FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA

CENTRAL STATISTICAL AUTHORITY

CROP PRODUCTION FORECAST SAMPLE SURVEY
2003/04 (1996 E.C.)
(September 11-October 10,2003)

REPORT ON
FORECAST OF AREA AND PRODUCTION OF MAJOR CROPS

(For Rural Private Peasant Holdings)

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REPORT ON
FORECAST OF AREA AND PRODUCTION OF MAJOR CROPS

(For Rural Private Peasant Holdings)

Addis Ababa
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INTERMEDIATE

CHAPTER I

BACKGROUND

1.1 Introduction

Among the adverse conditions liable to early warning system such as plague, flood, and earthquake… etc. drought is a long aged and the most frequent adversity in Ethiopia. Even though the history of drought and the resulting famine is not systematically documented, even as a despline of history in Ethiopia, it is believed that it goes back to the era of before the birth of Christ. According to C.A. Wood, however, the chronogically-documented history of drought and related famine goes back to 11^{rh} century. Since then quite a number of drought years that do not reveal any cyclicity or periodicity have passed.

Nevertheless, since meteorological recoding began in Ethiopia, rainfall data reveals that years of lean rainfall tends to repeat themselves every seven to ten years, which usually referred as years of poor harvest, consequently drought is believed to follow the same pattern.

In recent years, however, the situation in Ethiopia is dramatically changing. Drought has shortened its cycle and increased its frequency, to the level it repeats itself every two years, and some times every other year. The drought has not only shortened its cycle but also increased its area coverage and size of victim population at each drought year. It is worth mentioning to mention the year 2002/03 (1995E.C) drought that has affected a population of 10-14 million and quite a substantial number of livestock of the country. Thus the situation

mentioned calls for close and continuous monitoring and assessment of the total food supply of the country on seasonal basis.

In Ethiopia, therefore, 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 2003/04 (1996 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, 1996 E.C.).

This report is therefore, presents basic information on the area and production of major crops production forecast for the coming 2003/04 (1996 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 2003/04 (1996 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 2003/04 (1996 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

Like the year before, the 2003/4 (1996 E.C) annual Crop Production Forecast Sample Survey covered the rural population in all the regions of the country except the non-sedentary population of three zones of Afar and six zones Somali regions.

Initially, to be covered by the survey, a total of 2,072 enumeration areas (EAs) were selected. However, due to various reasons that are beyond control, in 53 EAs the survey could not be successful and hence interrupted. Thus, all in all the survey succeeded to cover 2,019 EAs (97.4%) throughout the regions. The Crop Production Forecast Sample survey was conducted on the basis of 10 agricultural households selected from each EA. Regarding the ultimate sampling units, it was intended to cover 20,720 agricultural households, however, only 20183 (97.4 %) were actually covered by the survey.

2.2 SAMPLE DESIGN

A two stage stratified sample design was used to select the sample in which the primary sampling units (PSUs) were enumeration areas. Except Harari, Addis Ababa and Dire Dawa, where the region as a whole is considered to be the domain of estimation, each zone of a region / special wereda that is considered to be a zone by itself was adopted as a stratum for which major findings of the survey are reported. For the details of the number of strata in each region see Summary Table II.1 below.

Summary Table II.1 Total and Covered Zones / Strata By Region

Region	Number of Zones / Strata	
	Total	**Covered**
Tigray	5	5
Afar	5	2
Amhara	10	10
Oromia	14	14
Somali	9	3
Benishangul-Gumuz	3	3
S.N.N.P.R.	21	21
Gambella	2	2
Harari*	1	1
Addis Ababa*	1	1
Dire Dawa*	1	1
Total	**72**	**63**

* = *Values for these regions refer to the number of strata*

Sample enumeration areas from each stratum were sub samples of the 2001/2 (1994 E.C) Ethiopian Agricultural Sample Enumeration. They were selected systematically using probability proportional to size; size being number of agricultural households obtained from the 1994 Population & Housing Census and adjusted for the sub sampling effect. Within each sample EA a fresh list of households was prepared and 10 agricultural households from each primary sampling unit were selected at the second stage. The survey questionnaire is finally administered for those 10 agricultural households selected at the second stage. Estimation procedure of totals, ratios, sampling error and the measurement

of precision of estimates are given in Appendix I and II respectively. Distribution of sampling units (sampled and covered) by strata is also presented in Appendix III.

3. Field Organization

In order to systematically and efficiently accomplish the data collection activities of the 2003/04 (1996 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 2003/04 (1996 E.C.) Crop Production Forecast Sample Survey operations. For conducting the survey, a total of 2193 (including 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 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, 71 trainees from the CSA professional staff were trained for 8 days at CSA headquarters. Those trained in the first stage conducted similar training for about 447 field supervisors and 2193 field enumerators for two weeks 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 2003/04 (1996 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, however, since such exercise has not been carried-out last Meher season as a result crop yield estimate for last year is not available. Hence, in this particular case the previous (1994 E.C.) year data was taken as the second component of production model. 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 2003/04 (1996 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 half day 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 55 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 4 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 68 data encoders, 6 data encoder supervisors, 8 data cleaning operators and 68 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

-----HIGH LIGHTS-----

ON THE MAJOR FINDINGS OF THE RESULTS OF THE YEAR 2003/04 (1996 E.C.) CROP PRODUCTION FORECAST SURVEY

1. Introduction

In a country with dominating agrarian economy like Ethiopia, food security is one of the most important objectives to be attained by the agriculture system. In Ethiopia, 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.

Thus, the existing fragile agriculture in general and the food crop production activity in particular 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 2003/2004 (1996 E.C) Crop Production

Forecast Sample Survey carried-out during September 2003 at country level. Following are given the discussions on the major findings of the survey results.

