreek	*	-		*	-		*	-	
Gibto	-	-		-	-		-	-	
Oilseeds	200.80	171.35	-14.67	1400.83	1534.25	9.52			
Neug	*	-		*	-		*	-	
Linseed	32.16	*		76.59	*		2.38	*	
Groundnut	0.00	*		52.13	*		0.00	*	
Sufflower	130.09	124.23	-4.50	1199.64	1360.13	13.38	9.22	10.95	18.76
Sesame	22.16	*		65.93	*		2.98	*	
Rapeseed	-	-		-	-		-	-	

Table 8.8 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	9252.28	7841.50	-15.25	123891.70	109559.53	-11.57			
Cereals	7128.00	6204.72	-12.95	111762.78	99176.47	-11.26			
Teff	587.97	408.18	-30.58	3797.52	1928.04	-49.23	6.46	4.72	-26.93
Barley	279.31	33.16	-88.13	1785.15	195.92	-89.03	6.39	5.91	-7.51
Wheat	210.64 *			0.00	0.00		0.00	0.00	
Maize	1154.13	1439.83	24.75	18552.22	17757.43	-4.28	16.07	12.33	-23.27
Sorghum	4664.73	4031.92	-13.57	82693.55	76080.71	-8.00	17.73	18.87	6.43
Finger Millet	*	*		*	*		*	*	
Oats/'Aja'	*	-		*	-		*	-	
Rice	-	-		-	-		-	-	
Pulses	2098.58	1626.95	-22.47	11995.95	10338.98	-13.81			
Horse Beans	758.82	473.35	-37.62	4443.69	3503.08	-21.17	5.86	7.40	26.28
Field Peas	1260.59	1033.71	-18.00	6489.43	5312.12	-18.14	5.15	5.14	-0.19
Haricot beans	77.15	119.89	55.40	*	*		*	*	
Chick-Peas	-	-		-	-		-	-	
Lentils	-	-		-	-		-	-	
Vetch	*	-		*	-		*	-	
Soya Beans	*	-		*	-		*	-	
Fenugreek	*	-		*	-		*	-	
Gibto	-	-		-	-		-	-	
Oilseeds	*	*		*	*				
Neug	-	-		-	-		-	-	
Linseed	*	-		*	-		*	-	
Groundnut	-	-		-	-		-	-	
Sufflower	*	-		*	-		*	-	
Sesame	*	*		*	*		*	*	
Rapeseed	9.65	*		0.00	*		0.00	*	

Table 8.9 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Kaffa Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	81579.91	81249.96	-0.40	947362.58	975025.78	2.92			
Cereals	57945.92	59713.51	3.05	755959.25	809100.59	7.03			
Teff	15189.45	19066.50	25.52	119437.23	135246.61	13.24	7.86	7.09	-9.80
Barley	7839.55	5098.24	-34.97	73132.30	50471.43	-30.99	9.33	9.90	6.11
Wheat	8186.64	4950.76	-39.53	92799.58	59856.26	-35.50	11.34	12.09	6.61
Maize	17850.09	17442.09	-2.29	356130.94	335751.49	-5.72	19.95	19.25	-3.51
Sorghum	7896.41	11459.18	45.12	101172.79	206045.05	103.66	12.81	17.98	40.36
Finger Millet	810.71	*		11342.43	*		13.99	*	
Oats/'Aja'	173.07	13.58	-92.15	1943.98	146.69	-92.45	11.23	10.80	-3.83
Rice	-	-		-	-		-	-	
Pulses	23534.23	21443.54	-8.88	191136.44	165696.61	-13.31			
Horse Beans	13644.39	11648.81	-14.63	117994.22	100651.65	-14.70	8.65	8.64	-0.12
Field Peas	8299.05	6893.80	-16.93	61346.22	44868.59	-26.86	7.39	6.51	-11.91
Haricot beans	1568.61	2895.88	84.61	11768.40	20148.38	71.21	7.50	6.96	-7.20
Chick-Peas	*	-		*	-		*	-	
Lentils	*	-		*	-		*	-	
Vetch	*	-		*	-		*	-	
Soya Beans	*	-		*	-		*	-	
Fenugreek	2.33	*		0.00	*		0.00	*	
Gibto	0.00	-		0.00	-		0.00	-	
Oilseeds	99.76	92.91	-6.87	266.89	228.58	-14.35			
Neug	*	-		*	-		*	-	
Linseed	50.18	51.26	2.15	163.01	176.65	8.37	3.25	3.45	6.15
Groundnut	*	-		*	-		*	-	
Sufflower	*	-		*	-		*	-	
Sesame	*	-		*	-		*	-	
Rapeseed	13.81	*		33.54	*		2.43	*	

Table 8.10 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Gamo Gofa Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	78663.81	66985.47	-14.85	857997.68	637504.60	-25.70			
Cereals	67845.30	57253.32	-15.61	761813.71	566336.85	-25.66			
Teff	20497.48	14421.58	-29.64	137756.09	59277.13	-56.97	6.72	4.11	-38.84
Barley	14699.35	15345.89	-4.40	167836.78	164470.73	-2.01	11.42	10.72	-6.13
Wheat	7334.63	9916.61	35.20	87176.87	126306.66	44.89	11.89	12.74	7.15
Maize	16149.14	12580.86	-22.10	272456.90	178104.27	-34.63	16.87	14.16	-16.06
Sorghum	8917.71	4980.98	-44.15	93777.70	38100.31	-59.37	10.52	7.65	-27.28
Finger Millet	225.70	*		2658.43	*		11.78	*	
Oats/'Aja'	*	*		*	*		*	*	
Rice	-	-		-	-		-	-	
Pulses	10263.49	9508.43	-7.36	93538.23	70494.70	-24.64			
Horse Beans	3941.23	2667.10	-32.33	41575.07	22781.77	-45.20	10.55	8.54	-19.05
Field Peas	2834.43	2421.61	-14.56	26276.62	17518.68	-33.33	9.27	7.23	-22.01
Haricot beans	2780.62	4276.64	53.80	20934.57	26884.41	28.42	7.53	6.29	-16.47
Chick-Peas	579.40	87.62	-84.88	4100.11	3001.93	-26.78	7.08	34.26	383.90
Lentils	70.04	*		481.40	*		6.87	*	
Vetch	*	-		*	-		*	-	
Soya Beans	27.50	*		103.62	*		3.77	*	
Fenugreek	20.73	*		66.85	*		3.22	*	
Gibto	-	-		-	-		-	-	
Oilseeds	555.02	223.73	-59.69	2645.74	*				
Neug	*	-		*	-		*	-	
Linseed	56.88	*		256.74	*		4.51	*	
Groundnut	411.78	*		2133.21	*		5.18	*	
Sufflower	6.01	*		21.63	*		3.60	*	
Sesame	43.19	*		127.08	*		2.94	*	
Rapeseed	*	-		*	-		*	-	

Table 8.11 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Bench-Maji Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	18365.08	20888.54	13.74	250359.10	222092.27	-11.29			
Cereals	16237.87	17191.54	5.87	231467.10	191238.06	-17.38			
Teff	1940.93	2146.32	10.58	12008.26	9924.09	-17.36	6.19	4.62	-25.36
Barley	664.23	962.92	44.97	5876.36	6543.67	11.36	8.85	6.80	-23.16
Wheat	237.86	190.85	-19.76	1919.84	0.00	-100.00	8.07	0.00	-100.00
Maize	9452.70	8609.23	-8.92	153163.93	129389.65	-15.52	16.20	15.03	-7.22
Sorghum	3810.71	5152.06	35.20	56365.19	41978.36	-25.52	14.79	8.15	-44.90
Finger Millet	126.63	*		2075.59	*		16.39	*	
Oats/'Aja'	4.81	-		57.94	-		12.05	-	
Rice	-	-		-	-		-	-	
Pulses	1963.32	3553.42	80.99	18492.91	30454.21	64.68			
Horse Beans	894.50	1201.08	34.27	8080.93	12545.90	55.25	9.03	10.45	15.73
Field Peas	643.91	1645.95	155.62	5324.68	11274.03	111.73	8.27	6.85	-17.17
Haricot beans	413.73	690.01	66.78	5064.21	6606.27	30.45	12.24	9.57	-21.81
Chick-Peas	-	-		-	-		-	-	
Lentils	6.53	*		22.11	*		3.39	*	
Vetch	*	-		*	-		*	-	
Soya Beans	0.40	-		0.00	-		0.00	-	
Fenugreek	*	*		*	*		*	*	
Gibto	-	-		-	-		-	-	
Oilseeds	163.89	*		399.09	*				
Neug	*	-		*	-		*	-	
Linseed	12.14	-		53.32	-		4.39	-	
Groundnut	*	-		*	-		*	-	
Sufflower	*	-		*	-		*	-	
Sesame	*	*		*	*		*	*	
Rapeseed	68.84	*		104.61	*		1.52	*	

Table 8.12 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Mcher Season

Yem Special Wereda Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	13096.54	12053.75	-7.96	121360.35	108341.57	-10.73			
Cereals	10515.73	9793.45	-6.87	101601.10	90486.45	-10.94			
Teff	3718.93	4250.21	14.29	31300.29	33296.71	6.38	8.42	7.83	-7.01
Barley	1374.79	1031.96	-24.94	11799.48	8808.25	-25.35	8.58	8.54	-0.47
Wheat	3097.77	2535.55	-18.15	29842.77	26577.87	-10.94	9.63	10.48	8.83
Maize	1704.55	1497.74	-12.13	22390.46	17795.47	-20.52	13.14	11.88	-9.59
Sorghum	610.24	468.46	-23.23	6196.36	3911.27	-36.88	10.15	8.35	-17.73
Finger Millet	-	-	-	-	-	-	-	-	-
Oats/Aja'	9.46	9.54	0.85	71.74	96.89	35.06	7.58	10.16	34.04
Rice	-	-	-	-	-	-	-	-	-
Pulses	2379.09	2081.15	-12.52	19346.43	17423.91	-9.94			
Horse Beans	1389.48	1140.53	-17.92	12932.64	11300.76	-12.62	9.31	9.91	6.44
Field Peas	882.29	870.46	-1.34	6004.82	5831.39	-2.89	6.81	6.70	-1.62
Haricot beans	3.60	-	-	-	-	-	-	-	-
Chick-Peas	*	*	-	*	*	-	*	*	-
Lentils	89.58	63.87	-28.70	357.38	266.43	-25.45	3.99	4.17	4.51
Vetch	*	-	-	*	-	-	*	-	-
Soya Beans	-	-	-	-	-	-	-	-	-
Fenugreek	2.79	4.12	47.67	9.18	14.00	52.51	3.29	3.40	3.34
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	201.72	179.15	-11.19	412.82	431.21	4.45			
Neug	46.51	*	-	93.55	*	-	2.01	*	-
Linseed	148.12	156.93	5.95	305.56	381.50	24.85	2.06	2.43	17.96
Groundnut	-	-	-	-	-	-	-	-	-
Sufflower	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	7.09	6.97	-1.69	13.71	16.60	21.08	1.93	2.38	23.32