2. THE PROSPECT OF GRAIN CROPS (CEREAL, PULSES AND OILSEEDS) OF THE COMING 2003/04 MEHER SEASON HARVEST

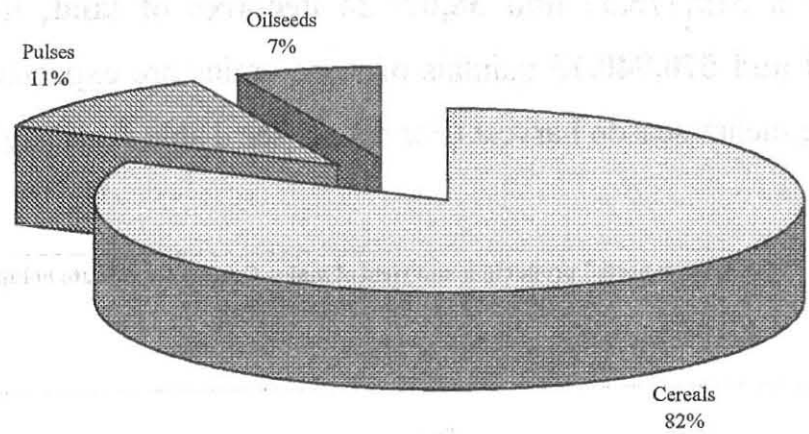
The results of the year 2003/04 (1996 E.C.) Crop Production Forecast Survey indicate that a total land area of about **8,447,990.79 hectares** are covered by **grain crops constituting cereals, pulses and oilseeds**, from which a total volume of about **117,469,445.72 quintals of grains** are expected to be produced in the 2003/2004 harvest year (See Summary Table III.1).

Table III.1 Area and Expected Production of Grains (Cereals, Pulses and Oilseeds) for Private Holdings, 2003/04(1996 E.C.), Meher Season

Crop Type	Area		Production	
	In 000 Has.	%	In 000 Qts.	%
Cereals	**6,959,751.21**	**81.96**	**104,169,160.01**	**88.68**
Pulses	**954,323.86**	**11.24**	**10,190,348.84**	**8.67**
Oilseeds	**577,884.20**	**6.81**	**3,109,936.87**	**2.65**
Total Grains	**8,491,959.26**	**100.00**	**117,469,445.72**	**100.00**

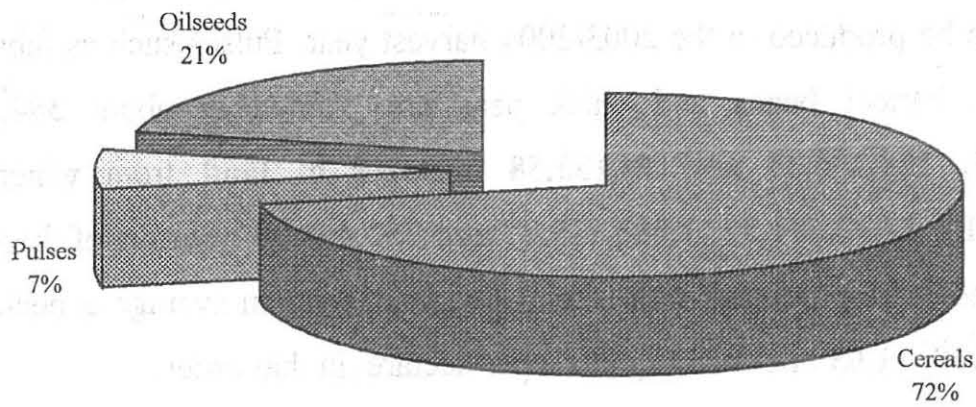
Out of these totals cultivated cropland area and expected volume of grain production, **6,959,751.21 hectares are accounted for cereals** (81.96 % of the total area under grain) from which about **104,169,160.01 quintals** (88.68 % of the total grain production) are expected to be produced for this year's Meher harvest season (See Fig. 1 and Fig.2).

Fig 1. Estimates of Area Under Major Food CropsFor private Peassant Holding for the Current Meher Season Harvest,2003/04 (1996 E.C.)



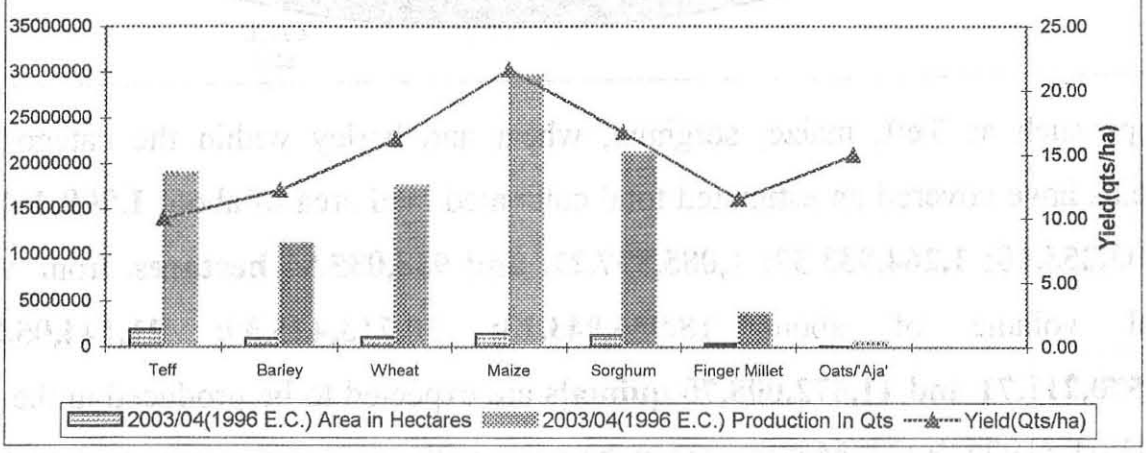
Crops such as Teff, maize, sorghum, wheat and barley within the category of cereals have covered an estimated total cultivated land area of about **1,908,461.46; 1,403,253.18; 1,264,933.37; 1,085,837.27; and 938,035.85 hectares,** from which total volume of about **18,986,943.13; 30,713,475.39; 21,144,053.41; 17,570,211.71 and 11,472,008.70 quintals** are expected to be produced in the year 2003/04 (1996 E.C.) Meher season harvest, with an average expected yield of 9.95; **21.89; 16.72; 16.18 and 12.23 qts/ha,** in that order. For details see Fig 3.