Table 8.13 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Amaro Special Wereda Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	4704.77	4137.89	-12.05	44413.80	29522.65	-33.53			
Cereals	3928.27	3159.98	-19.56	38733.37	24330.43	-37.18			
Teff	1995.78	285.04	-85.72	18532.49	1653.01	-91.08	9.29	5.80	-37.57
Barley	1009.53	1253.15	24.13	9552.27	8217.49	-13.97	9.46	6.56	-30.66
Wheat	440.67	1174.90	166.62	5745.66	11482.47	99.85	13.04	9.77	-25.08
Maize	294.67	*		*	*		*	*	
Sorghum	184.58	*		942.60	*		5.11	*	
Finger Millet	-	-		-	-		-	-	
Oats/'Aja'	*	-		*	-		*	-	
Rice	-	-		-	-		-	-	
Pulses	775.28	976.90	26.01	5676.42	5187.39	-8.62			
Horse Beans	213.82	283.56	32.62	2077.06	2236.07	7.66	9.71	7.89	-18.74
Field Peas	389.21	533.45	37.06	2846.80	2330.48	-18.14	7.31	4.37	-40.22
Haricot beans	117.31	103.23	-12.00	452.48	390.57	-13.68	3.86	3.78	-2.07
Chick-Peas	*	-		*	-		*	-	
Lentils	13.29	56.67	326.41	82.43	230.27	179.35	6.20	4.06	-34.52
Vetch	*	-		*	-		*	-	
Soya Beans	-	-		-	-		-	-	
Fenugreek	*	-		*	-		*	-	
Gibto	-	-		-	-		-	-	
Oilseeds	1.22	*		*	*				
Neug	-	-		-	-		-	-	
Linseed	*	*		*	*		*	*	
Groundnut	*	-		*	-		*	-	
Sufflower	*	-		*	-		*	-	
Sesame	-	-		-	-		-	-	
Rapeseed	*	-		*	-		*	-	

Table 8.14 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Burji Special Wereda Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	4465.64	3675.53	-17.69	32419.00	22045.36	-32.00			
Cereals	2949.84	2647.19	-10.26	23623.93	15953.10	-32.47			
Teff	1034.71	889.04	-14.08	6205.08	3260.99	-47.45	6.00	3.67	-38.83
Barley	189.91	206.34	8.65	1014.63	1051.40	3.62	5.34	5.10	-4.49
Wheat	365.90	391.21	6.92	1637.61	1624.68	-0.79	4.48	4.15	-7.37
Maize	603.25	482.53	-20.01	10186.17	6669.86	-34.52	16.89	13.82	-18.18
Sorghum	755.23	678.07	-10.22	4580.46	3346.18	-26.95	6.06	4.93	-18.65
Finger Millet	-	-		-	-		-	-	
Oats/'Aja'	*	-		*	-		*	-	
Rice	-	-		-	-		-	-	
Pulses	1512.59	1028.34	-32.01	8782.81	6092.25	-30.63			
Horse Beans	*	14.60		*	91.03		*	6.23	
Field Peas	65.97	58.36	-11.54	422.73	262.82	-37.83	6.41	4.50	-29.80
Haricot beans	1129.53	779.66	-30.97	6584.28	4882.69	-25.84	5.83	6.26	7.38
Chick-Peas	253.26	144.64	-42.89	1364.51	713.10	-47.74	5.39	4.93	-8.53
Lentils	32.28	19.38	-39.96	*	*		*	*	
Vetch	*	-		-	-		-	-	
Soya Beans	*	-		-	-		-	-	
Fenugreek	8.35	11.71	40.24	16.26	22.14	36.16	1.95	1.89	-3.08
Gibto	-	-		-	-		-	-	
Oilseeds	*	-		*	-				
Neug	-	-		-	-		-	-	
Linseed	*	-		*	-		*	-	
Groundnut	-	-		-	-		-	-	
Sufflower	*	-		*	-		*	-	
Sesame	-	-		-	-		-	-	
Rapeseed	*	-		*	-		*	-	

Table 8.15 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Konso Special Wereda Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	16470.80	7959.11	-51.68	79405.19	28249.89	-64.42			
Cereals	14353.00	6313.54	-56.01	67882.65	18915.18	-72.14			
Teff	2072.06	1086.70	-47.55	10832.57	3681.09	-66.02	5.23	3.39	-35.18
Barley	93.78 *			0.00	0.00		0.00	0.00	
Wheat	* *			*	0.00		*	0.00	
Maize	3584.72	1218.23	-66.02	26966.89	6273.80	-76.74	7.52	5.15	-31.52
Sorghum	8547.25	3934.25	-53.97	29447.03	8723.74	-70.37	3.45	2.22	-35.65
Finger Millet	* -			*	0.00		*	0.00	
Oats/'Aja'	- -			-	0.00		-	0.00	
Rice	- -			-	0.00		-	0.00	
Pulses	2117.80	1645.58	-22.30	11522.54	9334.71	-18.99			
Horse Beans	- -			-	0.00		-	0.00	
Field Peas	386.29	705.76	82.70	1357.00	2458.07	81.14	3.51	3.48	-0.85
Haricot beans	1593.86	921.87	-42.16	9952.51	*		6.24	*	
Chick-Peas	* -			*	-		*	-	
Lentils	* *			*	*		*	*	
Vetch	- -			-	-		-	-	
Soya Beans	* -			*	-		*	-	
Fenugreek	* -			*	-		*	-	
Gibto	- -			-	-		-	-	
Oilseeds	*	-		*	-				
Neug	- -			-	-		-	-	
Linseed	* -			*	-		*	-	
Groundnut	- -			-	-		-	-	
Sufflower	* -			*	-		*	-	
Sesame	- -			-	-		-	-	
Rapeseed	- -			-	-		-	-	

Table 8.16 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Derashe Special Wereda Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	14506.55	11986.82	-17.37	118456.70	77491.98	-34.58			
Cereals	13462.91	10878.07	-19.20	112712.01	71177.63	-36.85			
Teff	1676.24	1695.64	1.16	13256.04	9965.94	-24.82	7.91	5.88	-25.66
Barley	315.75	337.80	6.98	2023.60	1845.81	-8.79	6.41	5.46	-14.82
Wheat	186.29	239.73	28.69	2058.09	1982.69	-3.66	11.05	8.27	-25.16
Maize	3065.53	1962.37	-35.99	21910.07	12952.26	-40.88	7.15	6.60	-7.69
Sorghum	8219.11	6642.54	-19.18	73464.22	44430.93	-39.52	8.94	6.69	-25.17
Finger Millet	-	-		-	0.00		-	0.00	
Oats/'Aja'	-	-		-	0.00		-	0.00	
Rice	-	-		-	0.00		-	0.00	
Pulses	1041.33	1108.74	6.47	5740.34	6314.35	10.00			
Horse Beans	41.57 *			209.70	0.00	-100.00	5.04	0.00	-100.00
Field Peas	64.67 *			180.32	92.17	-48.89	2.79	1.65	-40.86
Haricot beans	687.15	914.68	33.11	4546.87	5763.88	26.77	6.62	6.30	-4.83
Chick-Peas	219.61	*		735.83	*		3.35	*	
Lentils	*	*		*	*		*	*	
Vetch	-	-		-	-		-	-	
Soya Beans	*	-		*	-		*	-	
Fenugreek	*	-		*	-		*	-	
Gibto	-	-		-	-		-	-	
Oilseeds	2.31	-		*	-				
Neug	-	-		-	-		-	-	
Linseed	*	-		*	-		*	-	
Groundnut	-	-		-	-		-	-	
Sufflower	*	-		*	-		*	-	
Sesame	-	-		-	-		-	-	
Rapeseed	-	-		-	-		-	-	

Table 8.17 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Dawro Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	26090.96	23526.46	-9.83	195298.51	168462.43	-13.74			
Cereals	18703.39	16578.11	-11.36	141086.09	105544.45	-25.19			
Teff	8997.09	8432.38	-6.28	46998.10	32621.66	-30.59	5.22	3.87	-25.86
Barley	891.28	959.46	7.65	6624.41	7261.60	9.62	7.43	7.57	1.88
Wheat	1194.91	1623.38	35.86	9316.34	12868.52	38.13	7.80	7.93	1.67
Maize	3052.36	2879.01	-5.68	36903.52	28479.22	-22.83	12.09	9.89	-18.20
Sorghum	4488.21	2629.18	-41.42	40692.21	23986.65	-41.05	9.07	9.12	0.55
Finger Millet	-	-		-	-		-	-	
Oats/'Aja'	79.54	*		551.52	*		6.93	*	
Rice	-	-		-	-		-	-	
Pulses	7230.70	6794.50	-6.03	53524.28	62419.60	16.62			
Horse Beans	3805.43	3270.17	-14.07	31089.71	32281.36	3.83	8.17	9.87	20.81
Field Peas	2177.09	2307.67	6.00	14072.83	21667.18	53.96	6.46	9.39	45.36
Haricot beans	1045.66	1070.37	2.36	7678.53	8045.29	4.78	7.34	7.52	2.45
Chick-Peas	90.36	53.38	-40.93	322.78	153.36	-52.49	3.57	2.87	-19.61
Lentils	105.58	92.18	-12.69	343.07	271.70	-20.80	3.25	2.95	-9.23
Vetch	*	-		*	-		*	-	
Soya Beans	*	*		*	*		*	*	
Fenugreek	*	*		*	*		*	*	
Gibto	-	-		-	-		-	-	
Oilseeds	156.87	153.84	-1.93	688.14	498.38	-27.58			
Neug	*	*		*	*		*	*	
Linseed	71.66	117.73	64.29	236.53	330.04	39.53	3.30	2.80	-15.15
Groundnut	*	33.20		432.22	159.43	-63.11	*	4.80	
Sufflower	-	-		-	-		-	-	
Sesame	*	-		*	-		*	-	
Rapeseed	8.69	*		17.05	*		1.96	*	

Table 8.18 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Basketo Special Wereda Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	2341.62	2042.52	-12.77	26967.93	20190.65	-25.13			
Cereals	2182.73	1798.00	-17.63	25880.51	18459.69	-28.67			
Teff	943.09	765.00	-18.88	8859.28	4597.79	-48.10	9.39	6.01	-36.00
Barley	260.25	197.39	-24.15	2359.04	2001.46	-15.16	9.06	10.14	11.92
Wheat	*	*		*	*		*	*	
Maize	527.91	383.40	-27.37	8830.52	6694.24	-24.19	16.73	17.46	4.36
Sorghum	447.48	445.81	-0.37	5820.54	5145.72	-11.59	13.01	11.54	-11.30
Finger Millet	-	-		-	-		-	-	
Oats/Aja'	*	-		*	-		*	-	
Rice	-	-		-	-		-	-	
Pulses	154.10	233.91	51.79	1055.07	1647.68	56.17			
Horse Beans	11.74	7.43	-36.71	44.58	0.00	-100.00	3.80	0.00	-100.00
Field Peas	81.14	88.57	9.16	613.37	650.55	6.06	7.56	7.35	-2.78
Haricot beans	57.75	137.90	138.79	397.11	942.24	137.27	6.88	6.83	-0.73
Chick-Peas	*	-		*	-		*	-	
Lentils	-	-		-	-		-	-	
Vetch	-	-		-	-		-	-	
Soya Beans	*	-		*	-		*	-	
Fenugreek	*	-		*	-		*	-	
Gibto	-	-		-	-		-	-	
Oilseeds	4.79	10.62	121.71	32.35	83.29	157.47			
Neug	-	-		-	-		-	-	
Linseed	*	*		*	*		*	*	
Groundnut	*	*		*	*		*	*	
Sufflower	*	6.70		*	48.06		*	7.17	
Sesame	-	-		-	-		-	-	
Rapeseed	*	-		*	-		*	-	

Table 8.19 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Konta Special Wereda Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	6893.28	6006.17	-12.87	74647.74	38419.62	-48.53			
Cereals	5122.48	4532.89	-11.51	55989.22	29427.99	-47.44			
Teff	2355.85	2369.53	0.58	17952.39	11624.00	-35.25	7.62	4.91	-35.56
Barley	956.06	498.95	-47.81	13425.17	4697.17	-65.01	14.04	9.41	-32.98
Wheat	251.91	128.84	-48.85	3032.57	1363.24	-55.05	12.04	10.58	-12.13
Maize	499.68	320.96	-35.77	9013.67	3146.37	-65.09	18.04	9.80	-45.68
Sorghum	1031.24	1204.62	16.81	12275.13	8525.34	-30.55	11.90	7.08	-40.50
Finger Millet	-	-		-	-		-	-	
Oats/'Aja'	*	*		*	*		*	*	
Rice	-	-		-	-		-	-	
Pulses	1763.80	1470.55	-16.63	18643.50	8984.43	-51.81			
Horse Beans	1195.18	988.87	-17.26	13824.08	6671.94	-51.74	11.57	6.75	-41.66
Field Peas	349.25	216.18	-38.10	3193.59	1211.03	-62.08	9.14	5.60	-38.73
Haricot beans	217.42	258.66	18.97	1625.07	1099.37	-32.35	7.47	4.25	-43.11
Chick-Peas	*	*		*	*		*	*	
Lentils	-	-		-	-		-	-	
Vetch	-	-		-	-		-	-	
Soya Beans	-	-		-	-		-	-	
Fenugreek	-	-		-	-		-	-	
Gibto	-	-		-	-		-	-	
Oilseeds	7.00	2.74	-60.86	15.02	7.20	-52.06			
Neug	*	-		*	-		*	-	
Linseed	6.73	2.74	-59.29	15.02	7.20	-52.06	2.23	2.63	17.94
Groundnut	-	-		-	-		-	-	
Sufflower	-	-		-	-		-	-	
Sesame	*	-		*	-		*	-	
Rapeseed	-	-		-	-		-	-	

Table 8.20 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Silite Zone									
Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains		58088.04			588521.22				
Cereals		53894.06			551236.67				
Teff		10852.84			71482.60			6.59	
Barley		5556.33			61504.03			11.07	
Wheat		9873.97			116215.55			11.77	
Maize		19446.00			231650.26			11.91	
Sorghum		8018.44			68818.41			8.58	
Finger Millet		*			*			*	
Oats/'Aja'		*			*			*	
Rice		-			-			-	
Pulses		4000.33			36919.82				
Horse Beans		1941.00			19948.51			10.28	
Field Peas		849.93			10164.31			11.96	
Haricot beans		505.49			2863.67			5.67	
Chick-Peas		333.64			*			*	
Lentils		31.18			58.37			1.87	
Vetch		*			*			*	
Soya Beans		-			-			-	
Fenugreek		61.33			162.23			2.65	
Gibto		-			-			-	
Oilseeds		193.65			364.74				
Neug		-			-			-	
Linseed		174.75			286.61			1.64	
Groundnut		-			-			-	
Sufflower		-			-			-	
Sesame		-			-			-	
Rapeseed		*			*			*	

Note:- Since Silite zone is a newly constituted zone of the S.N.N.P Region, comparisons of estimates with that of last year's could not be made

Note:- Since Silite zone is a newly constituted zone of the S.N.N.P Region, comparisons of estimates with that of last year's could not be made

Table 8.21 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Alaba Special Wereda Zone

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains		20964.77			176642.13				
Cereals		19664.79			170866.10				
Teff		3198.63			15998.12			5.00	
Barley		85.16			378.97			4.45	
Wheat		2080.90			17421.71			8.37	
Maize		11334.06			114794.58			10.13	
Sorghum		2085.41			15264.67			7.32	
Finger Millet		880.64			7008.06			7.96	
Oats/'Aja'		-			-			-	
Rice		-			-			-	
Pulses		1262.49			5615.09				
Horse Beans		*			*			*	
Field Peas		*			*			*	
Haricot beans		1007.66			4773.38			4.74	
Chick-Peas		*			*			*	
Lentils		*			*			*	
Vetch		-			-			-	
Soya Beans		-			-			-	
Fenugreek		97.05			142.99			1.47	
Gibto		-			-			-	
Oilseeds		37.49			*				
Neug		-			-			-	
Linseed		20.09			12.97			0.65	
Groundnut		-			-			-	
Sufflower		-			-			-	
Sesame		*			*			*	
Rapeseed		*			*			*	

Note:- Since Alaba Special Wereda is a newly constituted wereda of the S.N.N.P Region, comparisons of estimates with that of last year's could not be made

Table 9. Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Gambella Region

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	8337.75	7472.82	-10.37	145743.43	100314.17	-31.17			
Cereals	7876.60	7022.20	-10.85	144048.75	99189.54	-31.14			
Teff	4.67	*		*	*		*	*	
Barley	9.41	*		21.21	*		2.25	*	
Wheat	*	-		*	-		*	-	
Maize	5110.06	4956.25	-3.01	109867.48	74875.73	-31.85	21.50	15.11	-29.72
Sorghum	2664.26	1916.81	-28.05	33217.91	23242.73	-30.03	12.47	12.13	-2.73
Finger Millet	48.38	46.31	-4.28	535.55 *			11.07 *		
Oats/'Aja'	*	-		*	-		*	-	
Rice	38.57	*		384.60	*		9.97	*	
Pulses	116.47	63.89	-45.14	706.26	*				
Horse Beans	*	*		*	*		*	*	
Field Peas	*	-		*	-		*	-	
Haricot beans	112.31	63.84	-43.16	704.26	*		6.27	*	
Chick-Peas	*	-		*	-		*	-	
Lentils	*	-		*	-		*	-	
Vetch	*	-		*	-		*	-	
Soya Beans	0.09	-		0.00	-		0.00	-	
Fenugreek	*	-		*	-		*	-	
Gibto	*	-		*	-		*	-	
Oilseeds	344.68	386.73	12.20	988.42	725.02	-26.65			
Neug	*	-		*	-		*	-	
Linseed	*	-		*	-		*	-	
Groundnut	26.06	40.42	55.10	177.43	265.86	49.84	6.81	6.58	-3.38
Sufflower	0.73	-		-	-		-	-	
Sesame	314.63	345.79	9.90	806.57	*		2.56	*	
Rapeseed	*	*		*	*		*	*	

Table 9.1 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Zone 1

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	1903.55	1978.18	3.92	30595.62	24521.17	-19.85			
Cereals	1845.61	1947.61	5.53	30282.28	24277.79	-19.83			
Teff	0.69	-		0.00	-		0.00	-	
Barley	*	-		*	-		*	-	
Wheat	-	-		-	-		-	-	
Maize	1715.58	1721.93	0.37	28424.92	22638.76	-20.36	16.57	13.15	-20.64
Sorghum	127.08	225.68	77.59	1857.37	1639.03	-11.76	14.62	7.26	-50.34
Finger Millet	-	-		-	-		-	-	
Oats/Aja'	*	-		*	-		*	-	
Rice	*	-		*	-		*	-	
Pulses	46.10	8.51	-81.54	220.45	*				
Horse Beans	-	-		-	-		-	-	
Field Peas	-	-		-	-		-	-	
Haricot beans	45.88	8.51	-81.45	220.45 *			4.80 *		
Chick-Peas	*	-		*	-		*	-	
Lentils	-	-		-	-		-	-	
Vetch	0.01	-		0.00	-		0.00	-	
Soya Beans	*	-		*	-		*	-	
Fenugreek	-	-		-	-		-	-	
Gibto	*	-		*	-		*	-	
Oilseeds	11.84	*		92.89	*				
Neug	-	-		-	-		-	-	
Linseed	*	-		*	-		*	-	
Groundnut	3.61	*		37.15	*		10.29	*	
Sufflower	*	-		*	-		*	-	
Sesame	*	3.57		*	33.17		*	9.29	
Rapeseed	-	-		-	0.00		-	0.00	

Table 9.2 Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Zone 2

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	6434.20	5494.65	-14.60	115147.70	75793.00	-34.18			
Cereals	6030.99	5074.59	-15.86	113766.47	74911.75	-34.15			
Teff	*	*		*	*		*	*	
Barley	8.02	*		21.21	*		2.64	*	
Wheat	*	-		*	-		*	-	
Maize	3394.48	3234.32	-4.72	81442.56	52236.97	-35.86	23.99	16.15	-32.68
Sorghum	2537.18	1691.13	-33.35	31360.54	21603.71	-31.11	12.36	12.77	3.32
Finger Millet	48.38	46.31	-4.28	535.55	*		11.07	*	
Oats/'Aja'	*	-		*	-		*	-	
Rice	38.40	*		384.60	*		10.02	*	
Pulses	70.37	55.38	-21.30	*	*				
Horse Beans	*	*		*	*		*	*	
Field Peas	*	-		*	-		*	-	
Haricot beans	66.43	55.33	-16.71	*	*		*	*	
Chick-Peas	*	-		*	-		*	-	
Lentils	*	-		*	-		*	-	
Vetch	*	-		*	-		*	-	
Soya Beans	*	-		*	-		*	-	
Fenugreek	*	-		*	-		*	-	
Gibto	*	-		*	-		*	-	
Oilseeds	332.84	364.67	9.56	895.53 *					
Neug	*	-		*	-		*	-	
Linseed	*	-		*	-		*	-	
Groundnut	22.45	21.94	-2.27	140.28	109.24	-22.13	6.25	4.98	-20.32
Sufflower	0.68	-		*	-		*	-	
Sesame	308.10	342.21	11.07	750.83	*		2.44	*	
Rapeseed	*	*		*	*		*	*	

Table 10. Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Harari Region

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	5899.62	6990.53	18.49	56063.34	52344.86	-6.63			
Cereals	4624.92	5522.06	19.40	43859.47	42415.21	-3.29			
Teff	*	*		*	*		*	*	
Barley	18.04	*		*	*		*	*	
Wheat	99.94	83.90	-16.05	549.11	*		5.49	*	
Maize	667.56	767.67	15.00	8267.40	8101.36	-2.01	12.38	10.55	-14.78
Sorghum	3834.52	4644.34	21.12	34892.12	33414.49	-4.23	9.10	7.19	-20.99
Finger Millet	*	-		*	-		*	-	
Oats/'Aja'	*	*		*	*		*	*	
Rice	-	-		-	-		-	-	
Pulses	25.69	20.14	-21.60	130.21	67.58	-48.10			
Horse Beans	*	*		*	*		*	*	
Field Peas	*	-		*	-		*	-	
Haricot beans	10.62	17.40	63.84	55.60	58.75	5.67	5.24	3.38	-35.50
Chick-Peas	*	*		*	*		*	*	
Lentils	-	-		-	-		-	-	
Vetch	-	-		-	-		-	-	
Soya Beans	-	-		-	-		-	-	
Fenugreek	*	*		*	*		*	*	
Gibto	-	-		-	-		-	-	
Oilseeds	1249.01	1448.33	15.96	12073.66	9862.07	-18.32			
Neug	-	-		-	-		-	-	
Linseed	-	-		-	-		-	-	
Groundnut	1239.61	1418.04	14.39	11983.49	9718.83	-18.90	9.67	6.85	-29.16
Sufflower	-	-		-	-		-	-	
Sesame	*	*		*	*		*	*	
Rapeseed	-	*		-	*		-	*	