Fig 2. Forecast of Expected Production of Major Food Crops For private holdings For the current Meher Season Harvest,2003/04 (1996 E.C.)



The remaining cereal crops, i.e. **finger millet and oats/Aja** currently covered a total of a bout **319,775.37 and 38,077.24 hectares of land**, from which about **3,685,566.02 and 570,940.13** quintals of these grains are expected to be produced in the coming meher season harvest (For details see Table 1 and fig 3).

Fig. 3 Area, expected production and yield of major Cereals for private holdings, 2003/04(1996 E.C.)Meher Season.



Pulses which refers to legume food crops currently planted on about **954,323.86 hectares** of land (11.24% of the total land area under grains) from which about **10,190,348.84 quintals** (8.67% of the total expected grain production) are expected to be produced in the 2003/2004 harvest year. Pulses such as faba beans, field peas, haricot beans and chick peas are planted in about **384,018.45; 208,759.33; 180,206.33 and 74,133.58 hectares of land** from which about **4,780,058.10; 1,732,671.37; 1,988,119.07 and 752,468.98 quintals** of these grains are expected to be produced in the coming harvest, with an average expected yield of **12.45, 8.30, 11.03 and 10.15** quintals per hectare, in that order.

Summary Table III.2 Forecast of 2003/04(1996 E.C.) Area and Production of Grain Crops For Private Peasant Holdings, Meher Season

Region/ Killil	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Tigray	535874.29	566863.89	589328.59	9.98	3.96	6378199.77	4933481.57	8465490.44	32.73	71.59
Afar	8536.05	7466.12	9104.57	6.66	21.95	76279.25	40532.54	107902.25	41.46	166.21
Amhara	2880425.12	2894219.15	2990217.41	3.81	3.32	32913797.46	23131679.96	34108797.76	3.63	47.45
Oromia	3463968.53	3508690.94	3865320.31	11.59	10.16	48949524.89	37000783.61	62134207.29	26.94	67.93
Somali	58880.84	64367.18	69414.16	17.89	7.84	723018.07	512096.48	936270.61	29.49	82.83
S.N.N.P	687585.38	623471.80	769428.70	11.90	23.41	8249115.32	6185968.21	9246313.66	12.09	49.47
Benshangul-Gumuz	135869.31	149249.00	153468.98	12.95	2.83	1571113.90	1464793.78	1876496.02	19.44	28.11
Gambella	8337.75	7472.82	9391.40	12.64	25.67	145743.43	100314.17	162489.72	11.49	61.98
Harari	5899.62	6990.53	7971.31	35.12	14.03	56063.34	52344.86	81361.18	45.12	55.43
Addis Ababa	20980.58	23899.05	21106.66	0.60	-11.68	207441.87	231432.52	219378.05	5.75	-5.21
Dire Dawa	6663.89	6803.79	7207.17	8.15	5.93	91460.05	41024.22	130738.74	42.95	218.69
Country Level (Total)	7813021.38	7859494.27	8491959.26	8.69	8.05	99361778.99	73694451.92	117469445.72	18.22	59.40

According to the results, the crop production forecast survey of the year 2003/04 (1996 E.C.), oilseeds which are rich in carbohydrates are grown on land area estimated at **577,884.20 hectares** (6.81% of the total land area under grains) from which about **3,109,936.87** quintals are expected to be produced in this year's Meher harvest season. Crops such as Neug, linseed, groundnut, and, sesame within the category Oilseeds have covered **267,168.59; 170,689.27; 21,053.95 and 89,412.20 hectares of land**, from which about **1,137,178.00; 872,751.15; 207,171.34 and 596,014.32 quintals** of these crops with an average expected yield ranging from 9.84 qt/ha for ground nut to 4.26 qt/ha for, Neug , respectively, (See Table 1).

3. COMPARISON OF THE MAJOR FINDINGS OF THE 2003/04 (1996 E.C.) CROP PRODUCTION FORECAST SURVEY WITH 2001/2002 POST HARVEST AND 2002/03 (1995 E.C.) CROP PRODUCTION FORECAST SURVEY ESTIMATES.

A country like Ethiopia, where agriculture is the leading sector of its economy should give due attention to the performance of its agriculture in general, and food crop production activity in particular in terms of total volume of crop 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 this section of the report therefore an attempt has been made to compare the results of the 2003/04 (1996 E.C.) crop production forecast survey with that of the 2001/02 sample census estimates and 2002/03 Crop production Forecast estimates.

Summary Table III.3 Forecast of 2003/04(1996 E.C.) Area and Production of Cereals crops for Private Peasant Holdings, Meher Season