Table 11. Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Addis Ababa Administration

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	20980.58	23899.05	13.91	207441.87	231432.52	11.56			
Cereals	16077.97	18849.68	17.24	163765.09	186919.30	14.14			
Teff	7982.95	9236.76	15.71	69957.24	76485.14	9.33	8.76	8.28	-5.48
Barley	148.28	*		1052.02	*		7.09	*	
Wheat	7864.34	8836.30	12.36	92449.44	105519.65	14.14	11.76	11.94	1.53
Maize	47.39	73.98	56.11	46.18	104.56	126.42	0.97	1.41	45.36
Sorghum	26.51	*		195.91	*		7.39	*	
Finger Millet	*	-		*	-		*	-	
Oats/'Aja'	*	29.25		*	279.92		*	9.57	
Rice	-	-		-	-		-	-	
Pulses	4888.55	5017.47	2.64	43676.78	44462.62	1.80			
Horse Beans	230.59	307.13	33.19	1272.51	1758.28	38.17	5.52	5.72	3.62
Field Peas	53.54	70.72	32.09	228.18	*		4.26	*	
Haricot beans	1.39	*		2.03	*		1.46	*	
Chick-Peas	2544.09	2663.54	4.70	25715.48	27084.41	5.32	10.11	10.17	0.59
Lentils	*	368.97		*	1183.49		*	3.21	
Vetch	1295.38	1199.82	-7.38	12410.53	12884.68	3.82	9.58	10.74	12.11
Soya Beans	-	-		-	-		-	-	
Fenugreek	204.71	407.18	98.91	756.06	950.26	25.69	3.69	2.33	-36.86
Gibto	-	-		-	-		-	-	
Oilseeds	14.06	31.90	126.88	0.00	50.60				
Neug	*	-		*	-		*	-	
Linseed	11.54	*		0.00	*		0.00	*	
Groundnut	-	-		-	-		-	-	
Sufflower	*	-		*	-		*	-	
Sesame	-	-		-	-		-	-	
Rapeseed	0.71	3.38	376.06	2.35	14.87	532.77	3.31	4.40	32.93

Table 10. Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Harari Region

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	5899.62	6990.53	18.49	56063.34	52344.86	-6.63			
Cereals	4624.92	5522.06	19.40	43859.47	42415.21	-3.29			
Teff	*	*		*	*		*	*	
Barley	18.04	*		*	*		*	*	
Wheat	99.94	83.90	-16.05	549.11	*		5.49	*	
Maize	667.56	767.67	15.00	8267.40	8101.36	-2.01	12.38	10.55	-14.78
Sorghum	3834.52	4644.34	21.12	34892.12	33414.49	-4.23	9.10	7.19	-20.99
Finger Millet	*	-		*	-		*	-	
Oats/'Aja'	*	*		*	*		*	*	
Rice	-	-		-	-		-	-	
Pulses	25.69	20.14	-21.60	130.21	67.58	-48.10			
Horse Beans	*	*		*	*		*	*	
Field Peas	*	-		*	-		*	-	
Haricot beans	10.62	17.40	63.84	55.60	58.75	5.67	5.24	3.38	-35.50
Chick-Peas	*	*		*	*		*	*	
Lentils	-	-		-	-		-	-	
Vetch	-	-		-	-		-	-	
Soya Beans	-	-		-	-		-	-	
Fenugreek	*	*		*	*		*	*	
Gibto	-	-		-	-		-	-	
Oilseeds	1249.01	1448.33	15.96	12073.66	9862.07	-18.32			
Neug	-	-		-	-		-	-	
Linseed	-	-		-	-		-	-	
Groundnut	1239.61	1418.04	14.39	11983.49	9718.83	-18.90	9.67	6.85	-29.16
Sufflower	-	-		-	-		-	-	
Sesame	*	*		*	*		*	*	
Rapeseed	-	*		-	*		-	*	

Table 11. Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Addis Ababa Administration

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	20980.58	23899.05	13.91	207441.87	231432.52	11.56			
Cereals	16077.97	18849.68	17.24	163765.09	186919.30	14.14			
Teff	7982.95	9236.76	15.71	69957.24	76485.14	9.33	8.76	8.28	-5.48
Barley	148.28	*	-	1052.02	*	-	7.09	*	-
Wheat	7864.34	8836.30	12.36	92449.44	105519.65	14.14	11.76	11.94	1.53
Maize	47.39	73.98	56.11	46.18	104.56	126.42	0.97	1.41	45.36
Sorghum	26.51	*	-	195.91	*	-	7.39	*	-
Finger Millet	*	-	-	*	-	-	*	-	-
Oats/'Aja'	*	29.25	-	*	279.92	-	*	9.57	-
Rice	-	-	-	-	-	-	-	-	-
Pulses	4888.55	5017.47	2.64	43676.78	44462.62	1.80			
Horse Beans	230.59	307.13	33.19	1272.51	1758.28	38.17	5.52	5.72	3.62
Field Peas	53.54	70.72	32.09	228.18	*	-	4.26	*	-
Haricot beans	1.39	*	-	2.03	*	-	1.46	*	-
Chick-Peas	2544.09	2663.54	4.70	25715.48	27084.41	5.32	10.11	10.17	0.59
Lentils	*	368.97	-	*	1183.49	-	*	3.21	-
Vetch	1295.38	1199.82	-7.38	12410.53	12884.68	3.82	9.58	10.74	12.11
Soya Beans	-	-	-	-	-	-	-	-	-
Fenugreek	204.71	407.18	98.91	756.06	950.26	25.69	3.69	2.33	-36.86
Gibto	-	-	-	-	-	-	-	-	-
Oilseeds	14.06	31.90	126.88	0.00	50.60				
Neug	*	-	-	*	-	-	*	-	-
Linseed	11.54	*	-	0.00	*	-	0.00	*	-
Groundnut	-	-	-	-	-	-	-	-	-
Sufflower	*	-	-	*	-	-	*	-	-
Sesame	-	-	-	-	-	-	-	-	-
Rapeseed	0.71	3.38	376.06	2.35	14.87	532.77	3.31	4.40	32.93

Table 12. Forecast of 2002/03 and Estimate of 2001/02 Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Dire Dawa Administration

Major Crops	TOTAL AREA IN HECTARES			TOTAL PROD. IN QUINTALS			Yield(Qts/Ha)		
	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change	Estimate's of 2001/02	Forecast of 2002/03	% age Change
Total Grains	6663.89	6803.79	2.10	91460.05	41024.22	-55.15			
Cereals	6425.90	6457.21	0.49	89096.81	40085.87	-55.01			
Teff	-	-		-	-		-	-	
Barley	*	*		*	*		*	*	
Wheat	*	*		*	*		*	*	
Maize	257.46	477.14	85.33	3299.87	2282.95	-30.82	12.82	4.78	-62.71
Sorghum	6160.24	5962.82	-3.20	85749.42	37723.63	-56.01	13.92	6.33	-54.53
Finger Millet	*	-		*	-		*	-	
Oats/Aja'	*	*		*	*		*	*	
Rice	-	-		-	-		-	-	
Pulses	203.63	297.03	45.87	2139.11	779.55	-63.56			
Horse Beans	-	-		-	-		-	-	
Field Peas	-	-		-	-		-	-	
Haricot beans	201.21	294.05	46.14	2126.76	771.95	-63.70	10.57	2.63	-75.12
Chick-Peas	-	-		-	-		-	-	
Lentils	-	-		-	-		-	-	
Vetch	-	-		-	-		-	-	
Soya Beans	-	-		-	-		-	-	
Fenugreek	*	*		*	*		*	*	
Gibto	-	-		-	-		-	-	
Oilseeds	34.36	49.55	44.21	224.13	158.80	-29.15			
Neug	-	-		-	-		-	-	
Linseed	-	-		-	-		-	-	
Groundnut	24.57	*		0.00	140.36		-	*	
Sufflower	-	-		-	-		*	-	
Sesame	*	*		*	*		-	*	
Rapeseed	-	-		-	-		-	-	

APPENDIX I

Estimation Procedures of Totals, Ratios and Sampling Error.

APPENDIX I :- Estimation Procedures of Totals, Ratios and Sampling Errors

The following formulas were used to estimate total area of land under specific crop, level of production and yield of specific crop in a stratum.

1. For Estimating Total Area of Land Under Specific Crop:

$$\hat{Y}_h = \sum_{i=1}^{n_h} W_{hi} \sum_{j=1}^{h_{hi}} y_{hij} \quad (1)$$

in which, $W_{hi} = \frac{M_h H_{hi}}{n_h m_{hi} h_{hi}}$ is the basic weight.

Where:

h represents the stratum

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

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

m_{hi} is the measure of size of the i^{th} sample EA in the h^{th} stratum obtained from the sampling frame.

H_{hi} is the total number of agricultural households of the i^{th} sample EA in the h^{th} .

h_{hi} is number of sample agricultural households successfully covered in the i^{th} sample EA in the h^{th} stratum.

y_{hij} is the observed value of the variable y for agricultural households j , in the i^{th} EA in the h^{th} stratum.

\hat{Y}_{hi} estimated total for EA i in stratum h

\hat{Y}_h estimated total for stratum h

2. Sampling Variance of Estimates:

Sampling variance of estimate of stratum total of area and production are estimated by the following formula.

$$Var(\hat{Y}_h) = (1 - f_h) \frac{n_h}{n_h - 1} \sum_{i=1}^m \left(\hat{Y}_{hi} - \frac{\hat{Y}_h}{m} \right)^2 + f_h \sum_{i=1}^m (1 - f_{hi}) \left(\frac{h_{hi}}{h_{hi} - 1} \right) \sum_{j=1}^{h_{hi}} \left(\hat{y}_{hij} - \frac{\hat{Y}_{hi}}{h_{hi}} \right)^2 \quad (2)$$

Where,

f_h = average first stage probability of selection of EAs within stratum h .

$f_{hi} = \frac{h_{hi}}{H_{hi}}$ = average second stage probability of selection within the i^{th} sample EA

in stratum h .

Since all strata are independent, the total variance at regional and country level is computed by aggregating the result obtained at Zone/Special Wereda level, i.e.

$$Var(\hat{Y}) = \sum_h^L Var(\hat{Y}_h)$$

Where, L is the number of strata (Zone/Special Wereda).

In estimating the sampling variance by the above formula, selection of EAs within a stratum is assumed to be with replacement. By so doing the variance estimate may be slightly over estimated but it greatly simplifies the estimation procedure.

3. Coefficient of Variation (CV) of Estimates:

Coefficient of Variation (CV) in percentage of estimate of stratum total of area and production for a specific crop are given by:

$$CV(\hat{Y}_h) = \frac{\sqrt{Var(\hat{Y}_h)}}{\hat{Y}_h} * 100 \quad (3)$$

4. Estimator of Ratio:

The estimator of a given ratio \hat{R}_h in stratum is the following

$$\hat{R}_h = \frac{\hat{Y}_h}{\hat{X}_h} ,$$

where the numerator and the denominator are estimates of stratum totals of characteristics of y and x, respectively.