Region/ Killil	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Tigray	462525.86	487880.47	514235.60	11.18	5.40	5769783.57	4380208.57	7761828.90	34.53	77.20
Afar	8290.75	6539.51	8228.78	-0.75	25.83	75243.50	37950.82	101077.23	34.33	166.34
Amhara	2216029.07	2216114.07	2328452.87	5.07	5.07	27144178.82	18863755.31	28576750.47	5.28	51.49
Oromia	2911616.17	2900878.01	3198113.76	9.84	10.25	44260457.24	32823235.76	56561355.07	27.79	72.32
Somali	57040.60	63022.19	67906.81	19.05	7.75	714362.05	506954.95	928157.03	29.93	83.08
S.N.N.P	575655.43	502343.22	636738.32	10.61	26.75	7273190.58	5261676.55	8138060.18	11.89	54.67
Benshangul-Gumuz	103942.27	109191.16	108832.09	4.70	-0.33	1390289.62	1254861.04	1544340.36	11.08	23.07
Gambella	7876.60	7022.20	8396.61	6.60	19.57	144048.75	99189.54	159593.51	10.79	60.90
Harari	4624.92	5522.06	6342.84	37.14	14.86	43859.47	42415.21	65822.91	50.08	55.19
Addis Ababa	16077.97	18849.68	19556.96	21.64	3.75	163765.09	186919.30	205215.56	25.31	9.79
Dire Dawa	6425.90	6457.21	6879.96	7.07	6.55	89096.81	40085.87	126958.80	42.50	216.72
Country Level (Total)	6370105.57	6323819.80	6959751.21	9.26	10.06	87068275.50	63497252.90	104169160.01	19.64	64.05

Above all, such comparisons are believed to give a bird's eye view on the prospect of the coming 2003/04 (1996 E.C) Meher season harvest in terms of total crop area coverage and volume of expected production thereby evaluate its performance. 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. Therefore, brief discussions on the comparisons made at country and regional levels are presented as follows:

3.1 Country Level Comparisons

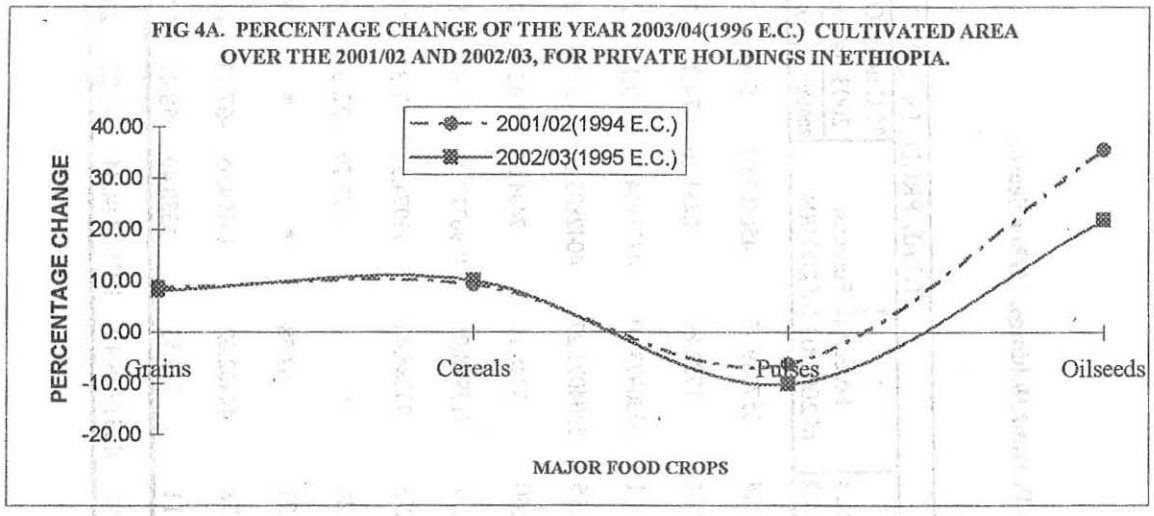
Due to the presence of adequate rain fall and favorable weather conditions in the current crop-growing season, the 2003/04 (1996 E.C.) crop production year is anticipated to recover from last year's poor harvest and even better than the year 2001/02 (1994 E.C) post harvest estimate. Therefore, the estimated total area under grain crops and the total volume of expected grain crop production of the year 2003/04 (1996 E.C.) Meher season have shown 8.69 % and 8.05 % increase in total land area covered by grains with 18.22% and 59.40% increase in total expected crop production as compared to the year 2001/02 post harvest and last year's forecast estimates of land under grains and production of these crops, respectively (See Table .1, Fig 4a and Fig 4b.).

For similar reasons mentioned above, the prospect of cereals in the coming Meher season harvest is also promising. As indicated in Table 1, The year 2003/04 both total cereal covered area and expected volume of production have shown 9.26% and 10.06% increase in area coverage of cereals with 19.64% and 64.05% increase

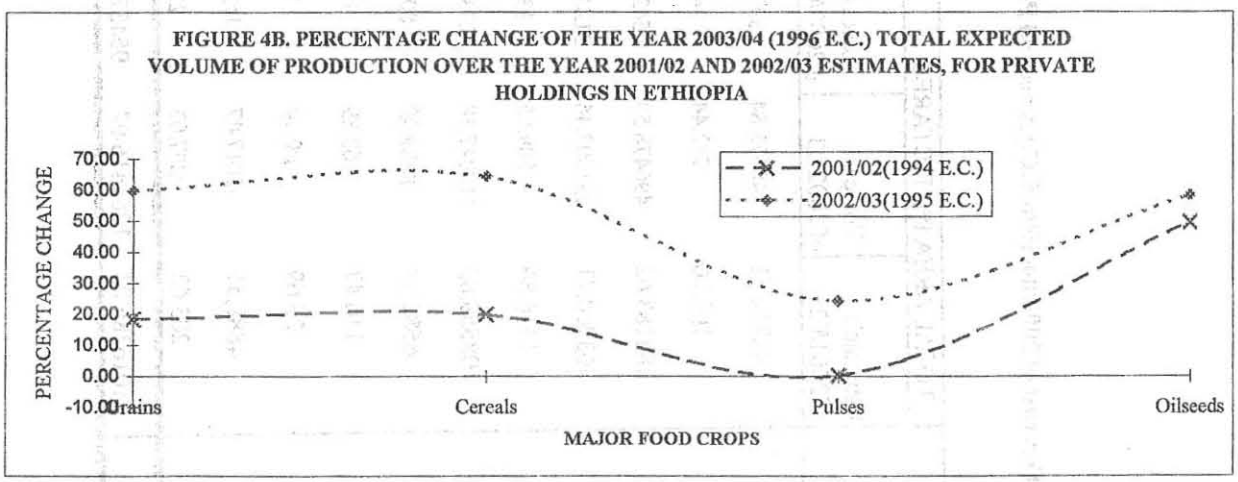
Summary Table III.4 Forecast of 2003/04(1996 E.C.) Area and Production of Pulses Crops for Private Peasant Holdings, Meher Season