5. Variance of the ratio estimate of the stratum:

$$Var(\hat{R}_h) = \frac{1}{\hat{X}_h} \left[V(\hat{Y}_h) + \hat{R}_h^2 V(\hat{X}_h) - 2\hat{R}_h Cov(\hat{Y}_h, \hat{X}_h) \right] \quad (4)$$

$$\begin{aligned} \text{Where, } Cov(\hat{Y}_h, \hat{X}_h) &= (1 - f_h) \frac{n_h}{n_h - 1} \sum_{i=1}^{n_h} \left(\hat{Y}_{hi} - \frac{\hat{X}_h}{n_h} \right) \left(\hat{Y}_{hi} - \frac{\hat{Y}_h}{n_h} \right) \\ &+ f_h \sum_{i=1}^{n_h} (1 - f_{hi}) \left(\frac{h_{hi}}{h_{hi} - 1} \right) \sum_{j=1}^{h_{hi}} \left(\hat{X}_{hij} - \frac{\hat{X}_h}{h_{hi}} \right) \left(\hat{Y}_{hij} - \frac{\hat{Y}_h}{h_{hi}} \right). \end{aligned}$$

4. Ninety-five percent confidence interval (CI) of stratum total:

$$\hat{Y}_h + 1.96 * SE(\hat{Y}_h) \quad , \quad (5)$$

$$\text{Where } SE(\hat{Y}_h) = \sqrt{Var(\hat{Y}_h)}$$

Estimates of standard error, coefficient of variation and confidence interval for the ratio estimate can be calculated by adopting the above formulas.

APPENDIX II

Standard Errors and Coefficient of Variations for Estimates of
Area and Volume of Expected Production of Major Crops,
2002/03 (1995 E.C) Crop Production Forecast Survey Results.

APPENDIX II Standard Error and Coefficient of variation for Forecast of Area and production of Major Crops, 2002/03 (1995 E.C)

Table 1 Estimates of Forecast of Area, Production, Yield and their Standard Errors and Coefficients of Variation for Major Crops 2002/03 (1995 E.C.)

National

Crop	Area			Production		
	Hectares	S.E.	C.V	Quintals	S.E.	C.V.
TOTAL	7,859,494.27	93,262.05	1.19	73,694,451.92	1,262,706.92	1.71
Cereals.....	6,323,819.80	77,720.70	1.23	63,497,252.90	1,147,323.27	1.81
Teff.....	1,931,088.05	49,942.11	2.59	14,196,101.29	526,917.82	3.71
Barley.....	788,692.38	29,779.92	3.78	6,899,680.37	302,907.85	4.39
Wheat.....	997,717.64	36,831.67	3.69	10,721,446.41	529,416.01	4.94
Maize.....	1,191,428.38	29,122.22	2.44	17,880,314.03	586,937.40	3.28
Sorghum.....	1,071,957.28	32,678.97	3.05	10,397,992.75	448,334.59	4.31
Finger millet.....	308,089.42	14,077.69	4.57	3,092,378.58	183,857.81	5.95
Oats/'Aja'.....	30,117.21	3,576.67	11.88	252,321.77	35,717.69	14.16
Rice.....	4,729.43	1,982.82	41.93	*	*	*
Pulses.....	1,061,416.97	26,417.28	2.49	8,231,728.49	268,782.82	3.27
Horse beans.....	389,994.78	13,466.92	3.45	3,616,754.87	155,877.19	4.31
Field peas.....	207,048.27	10,350.78	5.00	1,393,843.30	87,682.44	6.29
Haricot beans.....	181,583.04	12,541.05	6.91	1,117,499.61	101,757.88	9.11
Chick-peas.....	140,244.53	10,241.36	7.30	1,141,278.33	99,380.14	8.71
Lentils.....	51,433.05	4,297.50	8.36	225,869.09	26,408.63	11.69
Vetch.....	53,977.59	5,798.81	10.74	531,194.57	67,601.93	12.73
Soya beans.....	935.70	322.26	34.44	6,951.14	3,101.38	44.62
Fenugreek.....	25,543.15	4,315.12	16.89	116,636.16	18,639.06	15.98
Gibto.....	10,656.86	2,130.08	19.99	81,701.41	18,100.25	22.15
Oilseeds.....	474,257.50	18,461.52	3.89	1,965,470.52	97,934.13	4.98
Neug.....	249,683.84	14,514.04	5.81	853,397.65	58,358.64	6.84
Linseed.....	131,877.55	10,432.23	7.91	427,850.51	45,220.71	10.57
Groundnuts.....	14,088.31	2,791.85	19.82	107,189.33	24,211.42	22.59
Sufflower.....	3,634.54	783.44	21.56	15,815.40	2,795.14	17.67
Sesame.....	57,716.66	6,693.77	11.60	362,720.33	51,030.83	14.07
Rapeseed.....	17,256.60	1,769.45	10.25	198,497.30	28,339.30	14.28

Table 2 Estimates of Forecast of Area, Production, Yield and their Standard Errors and Coefficients of Variation for Major Crops 2002/03 (1995 E.C.)

Tigray

Region

Crop	Area			Production		
	Hectares	S.E.	C.V	Quintals	S.E.	C.V.
TOTAL	566,863.89	19,466.05	3.43	4,933,481.57	296,931.80	6.02
Cereals.....	487,880.47	17,240.02	3.53	4,380,208.57	279,428.38	6.38
Teff.....	129,172.52	8,450.17	6.54	772,651.28	61,830.75	8.00
Barley.....	65,185.55	4,034.04	6.19	438,542.09	32,352.25	7.38
Wheat.....	70,824.35	5,108.28	7.21	464,814.09	41,556.09	8.94
Maize.....	43,604.07	3,458.03	7.93	544,257.36	45,807.97	8.42
Sorghum.....	121,569.72	8,449.72	6.95	1,636,901.94	202,967.53	12.40
Finger millet.....	56,989.82	3,803.87	6.67	519,270.11	65,718.49	12.66
Oats/'Aja'.....	*	*	*	*	*	*
Rice.....	-	-	-	-	-	-
Pulses.....	48,673.84	3,149.74	6.47	357,389.93	28,016.97	7.84
Horse beans.....	17,496.07	1,633.69	9.34	162,326.37	16,847.89	10.38
Field peas.....	4,697.93	725.85	15.45	32,771.20	5,172.16	15.78
Haricot beans.....	1,313.88	643.95	49.01	2,992.21	1,108.75	37.05
Chick-peas.....	12,857.54	1,909.48	14.85	99,518.87	19,338.54	19.43
Lentils.....	5,673.82	946.31	16.68	24,543.65	4,878.92	19.88
Vetch.....	5,599.07	1,056.41	18.87	32,395.87	7,643.40	23.59
Soya beans.....	-	-	-	-	-	-
Fenugreek.....	1,035.53	241.59	23.33	2,841.75	771.83	27.16
Gibto.....	-	-	-	-	-	-
Oilseeds.....	30,309.57	3,700.94	12.21	195,883.07	27,158.97	13.86
Neug.....	6,504.34	1,354.72	20.83	37,410.97	6,973.28	18.64
Linseed.....	5,745.98	725.15	12.62	20,311.22	3,961.04	19.50
Groundnuts.....	*	*	*	*	*	*
Sufflower.....	84.33	39.18	46.46	*	*	*
Sesame.....	17,882.95	3,617.00	20.23	137,700.51	28,131.32	20.43
Rapeseed.....	*	*	*	*	*	*

S.E = Standard Error

C.V = Coefficient of Variation

- = Insignificant or Not available

Table 3 Estimates of Forcast of Area, Production, Yield and their Standard Errors and Coefficients of Variation for Major Crops 2002/03 (1995 E.C.)

Afar Region

Crop	Area			Production		
	Hectares	S.E.	C.V	Quintals	S.E.	C.V.
TOTAL	7,466.12	792.04	10.61	40,532.54	5,466.68	13.49
Cereals.....	6,539.51	690.81	10.56	37,950.82	5,483.59	14.45
Teff.....	2,502.82	424.72	16.97	8,784.35	1,567.75	17.85
Barley.....	33.11	15.03	45.39	*	*	*
Wheat.....	*	*	*	*	*	*
Maize.....	2,156.87	392.77	18.21	19,503.69	4,699.23	24.09
Sorghum.....	1,778.99	246.75	13.87	9,276.75	1,528.26	16.47
Finger millet.....	-	-	-	-	-	-
Oats/'Aja'.....	-	-	-	-	-	-
Rice.....	-	-	-	-	-	-
Pulses.....	712.44	201.36	28.26	1,783.89	648.45	36.35
Horse beans.....	*	*	*	*	*	*
Field peas.....	*	*	*	*	*	*
Haricot beans.....	235.02	107.61	45.79	914.98	428.54	46.84
Chick-peas.....	467.35	117.13	25.06	865.06	292.81	33.85
Lentils.....	*	*	*	*	*	*
Vetch.....	-	-	-	-	-	-
Soya beans.....	-	-	-	-	-	-
Fenugreek.....	-	-	-	-	-	-
Gibto.....	-	-	-	-	-	-
Oilseeds.....	214.18	48.99	22.87	797.83	202.56	25.39
Neug.....	14.57	6.98	47.92	*	*	*
Linseed.....	*	*	*	*	*	*
Groundnuts.....	*	*	*	*	*	*
Sufflower.....	54.62	22.42	41.05	162.65	68.59	42.17
Sesame.....	141.60	33.17	23.42	580.47	171.38	29.52
Rapeseed.....	-	-	-	-	-	-

Table 4 Estimates of Forcast of Area, Production, Yield and their Standard Errors and Coefficients of Variation for Major Crops 2002/03 (1995 E.C.)

Amhara Region

Crop	Area			Production		
	Hectares	S.E.	C.V	Quintals	S.E.	C.V.
TOTAL	2,894,219.15	57,166.19	1.98	23,131,679.96	628,996.24	2.72
Cereals.....	2,216,114.07	44,911.07	2.03	18,863,755.31	556,171.18	2.95
Teff.....	838,056.04	32,801.67	3.91	6,007,581.75	367,545.31	6.12
Barley.....	307,597.50	16,858.81	5.48	2,475,939.36	166,040.56	6.71
Wheat.....	296,111.28	18,481.50	6.24	2,627,610.23	209,527.00	7.97
Maize.....	238,406.66	9,525.46	4.00	3,518,777.80	212,187.11	6.03
Sorghum.....	368,433.94	23,292.67	6.32	2,532,985.42	174,368.58	6.88
Finger millet.....	153,394.75	11,007.15	7.18	1,577,640.99	143,279.78	9.08
Oats/'Aja'.....	10,719.46	2,605.31	24.30	78,431.72	17,641.09	22.49
Rice.....	*	*	*	*	*	*
Pulses.....	496,478.59	19,499.04	3.93	3,530,973.40	178,984.54	5.07
Horse beans.....	194,084.62	10,197.70	5.25	1,647,081.90	111,517.71	6.77
Field peas.....	98,638.85	6,496.52	6.59	557,056.97	43,757.33	7.86
Haricot beans.....	38,220.63	6,695.78	17.52	179,583.09	33,330.64	18.56
Chick-peas.....	81,343.54	8,564.30	10.53	568,061.65	65,057.97	11.45
Lentils.....	34,579.46	3,799.18	10.99	164,870.50	25,447.72	15.43
Vetch.....	27,662.41	4,580.55	16.56	270,083.53	52,716.41	19.52
Soya beans.....	-	-	-	-	-	-
Penugreek.....	11,365.28	2,408.59	21.19	63,600.92	14,864.79	23.37
Gibto.....	10,583.80	2,128.88	20.11	80,634.84	18,070.22	22.41
Oilseeds.....	181,626.49	11,351.85	6.25	736,951.25	61,290.92	8.32
Neug.....	127,213.20	10,734.14	8.44	426,088.94	48,093.66	11.29
Linseed.....	26,421.73	2,404.86	9.10	73,298.71	8,787.64	11.99
Groundnuts.....	*	*	*	*	*	*
Sufflower.....	2,901.98	771.18	26.57	11,561.31	2,645.70	22.88
Sesame.....	11,395.09	1,555.36	13.65	44,197.09	12,250.86	27.72
Rapeseed.....	12,379.02	1,530.19	12.36	167,825.29	27,629.21	16.46

S.E = Standard Error
 C.V = Coefficient of Variation
 - = Insignificant or Not available

Table 5 Estimates of Forcast of Area, Production, Yield and their Standard Errors and Coefficients of Variation for Major Crops 2002/03 (1995 E.C.)

Oromia Region

Crop	Area			Production		
	Hectares	S.E.	C.V	Quintals	S.E.	C.V.
TOTAL	3,508,690.94	65,598.68	1.87	37,000,783.61	988,445.62	2.67
Cereals.....	2,900,878.01	56,647.29	1.95	32,823,235.76	904,886.31	2.76
Teff.....	803,148.30	34,479.67	4.29	6,371,320.41	355,644.96	5.58
Barley.....	351,397.51	23,523.71	6.69	3,348,186.03	244,026.71	7.29
Wheat.....	527,049.73	30,833.22	5.85	6,345,180.83	474,677.75	7.48
Maize.....	702,705.41	24,682.21	3.51	11,150,537.15	497,916.49	4.47
Sorghum.....	426,498.34	20,170.40	4.73	4,678,142.24	345,494.00	7.39
Finger millet.....	71,930.69	6,717.07	9.34	763,348.21	82,261.63	10.78
Oats/'Aja'.....	17,714.09	2,411.95	13.62	161,065.72	30,766.75	19.10
Rice.....	433.95	201.30	46.39	5,455.18	2,689.47	49.30
Pulses.....	381,007.46	16,106.44	4.23	3,304,071.27	187,706.68	5.68
Horse beans.....	136,972.39	8,242.71	6.02	1,402,545.98	102,287.60	7.29
Field peas.....	74,398.63	7,635.33	10.26	584,987.52	72,374.64	12.37
Haricot beans.....	88,196.43	9,094.68	10.31	596,120.50	86,902.29	14.58
Chick-peas.....	39,930.61	5,197.96	13.02	429,298.18	72,319.59	16.85
Lentils.....	10,256.22	1,768.65	17.24	32,927.02	5,081.99	15.43
Vetch.....	18,992.33	3,385.51	17.83	210,396.00	41,443.43	19.70
Soya beans.....	-	-	-	-	-	-
Fenugreek.....	12,260.85	3,570.91	29.12	47,796.07	11,213.57	23.46
Gibto.....	-	-	-	-	-	-
Oilseeds.....	226,805.46	13,560.27	5.98	873,476.57	68,892.11	7.89
Neug.....	99,694.67	9,078.11	9.11	353,219.13	31,352.96	8.88
Linseed.....	97,531.79	10,115.20	10.37	329,792.05	44,170.97	13.39
Groundnuts.....	8,857.14	2,529.27	28.56	61,081.14	20,661.74	33.83
Sufflower.....	294.01	87.71	29.83	1,741.66	553.08	31.76
Sesame.....	15,917.04	5,244.65	32.95	98,222.18	38,163.29	38.85
Rapeseed.....	4,510.82	882.31	19.56	29,420.41	6,294.45	21.39

Table 6 Estimates of Forcast of Area, Production, Yield and their Standard Errors and Coefficients of Variation for Major Crops 2002/03 (1995 E.C.)

Somale Region

Crop	Area			Production		
	Hectares	S.E.	C.V	Quintals	S.E.	C.V.
TOTAL	64,367.18	5,868.20	9.12	512,096.48	56,622.94	11.06
Cereals.....	63,022.19	5,765.04	9.15	506,954.95	56,485.86	11.14
Teff.....	*	*	*	*	*	*
Barley.....	5,014.64	1,061.36	21.17	30,949.41	6,629.14	21.42
Wheat.....	10,047.15	1,989.97	19.81	80,132.96	14,493.48	18.09
Maize.....	20,189.47	2,801.68	13.88	163,668.39	31,746.92	19.40
Sorghum.....	26,949.75	3,129.33	11.61	225,528.81	34,980.22	15.51
Finger millet.....	-	-	-	-	-	-
Oats/'Aja'.....	789.13	320.94	40.67	*	*	*
Rice.....	-	-	-	-	-	-
Pulses.....	809.85	182.04	22.48	3,748.23	792.61	21.15
Horse beans.....	*	*	*	*	*	*
Field peas.....	103.88	40.23	38.73	415.34	194.96	46.94
Haricot beans.....	212.83	97.62	45.87	1,169.88	546.86	46.75
Chick-peas.....	207.82	101.56	48.87	754.00	324.27	43.01
Lentils.....	82.35	28.09	34.11	780.37	285.77	36.62
Vetch.....	-	-	-	-	-	-
Soya beans.....	-	-	-	-	-	-
Fenugreek.....	198.87	65.92	33.15	621.68	215.87	34.72
Gibto.....	-	-	-	-	-	-
Oilseeds.....	535.15	164.07	30.66	1,393.31	427.93	30.71
Neug.....	-	-	-	-	-	-
Linseed.....	533.15	164.05	30.77	1,333.79	423.05	31.72
Groundnuts.....	-	-	-	-	-	-
Sufflower.....	-	-	-	-	-	-
Sesame.....	*	*	*	*	*	*
Rapeseed.....	-	-	-	-	-	-

S.E = Standard Error
 C.V = Coefficient of Variation
 - = Insignificant or Not available

Table 7 Estimates of Forcast of Area, Production, Yield and their Standard Errors and Coefficients of Variation for Major Crops 2002/03 (1995 E.C.)

Benshangul-Gumuz

Region

Crop	Area			Production		
	Hectares	S.E.	C.V	Quintals	S.E.	C.V.
TOTAL	149,249.00	13,472.11	9.03	1,464,793.78	131,223.90	8.96
Cereals.....	109,191.16	8,841.29	8.10	1,254,861.04	107,248.13	8.55
Teff.....	13,555.85	3,525.74	26.01	79,113.18	22,361.88	28.27
Barley.....	623.28	281.60	45.18	5,565.67	2,576.86	46.30
Wheat.....	*	*	*	*	*	*
Maize.....	25,023.86	2,614.14	10.45	432,255.59	51,455.69	11.90
Sorghum.....	45,766.72	3,276.34	7.16	527,306.82	45,307.91	8.59
Finger millet.....	22,566.46	4,008.02	17.76	196,893.08	43,665.63	22.18
Oats/'Aja'.....	*	*	*	*	*	*
Rice.....	*	*	*	*	*	*
Pulses.....	9,289.09	2,655.65	28.59	70,084.40	18,723.21	26.72
Horse beans.....	430.26	201.54	46.84	*	*	*
Field peas.....	694.15	314.76	45.35	3,625.69	1,615.22	44.55
Haricot beans.....	6,945.76	2,577.34	37.11	53,140.33	17,935.13	33.75
Chick-peas.....	175.80	70.86	40.31	686.29	323.76	47.18
Lentils.....	*	*	*	*	*	*
Vetch.....	-	-	-	-	-	-
Soya beans.....	930.60	322.22	34.62	6,913.08	3,101.15	44.86
Fenugreek.....	8.15	4.06	49.86	*	*	*
Gibto.....	*	*	*	*	*	*
Oilseeds.....	30,768.75	3,753.68	12.20	139,848.34	18,490.11	13.22
Neug.....	16,076.27	3,344.32	20.80	36,244.77	7,816.21	21.57
Linseed.....	*	*	*	223.29	76.03	34.05
Groundnuts.....	2,181.82	571.29	26.18	21,281.18	5,670.97	26.65
Sufflower.....	*	*	*	*	*	*
Sesame.....	11,840.39	1,325.95	11.20	80,886.44	14,351.62	17.74
Rapeseed.....	94.31	30.72	32.58	581.02	184.68	31.78

Table 8 Estimates of Forcast of Area, Production, Yield and their Standard Errors and Coefficients of Variation for Major Crops 2002/03 (1995 E.C.)

(S.N.N.P.R) Region

Crop	Area			Production		
	Hectares	S.E.	C.V	Quintals	S.E.	C.V.
TOTAL	623,471.80	22,920.85	3.68	6,185,968.21	335,197.55	5.42
Cereals.....	502,343.22	20,044.64	3.99	5,261,676.55	307,822.14	5.85
Teff.....	135,380.16	12,022.46	8.88	879,595.15	108,003.89	12.28
Barley.....	58,245.70	5,629.57	9.67	596,484.72	59,439.30	9.96
Wheat.....	83,872.44	5,740.98	6.84	1,090,018.60	94,628.93	8.68
Maize.....	153,067.00	10,994.87	7.18	1,965,949.46	213,346.29	10.85
Sorghum.....	68,310.96	5,095.24	7.46	692,444.49	81,850.27	11.82
Finger millet.....	3,161.39	1,170.90	37.04	34,843.57	16,792.20	48.19
Oats/'Aja'.....	305.57	87.75	28.72	2,340.57	626.25	26.76
Rice.....	-	-	-	-	-	-
Pulses.....	119,047.18	6,394.32	5.37	917,968.01	61,754.44	6.73
Horse beans.....	40,700.00	2,590.07	6.36	398,539.65	33,304.42	8.36
Field peas.....	28,442.10	2,450.90	8.62	214,382.22	22,492.10	10.49
Haricot beans.....	46,083.10	4,758.85	10.33	282,348.16	36,990.04	13.10
Chick-peas.....	2,597.08	862.92	33.23	15,006.33	5,508.73	36.71
Lentils.....	432.85	66.38	15.34	1,451.65	240.97	16.60
Vetch.....	523.96	178.79	34.12	*	*	*
Soya beans.....	*	*	*	*	*	*
Fenugreek.....	262.99	47.20	17.95	767.46	187.86	24.48
Gibto.....	-	-	-	-	-	-
Oilseeds.....	2,081.40	376.57	18.09	6,323.66	1,163.28	18.40
Neug.....	180.79	59.89	33.13	383.44	47.57	12.41
Linseed.....	1,180.62	325.26	27.55	2,853.92	859.90	30.13
Groundnuts.....	229.20	101.83	44.43	*	*	*
Sufflower.....	158.28	49.92	31.54	1,539.48	580.33	37.70
Sesame.....	*	*	*	*	*	*
Rapeseed.....	178.83	47.80	26.73	376.24	117.04	31.11

S.E = Standard Error
 C.V = Coefficient of Variation
 - = Insignificant or Not available

Table 9 Estimates of Forcast of Area, Production, Yield and their Standard Errors and Coefficients of Variation for Major Crops 2002/03 (1995 E.C.)