Region/ Killil	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Tigray	42714.51	48673.84	39725.39	-7.00	-18.38	432963.34	357389.93	456407.03	5.41	27.71
Afar	103.20	712.44	412.93	300.13	-42.04	288.14	1783.89	2231.16	674.33	25.07
Amhara	488183.62	496478.59	454244.50	-6.95	-8.51	4920234.01	3530973.40	4471964.30	-9.11	26.65
Oromia	363960.71	381007.46	312395.80	-14.17	-18.01	3780677.15	3304071.27	4042885.64	6.94	22.36
Somali	1346.86	809.85	1375.51	2.13	69.85	6283.60	3748.23	7494.23	19.27	99.94
S.N.N.P	108559.86	119047.18	129388.93	19.19	8.69	964611.17	917968.01	1096227.81	13.64	19.42
Benshangul-Gumuz	6682.94	9289.09	8017.95	19.98	-13.68	60436.73	70084.40	95074.98	57.31	35.66
Gambella	116.47	63.89	101.09	-13.21	58.23	706.26	*	477.79	-32.35	*
Harari	25.69	20.14	22.71	-11.60	12.76	130.21	67.58	*	*	*
Addis Ababa	4888.55	5017.47	1524.56	-68.81	-69.61	43676.78	44462.62	14104.65	-67.71	-68.28
Dire Dawa	203.63	297.03	274.13	34.62	-7.71	2139.11	779.55	3388.49	58.41	334.67
Country Level (Total)	1016786.04	1061416.97	954323.86	-6.14	-10.09	10212146.50	8231728.49	10190348.84	-0.21	23.79

in total expected volume of crop production when compared with the year 2001/02 and 2002/03 estimates, respectively.



Similarly, except Teff and rice, all crops in the cereals category have shown a significant increase in terms of total land area coverage and volume of expected crop production with significant increase in the expected crop yield compared to the last two consecutive production years' estimates. For details see Table 1.

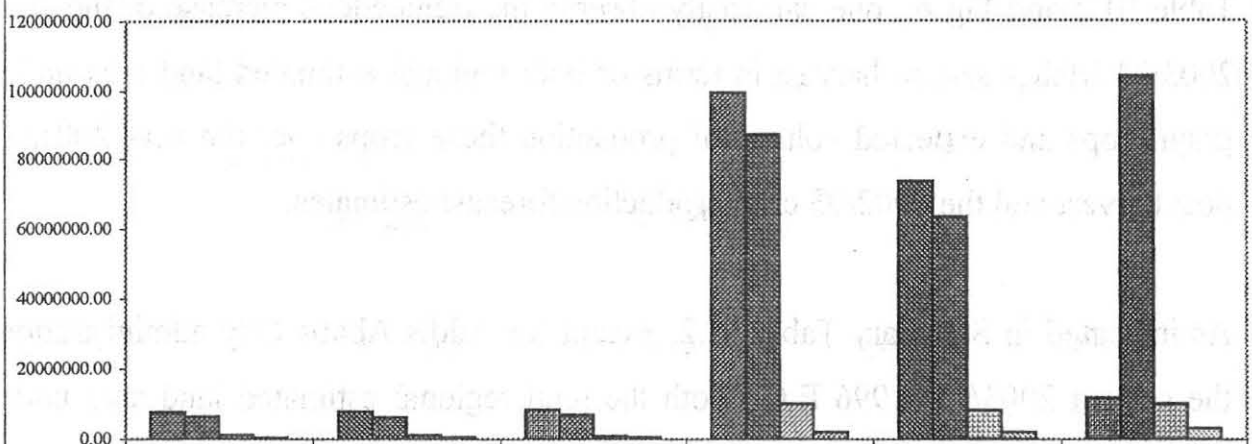


On the other hand, the current year total cultivated land area under pulses have shown some decrease which is about 6.14% and 10.09% in total land area under

pulses but with 0.16% and 24.26% increase in expected total volume of crop production when compared with 2001/02 and 2002/03 estimates, in that order.

Following the same pattern like that of cereals the total estimated area under oilseeds and expected volume of production of these crops the year 2003/04 (1996 E.C.) Meher season harvest are 35.61% and 21.85% higher in terms of land area under oilseeds, as well as 49.42% and 58.23% higher in terms of total expected production of these crops than the years' 2001/02 and 2002/03 estimates, respectively. For details see Table 1 and Fig 5.

Fig 5. forecast of 2003/04(1996 E.C.) Area expected production of major food crops by crop catagory for private hldings in Ethiopia.



	2001/02(1994 E.C.)	2002/03(1995 E.C.)	2003/04(1996 E.C.	2001/02(1994 E.C.)	2002/03(1995 E.C.)	2003/04(1996 E.C.
	Area cultivated in Hectares			Production in Quintals		
Grains	7813021.38	7859494.27	8491959.26	99361778.99	73694451.92	11749445.72
Cereals	6370105.57	6323819.80	6959751.21	87068275.50	63497252.90	104169160.01
Pulses	1016786.04	1061416.97	954323.86	10212146.50	8231728.49	10190348.84
Oilseeds	426129.77	474257.50	577884.20	2081356.99	1965470.52	3109936.87

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 2003/04 (1996 E.C.) Meher season with that of 2001/02 (1994 E.C.) post-harvest and 2002/02 (1995 E.C.) Crop production forecast estimates. The comparisons that are presented in the relevant summary tables are briefly discussed below.