Gambella Region

Crop	Area			Production		
	Hectares	S.E.	C.V	Quintals	S.E.	C.V.
TOTAL	7,472.82	765.53	10.24	100,314.17	16,695.74	16.64
Cereals.....	7,022.20	748.44	10.66	99,189.54	16,699.63	16.84
Teff.....	*	*	*	*	*	*
Barley.....	*	*	*	*	*	*
Wheat.....	-	-	-	-	-	-
Maize.....	4,956.25	680.69	13.73	74,875.73	15,945.50	21.30
Sorghum.....	1,916.81	239.15	12.48	23,242.73	3,790.98	16.31
Finger millet.....	46.31	19.35	41.79	*	*	*
Oats/'Aja'.....	-	-	-	-	-	-
Rice.....	*	*	*	*	*	*
Pulses.....	63.89	20.58	32.21	*	*	*
Horse beans.....	*	*	*	*	*	*
Field peas.....	-	-	-	-	-	-
Haricot beans.....	63.84	20.58	32.23	*	*	*
Chick-peas.....	-	-	-	-	-	-
Lentils.....	-	-	-	-	-	-
Vetch.....	-	-	-	-	-	-
Soya beans.....	-	-	-	-	-	-
Fenugreek.....	-	-	-	-	-	-
Gibto.....	-	-	-	-	-	-
Oilseeds.....	386.73	148.13	38.30	725.02	329.35	45.43
Neug.....	-	-	-	-	-	-
Linseed.....	-	-	-	-	-	-
Groundnuts.....	40.42	13.10	32.40	265.86	123.63	46.50
Sufflower.....	-	-	-	-	-	-
Sesame.....	345.79	148.32	42.89	*	*	*
Rapeseed.....	*	*	*	*	*	*

Table 10 Estimates of Forcast of Area, Production, Yield and their Standard Errors and Coefficients of Variation for Major Crops 2002/03 (1995 E.C.)

Harari Region

Crop	Area			Production		
	Hectares	S.E.	C.V	Quintals	S.E.	C.V.
TOTAL	6,990.53	605.53	8.66	52,344.86	7,495.09	14.32
Cereals.....	5,522.06	443.86	8.04	42,415.21	6,853.37	16.16
Teff.....	*	*	*	*	*	*
Barley.....	*	*	*	*	*	*
Wheat.....	83.90	35.55	42.37	*	*	*
Maize.....	767.67	58.03	7.56	8,101.36	2,019.76	24.93
Sorghum.....	4,644.34	411.32	8.86	33,414.49	4,886.71	14.62
Finger millet.....	-	-	-	-	-	-
Oats/'Aja'.....	*	*	*	*	*	*
Rice.....	-	-	-	-	-	-
Pulses.....	20.14	6.39	31.75	67.58	23.28	34.45
Horse beans.....	*	*	*	*	*	*
Field peas.....	-	-	-	-	-	-
Haricot beans.....	17.40	6.37	36.59	58.75	22.71	38.66
Chick-peas.....	*	*	*	*	*	*
Lentils.....	-	-	-	-	-	-
Vetch.....	-	-	-	-	-	-
Soya beans.....	-	-	-	-	-	-
Fenugreek.....	*	*	*	*	*	*
Gibto.....	-	-	-	-	-	-
Oilseeds.....	1,448.33	318.64	22.00	9,862.07	2,685.10	27.23
Neug.....	-	-	-	-	-	-
Linseed.....	-	-	-	-	-	-
Groundnuts.....	1,418.04	303.19	21.38	9,718.83	2,661.77	27.39
Sufflower.....	-	-	-	-	-	-
Sesame.....	*	*	*	*	*	*
Rapeseed.....	-	-	-	-	-	-

S.E = Standard Error
 C.V = Coefficient of Variation
 - = Insignificant or Not available

Table 11 Estimates of Forcast of Area, Production, Yield and their Standard Errors and Coefficients of Variation for Major Crops 2002/03 (1995 E.C.)

Addis Ababa Adminstration

Crop	Area			Production		
	Hectares	S.E.	C.V	Quintals	S.E.	C.V.
TOTAL	23,899.05	2,111.02	8.83	231,432.52	20,718.23	8.95
Cereals.....	18,849.68	1,613.16	8.56	186,919.30	17,329.06	9.27
Teff.....	9,236.76	927.38	10.04	76,485.14	8,886.35	11.62
Barley.....	*	*	*	*	*	*
Wheat.....	8,836.30	965.10	10.92	105,519.65	11,644.83	11.04
Maize.....	73.98	22.34	30.19	104.56	46.81	44.77
Sorghum.....	*	*	*	*	*	*
Finger millet.....	-	-	-	-	-	-
Oats/'Aja'.....	29.25	10.44	35.69	279.92	116.75	41.71
Rice.....	-	-	-	-	-	-
Pulses.....	5,017.47	549.63	10.95	44,462.62	4,969.00	11.18
Horse beans.....	307.13	67.71	22.05	1,758.28	525.10	29.86
Field peas.....	70.72	33.41	47.24	*	*	*
Haricot beans.....	*	*	*	*	*	*
Chick-peas.....	2,663.54	315.86	11.86	27,084.41	3,021.34	11.16
Lentils.....	368.97	73.26	19.85	1,183.49	230.14	19.45
Vetch.....	1,199.82	187.44	15.62	12,884.68	2,341.92	18.18
Soya beans.....	-	-	-	-	-	-
Fenugreek.....	407.18	51.21	12.58	950.26	173.45	18.25
Gibto.....	-	-	-	-	-	-
Oilseeds.....	31.90	15.56	48.77	50.60	24.55	48.51
Neug.....	-	-	-	-	-	-
Linseed.....	*	*	*	*	*	*
Groundnuts.....	-	-	-	-	-	-
Sufflower.....	-	-	-	-	-	-
Sesame.....	-	-	-	-	-	-
Rapeseed.....	3.38	1.38	40.75	14.87	5.50	36.98

Table 12 Estimates of Forcast of Area, Production, Yield and their Standard Errors and Coefficients of Variation for Major Crops 2002/03 (1995 E.C.)

Dire Dawa Adminstration

Crop	Area			Production		
	Hectares	S.E.	C.V	Quintals	S.E.	C.V.
TOTAL	6,803.79	622.31	9.15	41,024.22	4,683.69	11.42
Cereals.....	6,457.21	583.68	9.04	40,085.87	4,620.38	11.53
Teff.....	-	-	-	-	-	-
Barley.....	*	*	*	*	*	*
Wheat.....	*	*	*	*	*	*
Maize.....	477.14	88.29	18.50	2,282.95	564.12	24.71
Sorghum.....	5,962.82	577.79	9.69	37,723.63	4,490.87	11.90
Finger millet.....	-	-	-	-	-	-
Oats/'Aja'.....	*	*	*	*	*	*
Rice.....	-	-	-	-	-	-
Pulses.....	297.03	75.86	25.54	779.55	198.87	25.51
Horse beans.....	-	-	-	-	-	-
Field peas.....	-	-	-	-	-	-
Haricot beans.....	294.05	76.21	25.92	771.95	199.66	25.86
Chick-peas.....	-	-	-	-	-	-
Lentils.....	-	-	-	-	-	-
Vetch.....	-	-	-	-	-	-
Soya beans.....	-	-	-	-	-	-
Fenugreek.....	*	*	*	*	*	*
Gibto.....	-	-	-	-	-	-
Oilseeds.....	49.55	24.33	49.10	158.80	65.64	41.34
Neug.....	-	-	-	-	-	-
Linseed.....	-	-	-	-	-	-
Groundnuts.....	*	*	*	140.36	65.50	46.66
Sufflower.....	-	-	-	-	-	-
Sesame.....	*	*	*	*	*	*
Rapeseed.....	-	-	-	-	-	-

S.E = Standard Error
 C.V = Coefficient of Variation
 - = Insignificant or Not available

APPENDIX III

The 2002/03 (1995 E.C) Crop Production Forecast Sample Survey,
Number of Planned and Actually Covered Sampling Units
(EAs and Households)

Appendix III Number of Planned and Actually Covered Sampling Units (EAs & Households) For
the 2002/03(1995 E.C) Crop Production Forecast Sample Survey

Region Zones and Special Weredas	Enumeration Areas		House holds		Total Number of Fields Measured	
	Sampled	Covered	Sampled	Covered	Parcels	Fields
National	2040	2003	51000	49836	192763	414451
Tigray Region	164	159	4100	3964	16786	31676
North Western Tigray	32	32	800	800	3210	6449
Central Tigray	36	36	900	900	4172	7555
East Tigray	32	31	800	774	3362	7806
South Tigray	36	33	900	825	4019	5857
Western Tigray	28	27	700	665	2023	4009
Afar Region	56	54	1400	1345	2811	4803
Zone 1	28	26	700	668	1365	2104
Zone 3	28	28	700	677	1446	2699
Amhara Region	396	385	9900	9622	53700	86383
North Gonder	40	40	1000	1000	5550	8057
South Gonder	40	39	1000	975	6010	8634
North Wolo	40	38	1000	950	4752	7670
South Wolo	48	46	1200	1150	7328	11482
North Shewa(Amhara)	40	40	1000	1000	6858	13266
East Gojam	44	41	1100	1025	5379	8211
West Gojam	44	44	1100	1100	6440	9659
Waghamera	32	29	800	723	3749	5464
Agewawie	36	36	900	899	4373	7672
Oromia	32	32	800	800	3261	6268
Oromia Region	504	500	12600	12329	53585	109911
West Welega	40	40	1000	1000	5239	10416
East Welega	36	36	900	900	3637	7750
Illibabor	36	36	900	900	3766	9063
Jimma	44	44	1100	1100	5045	12998
West Shewa	36	36	900	900	4238	8849
North Shewa(Oromia)	36	36	900	900	5637	8713
East Shewa	40	40	1000	999	4332	9004
Arsi	44	44	1100	1099	5504	9994
West Harerge	36	35	900	875	3041	5563
East Harerge	44	43	1100	1075	3930	6791
Bale	36	34	900	690	2770	5501
Borena	40	40	1000	992	2325	6168
South West Shewa	36	36	900	899	4121	9101
Somale Region	84	84	2100	2089	5003	9215
Shinele	24	24	600	599	1177	1809
Jijiga	32	32	800	798	2475	5340
Liben	28	28	700	692	1351	2066

**Appendix III Number of Planned and Actually Covered Sampling Units (EAs & Households) For
the 2002/03(1995 E.C) Crop Production Forecast Sample Survey**

Region Zones and Special Weredas	Enumeration Areas		House holds		Total Number of Fields Measured	
	Sampled	Covered	Sampled	Covered	Parcels	Fields
Benshangul-Gumuz Region	84	84	2100	2086	8224	13305
Metekel	28	28	700	690	2703	4594
Asosa	28	28	700	700	3203	4896
Kemeshi	28	28	700	696	2318	3815
(S.N.N.P.R) Region	624	622	15600	15529	42581	140517
Gurage	36	36	900	900	2104	9679
Hadiya	32	32	800	800	2178	11490
Kembata Tembaro	32	32	800	800	1963	10318
Sidama	44	44	1100	1094	3055	8706
Gedio	32	32	800	799	2445	4172
Wolayita	36	36	900	897	1712	11442
South Omo	32	32	800	798	1913	4099
Shaka	28	28	700	700	2429	5621
Kaffa	32	32	800	797	2235	6976
Gamo Gofa	36	36	900	896	2735	6942
Bench-Maji	32	32	800	800	1937	5466
Yem Special Wereda	24	24	600	600	3120	8651
Amaro Special Wereda	24	22	600	550	1495	4232
Burji Special Wereda	24	24	600	600	1971	3973
Konso Special Wereda	24	24	600	599	2024	2750
Derashe Special Wereda	24	24	600	600	1538	2606
Dawro	32	32	800	800	1372	7072
Basketo Special Wereda	24	24	600	600	1334	5839
Konta Special Wereda	24	24	600	599	1106	6424
Seltie	28	28	700	700	2352	7919
Alaba Special Wereda	24	24	600	600	1563	6140
Gambella Region	56	43	1400	1075	3031	7404
Zone 1	28	15	700	375	805	1694
Zone 2	28	28	700	700	2226	5710
Harari Region	24	24	600	598	2325	3203
Addis Ababa Adminsytration	24	24	600	599	2688	5268
Dire Dawa adminstration	24	24	600	600	2029	2766

RURAL

Crop Production Sample Survey
List of Fields Under Temporary Crops (Including Vegetables and Root Crops) and Agricultural Practices
(Mehere Season) - 2002/03 (1995 E.C.)