3.2.1 Grain Crops

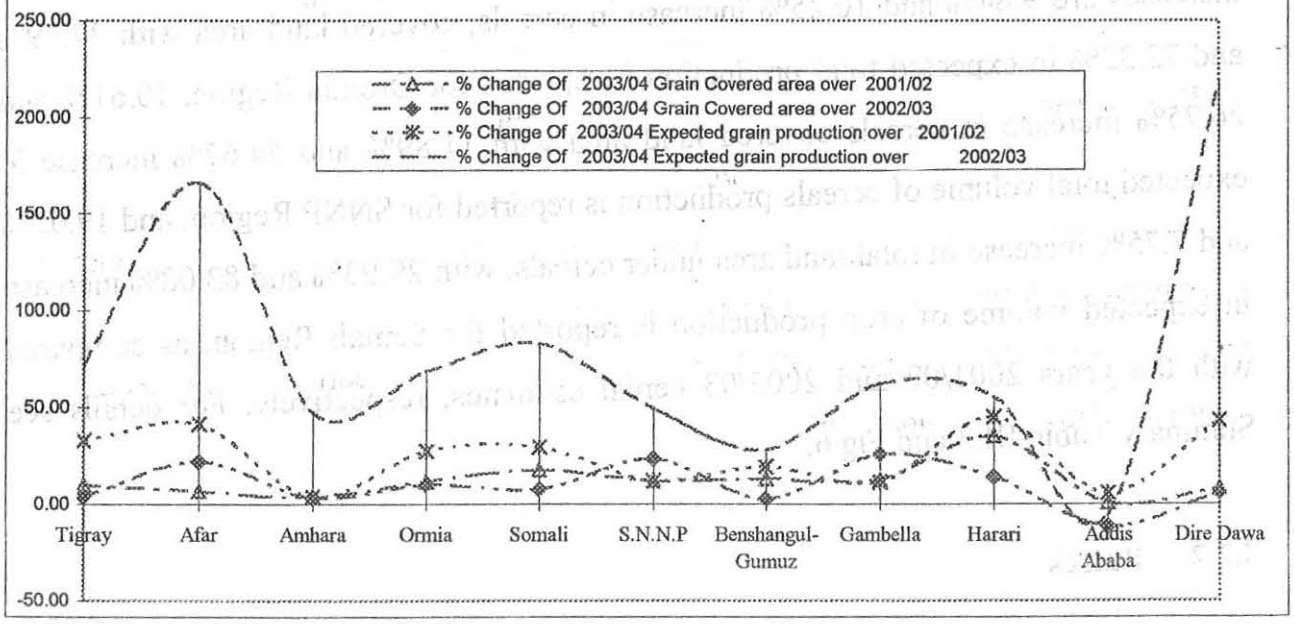
From a look at the current year's regional level grain crop total estimated cultivated land area and expected volume of production presented in summary Table III.2 and Fig 6., one can easily observe the tremendous increase of the year 2003/04 Meher season harvest in terms of both regional estimated land area under grain crops and expected volume of production these crops over the year 2001/02 post harvest and the 2002/03 crop production forecast estimates.

As indicated in Summary Table III.2, except for Addis Ababa City administration, the current 2003/04 (1996 E.C.) both the total regional estimated land area under grains and expected volume of crop production have shown substantial increase over the 2001/02 and 2002/03 regional estimates.

Among the regions, the highest increase is reported for Harari region with 35.12% and 14.03% in grain covered land area and 45.12% and 55.43% in expected total grain production, 12.64% and 25.67% increase in land area, with 11.49% and 61.98% increase in expected volume of crop production in Gambela Region,

11.90% and 23.41% increase in grain land area with 12.09% and 49.47% in expected total grain crop production for SNNPR, 17.89% and 7.84% increase in grain land area with 29.49% and 82.83% in expected total grain crop production for Somali Region, and 11.59% and 10.16% increase in grain land area with 26.94% and 67.93% in expected total grain crop production for Oromia Region, when compared with the years 2001/2002 and 2002/03 estimates, respectively. Nevertheless the smallest increase i.e. 3.81% and 3.32% in grain covered land area with 3.63% and 47.45% in expected total grain crop production compared to the years 2001/2002 and 2002/03 estimates, respectively, is reported for Amhara Region. For details see summary Table 2 and Fig 6.

Fig. 6 percentage changes of the year 2003/04 reginal estimated grain covered area and expected volume of production over the 2001/02 and 2002/03 estimates for private holdings in Ethiopia.



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 fact cereals are the most extensively grown crops in terms of both cropland area coverage and total volume of production of crops.

Therefore, comparisons of the regional forecast of the current year Meher season harvest with that of the previous year's estimates is of paramount importance to deal with all issues concerning the magnitude of the availability of cereals in advance.

From a short glance at the data presented in Summary Table III.3, one can easily conclude, the year 2003/04 Meher season harvest of total estimated area under cereals and expected volume of production at country level have exceeded the year 2001/02 post harvest and 2002/03 crop production forecast cereal estimates.

Although all regions are expected to have substantial increase in land area under cereals and expected total crop production during the current Meher season harvest, Oromia, SNNP, and Somali Regions reported to have the highest increase. These increases are 9.84% and 10.25% increase in cereals, covered land area with 27.79% and 72.32% in expected total production is reported for Oromia Region, 10.61% and 26.75% increase in cereals covered land area with 11.89% and 54.67% increase in expected total volume of cereals production is reported for SNNP Region, and 19.05% and 7.75% increase in total land area under cereals, with 29.93% and 83.08% increase in expected volume of crop production is reported for Somali Region, as compared with the years 2001/02 and 2002/03 cereal estimates, respectively. For details see Summary Table III.3 and Fig 6.

3.2.2 Pulses

Pulses are also among the major food crops, having considerable land area coverage and volume of crop production in the country's total food crops production. Comparison of the current year regional crop production forecast estimates of pulses with that 2001/02 post harvest and 2003/04 crop production forecast estimates is presented in Summary Table III.4.

Summary Table III.5 Forecast of 2003/04(1996 E.C.) Area and Production of Oilseeds Crops for Private Peasant Holdings, Meher Season

Region/ Killil	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Tigray	30633.92	30309.57	35367.59	15.45	16.69	175452.86	195883.07	247254.52	40.92	26.23
Afar	142.10	214.18	462.86	225.73	116.11	747.61	797.83	*	*	*
Amhara	176212.43	181626.49	207520.04	17.77	14.26	849384.63	736951.25	1060082.98	24.81	43.85
Oromia	188391.65	226805.46	291856.57	54.92	28.68	908390.50	873476.57	1529966.58	68.43	75.16
Somali	493.38	535.15	131.84	-73.28	-75.36	2372.42	1393.31	619.35	-73.89	-55.55
S.N.N.P	3370.09	2081.40	3301.45	-2.04	58.62	11313.57	6323.66	12025.67	6.29	90.17
Benshangul-Gumuz	25244.10	30768.75	36618.95	45.06	19.01	120387.55	139848.34	237080.68	96.93	69.53
Gambella	344.68	386.73	893.70	159.28	131.09	988.42	725.02	2418.43	144.68	233.57
Harari	1249.01	1448.33	1605.76	28.56	10.87	12073.66	9862.07	15445.50	27.93	56.62
Addis Ababa	14.06	31.90	25.13	78.73	-21.22	*	50.60	*	*	*
Dire Dawa	34.36	49.55	53.08	54.48	7.12	224.13	158.80	391.45	74.65	146.51
Country Level (Total)	426129.77	474257.50	577884.20	35.61	21.85	2081356.99	1965470.52	3109936.87	49.42	58.23

Unlike to that of cereals the 2003/04 (1996 E.C.) estimated area under pulses has declined when compared with last two consecutive production years. As indicated in the summary table, the highest decrease in the current year's regional total estimated land area under pulses are reported for Tigray, Oromia and Amhara Regions. The reported decrease for these regions ranges from 7% and 18% in current year land area under pulses for Tigray Region to 14% and 18% decrease for Oromia as compared to the year 2001/02 post harvest and 2002/03 crop forecast estimates, respectively.

On the other hand, the 2003/04 (1996 E.C.) regional expected production of pulses have shown relative increase when compared with the year 2001/02 and 2002/03 estimates. As indicated in the summary table, the highest increase in the current year regional total expected pulses production is reported for Somali, SNNP, Oromia and Benishangul-Gumz Regions. The reported increase for these regions ranges from 19.27 and 99.94% in current year expected total pulses production For Somali Region to 6% and 22.36% increase for Oromia Region as compared to the year 2001/02 and 2002/03 estimates, respectively. For details see Summary Table III.4 and Fig 6.

3.2.2 Oilseeds

Oilseeds are also food crops rich mainly in carbohydrates with varying amount of other nutrients. Due to this fact these crops yield agro-industrial products and becoming more commercially important. In Ethiopia, therefore, oil seeds are grown in almost all regions of the country. As indicated in Summary Table III.5 and Fig 6, in the 2003/04 the regional level total estimated land area under oilseeds and expected total volume of crop production have shown substantial increase over the last years' poor harvest and even better than the year 2001/02 estimates.

Among those regions reported substantial increase in the year 2003/04 both in total estimated land area and expected total oilseeds production over the last two-consecutive years' estimates. The highest increase both in the current year's total estimated land area under oilseeds and expected total crop production is reported for Gambella, Oromia, Benishangul-Gumz and Harari Regions. The increase reported for these regions is 159.28 % and 131.09% in total land area under oilseed with 144.68% and 233.57% increase in expected total oilseed production is reported for Gambella Region, 54.92% and 28.68% increase in oilseeds covered land area with 68.43% and 75.16% increase in expected total oilseeds production is reported for Oromia Region, 45.06% and 19.01% in oilseeds covered land area, with 144.68% and 233.57% increase in total expected crop production for Benishangul-Gumz Region and 28.56% and 10.87% increase in area with 27.93% and 56.62% increase in expected oilseeds production for Harari Region as compared with the 2001/02 and 2002/03 estimates respectively. For details see Summary Table III.5 and Fig 5.

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.