Part I- IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11
Region	zone	Woreda	Peasants Association	Enumeration Area	Household Number		Holder		Type of Holding	
							Name	Age	Sex	Crop → 1
									→ 1	Livestock → 2
									→ 2	Both → 3

Part II - Area Under Temporary Crops and Agricultural Practice

Sr. No.	Questions	3			4			5			6		
		Parcel No.	Field No.	crop name	Parcel No.	filed NO.	crop name	Parcel No.	filed NO.	crop name	Parcel No.	filed NO.	crop name
0 1	Type of Holding Private → 1 Others → 3 Rented /contract → 2												
0 2	Crop Area in local unit	Name	code	Area	Name	code	Area	Name	code	Area	Name	code	Area
0 3	Have the field been included in the extension Package program Yes → 1 No → 2												
0 4	Was the field irrigated? Yes → 1 No → 2												
0 5	Variety of seeds used Improved → 1 Indigenes → 2												
0 6	(For Cereals,Pulses and Oil seeds only) If indigenes seed was used, What was the total quantity	Kg.	Gram		Kg.	Gram		Kg.	Gram		Kg.	Gram	
0 7	(For Cereals,Pulses and Oil seeds only) If improved seed was used, what was the total quantity	Kg.	Gram		Kg.	Gram		Kg.	Gram		Kg.	Gram	
0 8	(For Cereals,Pulses and Oil seeds only) If improved seed was used what was the cost /price	Birr	cent		Birr	cent		Birr	cent		Birr	cent	
0 9	Was the crop Damaged Yes → 1 No → 2												
1 0	If yes, what was the major cause of damage	Reason	code		Reason	code		Reason	code		Reason	code	
1 1	Percentage of damage												
1 2	Any control/protection measures taken for crop damage? Yes → 1 No → 2												
1 3	If yes, what Type of measure? Chemical → 1 Both → 3 Non chemical → 2												
1 4	If chemical Insecticide → 1 1&3 → 5 Herbicide → 2 2&3 → 6 Fungicide → 3 All → 7 1&2 → 4												
1 5	Was the field fertilized? Yes → 1 No → 2												
1 6	If fertilized what type ? Natural → 1 Both → 3 Chemical → 2												
1 7	One main reason for not using chemical fertilizer	Reason	Code		Reason	Code		Reason	Code		Reason	Code	
1 8	If chemical fertilizer used 18.1 Type Urea → 1 Both → 3 Dap → 2 18.2 Quantity in K.g	Kg.	Gram		Kg.	Gram		Kg.	Gram		Kg.	Gram	
1 9	If natural fertilizer used mainly What type? Manure → 1 Fish → 3 compost → 2 Others → 4 /ታሪ 4 ከተሞላ በባሉ ቦታው ይገልጻል/ / if others specify/ →												

Crop Production Sample Survey
List of Fields Under Mixed Crops and their Agricultural Practices
(Mehere Season) - 2002/03 (1995 E.C.)

Part I- IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11
Region	Zone	Werada	Farmers' Association	Enumeration Area	Household Number	Holder Number	Holders'			Type of Holding Crop → 1 Livestock → 2 Both → 3
							Name	Age	Sex male → 1 female → 2	

Part II - Area Under Mixed Crops and Agricultural Practice

1	2	3			4		
		Parcel No.	Field No.		Parcel No.	Field No.	
Questions		Crop Name	Corp Name	Crop Name	Corp Name	Corp Name	Corp Name
		code	code	code	code	code	code
0	1 Type of Holding Private → 1 Others → 3 Rented/contract → 2						
0	2 Total mixed crop area in local unit	Name of Local Unit	code	Area	Name of Local Unit	code	Area
0	3 Was the field been included in the extension package program Yes → 1 No → 2						
0	4 Area in percentag share for Each crop						
0	5 Number of trees for permanent Crop	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity
0	6 Number of trees of fruit of permanent crop	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity
0	7 was the field irrigated yes → 1 No → 2						
0	8 Variety of seeds used Improved → 1 Indigious → 2						
	If indigious seed was used what was the quantity	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram
	If improved seed was used, what was the quantity	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram
1	0 If improved seed was used what was the cost/price	Birr sent	Birr sent	Birr sent	Birr sent	Birr sent	Birr sent
1	2 was the crop Damaged Yes → 1 No → 2						
1	3 If, yes, what was the major cause of Damage	Reason Code	Reason Code	Reason Code	Reason Code	Reason Code	Reason Code
1	4 percentage of Damage						
1	5 Any control/ preventive measure Taken for crop damage → 1 → 2						
1	6 if yes, what type of measure Chemical → 1 Both → 3 Non-chemical → 2						
1	7 if chemical insecticide Insecticide → 1 1&3 → 5 Herbicide → 2 2&3 → 6 Fungicide → 3 All → 7 1&2 → 4						
1	8 Was the field fertilized yes → 1 No → 2						
1	9 if fertilized what type? Natural → 1 Both → 3 Chemical → 2						
2	0 One main Reson for not using Chemical fertilizer	Reason	Code	Reason	Code	Reason	Code
2	1 if chemical fertilizer used 21.1 Type Urea → 1 Both → 3 Dap → 2 21.2 መጠን የተሰጠው ብድር Quantity in kg	Kg. Gram		Kg. Gram		Kg. Gram	
2	2 If natural fertilizer used mainly what type Manure → 1 Both → 3 Compost → 2 Others → 4 / if others specify/						

Crop Production Sample Survey
List of Fields Under Permanent Crops and their Agricultural Practices
(Mehera Season) - 2002/03 (1995 E.C.)

Part I IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11
Region	Zone	Wereda	Farmers' Association	Enumeration Area	Household Number	Holder Number	Name	Age	Sex Male → 1 Female → 2	Type of Holding Crop → 1 Livestock → 2 Both → 3

Part II - Area Under Permanent Crops and Agricultural Practice

1	2	3	4	5	6	7	8	9	10	11		
Question	parcel	Field	Crop Name	parcel	Field	Crop Name	parcel	Field	Crop Name	parcel	Field	Crop Name
	No	No		No	No		No	No		No	No	
	Name	Date	Area	Name	Date	Area	Name	Date	Area	Name	Date	Area
	Quantity	Quantity		Quantity	Quantity		Quantity	Quantity		Quantity	Quantity	
	Reason	Reason		Reason	Reason		Reason	Reason		Reason	Reason	
	Scale	Scale		Scale	Scale		Scale	Scale		Scale	Scale	
0 1 Type of Holding (Private → 1 Other → 3 Rented/contract → 1)												
0 2 Crop Area in Local unit												
0 3 Has the field been included in the extension package program Yes → 1 No → 2												
0 4 Total number of trees in the field. (Excluding Coffea, Citrus, Pinapples, Sugar cane)												
0 5 Number of trees of fruit bearing age (Excluding Coffea, Citrus, Pinapples, Sugar cane)												
0 6 Was the field irrigated Yes → 1 No → 2												
0 7 Variety of seeds used Improved → 1 Indigenous → 2												
0 8 Was the crop Damaged Yes → 1 No → 2												
0 9 If yes, what was the major cause of damage												
1 0 Percentage of Damage												
1 1 Any cost of prevention measure taken for crop Damage Yes → 1 No → 2												
1 2 Chemical → 1 Both → 3 Non chemical → 2												
1 3 If chemicals Insecticide → 1 1&3 → 5 Herbicide → 2 2&3 → 6 Fungicide → 3 All → 7 1&2 → 4												
1 4 Was the field fertilized Yes → 1 No → 2												
1 5 If fertilized what type? Natural → 1 Both → 3 Chemical → 2												
1 6 Reason for not using chemical fertilizer												
1 7 If chemical (commercial) fertilizer used												
17.1 Type Urea → 1 Both → 3 Dap → 2												
17.2 Quantity in Kg.												
1 8 If natural fertilizer used mainly what type? Manure → 1 Both → 3 Compost → 2 Others → 4 If others specify _____												

RURAL

Form CPFSS -95/3D

Crop Production Sample Survey

**List of Fields Under Other Land Use (Fields not occupied by any type of Crop)
(Mehere Season) - 2002/03 (1995 E.C.)**

part I- IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11
Region	Zone	Wereda	Farmer's Association	Enumeration Areas	Household Number	Holder Number	Holder's			Type of Holding
							Name	Age	Sex	
								male → 1	Crop →	1
								Female → 2	Crop →	2
									Crop →	3

Part II - Other Land UTILIZATION and Local Area Measurement units

1	2	3	4	5	6	7	8	9	10
sr. NO.	Parcel	Land Use	Type of Land use	code	Type of owner ship		Area in Local unit		
					Private → 1	Rented/contrat → 2	Other → 3	code	Local unit NAME
0	1								
0	2								
0	3								
0	4								
0	5								
0	6								
0	7								
0	8								
0	9								
1	0								

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RURAL

Form CPFSS -95/3D

Rural

Crop Production Sample Survey Area under Crop Fields and Other Land Uses (1995 E.C)

Part 1: Identification Particular

1	2	3	4	5	6	7	8
Killi	Zone	Wereda	FA	EA	Household ID NU	Holder ID.No.	Name of Holder

9	10	11	12	13	14	15	16
Parcel No.	Field No.	Field Under Temp/Veg/Root Crops → 1	SR. No.	Name of Crop Type of Land use	If in col.11 code 1,2 or 3		If mixed Preparation Of Area under Each crop
		Permanent → 2			Quantity of prod. In Local unit		
		Mixed → 3			Identification particulars		
		Other land use → 4			code	Name	
		code					

Part II. Area Measurement Result

1	2	3	4	5
Date of measurement	Area in Sq.m.	Area in Local Units		Reason if area Measurement not conducted
		Name of Local Area Unit	Area	
Date	Month	code		Code

Part III. Bearing and Distances of the Measured Area

Side ID	A-B	B-C	C-	D-	E-	F-	G-
Bearing							
Distance of							
Side ID	H-	I-	J-	K-	L-	M-	N-
Bearing							
Distances of							
Side ID	O-	P-	Q-	R-	S-	T-	U-
Bearing							
Distance of							

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