Statistical Tables Presenting Results At National, Regional and Zonal Levels

Table 1. Forecast of 2003/04(1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**7813021.38**	**7859494.27**	**8491959.26**	**8.69**	**8.05**	**99361778.99**	**73694451.92**	**117469445.72**	**18.22**	**59.40**					
Cereals	**6370105.57**	**6323819.80**	**6959751.21**	**9.26**	**10.06**	**87068275.50**	**63497252.90**	**104169160.01**	**19.64**	**64.05**					
Teff	1818374.64	1931088.05	1908461.46	4.95	-1.17	16273155.32	14196101.29	18986943.13	16.68	33.75	8.95	7.35	9.95	11.17	35.37
Barley	771514.77	788692.38	938035.85	21.58	18.94	9319063.02	6899680.37	11472008.70	23.10	66.27	12.08	8.75	12.23	1.24	39.77
Wheat	1004999.97	997717.64	1085837.27	8.04	8.83	14444338.16	10721446.41	17570211.71	21.64	63.88	14.37	10.75	16.18	12.60	50.51
Maize	1323037.53	1191428.38	1403253.18	6.06	17.78	28002088.27	17880314.03	30713475.39	9.68	71.77	21.16	15.01	21.89	3.45	45.84
Sorghum	1132495.63	1071957.28	1264933.37	11.69	18.00	15462080.40	10397992.75	21144053.41	36.75	103.35	13.65	9.70	16.72	22.49	72.37
Finger Millet	281455.23	308089.42	319775.37	13.62	3.79	3061837.86	3092378.58	3685566.02	20.37	19.18	10.88	10.04	11.53	5.97	14.84
Oats/'Aja'	29862.96	30117.21	38077.24	27.51	26.43	351592.09	252321.77	570940.13	62.39	126.27	11.77	8.38	14.99	27.36	78.88
Rice	8364.84	4729.43	1377.46	-83.53	-70.87	154120.38	0.00	*	*	*	18.42	*	*	*	*
Pulses	**1016786.04**	**1061416.97**	**954323.86**	**-6.14**	**-10.09**	**10212146.50**	**8231728.49**	**10190348.84**	**-0.21**	**23.79**					
Faba Beans	369150.83	389994.78	384018.45	4.03	-1.53	4470626.40	3616754.87	4780058.10	6.92	32.16	12.11	9.27	12.45	2.81	34.30
Field Pease	175221.80	207048.27	208759.33	19.14	0.83	1472697.30	1393843.30	1732671.37	17.65	24.31	8.40	6.73	8.30	-1.19	23.33
Haricot beans	119879.32	181583.04	180206.33	50.32	-0.76	986737.74	1117499.61	1988119.07	101.48	77.91	8.23	6.15	11.03	34.02	79.35
Chick-Peas	184800.88	140244.53	74133.58	-59.88	-47.14	1798213.35	1141278.33	752468.98	-58.15	-34.07	9.73	8.14	10.15	4.32	24.69
Lentils	60138.28	51433.05	44212.08	-26.48	-14.04	384296.02	225869.09	278053.36	-27.65	23.10	6.39	4.39	6.29	-1.56	43.28
Grass Peas	83522.59	53977.59	34755.29	-58.39	-35.61	923390.71	531194.57	444397.41	-51.87	-16.34	11.06	9.84	12.79	15.64	29.98
Soya Beans	1769.47	935.70	380.05	-78.52	-59.38	16205.35	6951.14	*	*	*	9.16	7.43	*	*	*
Fenugreek	15050.50	25543.15	14454.62	-3.96	-43.41	100265.85	116636.16	106350.72	6.07	-8.82	6.66	4.57	7.36	10.51	61.05
Gibto	7252.36	10656.86	13404.13	84.82	25.78	59713.78	81701.41	105490.98	76.66	29.12	8.23	7.67	7.87	-4.37	2.61
Oilseeds	**426129.77**	**474257.50**	**577884.20**	**35.61**	**21.85**	**2081356.99**	**1965470.52**	**3109936.87**	**49.42**	**58.23**					
Neug	232201.06	249683.84	267168.59	15.06	7.00	841895.92	853397.65	1137178.00	35.07	33.25	3.63	3.42	4.26	17.36	24.56
Linseed	98595.71	131877.55	170689.27	73.12	29.43	510517.51	427850.51	872751.15	70.95	103.99	5.18	3.24	5.11	-1.35	57.72
Groundnut	16034.73	14088.31	21053.95	31.30	49.44	132851.20	107189.33	207171.34	55.94	93.28	8.29	7.61	9.84	18.70	29.30
Sufflower	5474.33	3634.54	6196.63	13.19	70.49	37662.27	15815.40	37632.22	-0.08	137.95	6.88	4.35	6.07	-11.77	39.54
Sesame	58780.38	57716.66	89412.20	52.11	54.92	388995.38	362720.33	596014.32	53.22	64.32	6.62	6.28	6.67	0.76	6.21
Rapeseed	15043.55	17256.60	23363.56	55.31	35.39	169434.71	198497.30	259189.87	52.97	30.58	11.26	11.50	11.09	-1.51	-3.57

Table 2. Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Tigray Region

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03
Total Grains	**535874.29**	566863.89	589328.59	**9.98**	**3.96**	**6378199.77**	4933481.57	8465490.44	**32.73**	**71.59**					
Cereals	**462525.86**	487880.47	514235.60	**11.18**	**5.40**	**5769783.57**	4380208.57	7761828.90	**34.53**	**77.20**					
Teff	124698.64	129172.52	140801.94	12.91	9.00	1028500.35	772651.28	1295168.18	25.93	67.63	8.25	5.98	9.20	11.52	53.85
Barley	53237.55	65185.55	76726.78	44.12	17.71	589088.78	438542.09	959532.46	62.88	118.80	11.07	6.73	12.51	13.01	85.88
Wheat	63215.93	70824.35	72841.41	15.23	2.85	744801.82	464814.09	957618.47	28.57	106.02	11.78	6.56	13.15	11.63	100.46
Maize	52217.67	43604.07	47401.12	-9.22	8.71	894972.01	544257.36	814671.36	-8.97	49.68	17.14	12.48	17.19	0.29	37.74
Sorghum	114058.73	121569.72	121361.97	6.40	-0.17	1923492.34	1636901.94	2946757.64	53.20	80.02	16.86	13.46	24.28	44.01	80.39
Finger Millet	54693.25	56989.82	54602.95	-0.17	-4.19	585774.50	519270.11	784269.11	33.89	51.03	10.71	9.11	14.36	34.08	57.63
Oats/'Aja'	404.09	*	*	*	*	3153.76	*	*	*	*	7.80	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**42714.51**	**48673.84**	**39725.39**	**-7.00**	**-18.38**	**432963.34**	**357389.93**	**456407.03**	**5.41**	**27.71**					
Faba Beans	14988.12	17496.07	15244.48	1.71	-12.87	199150.69	162326.37	210786.20	5.84	29.85	13.29	9.28	13.83	4.06	49.03
Field Peas	3397.93	4697.93	4815.81	41.73	2.51	37094.03	32771.20	51597.97	39.10	57.45	10.92	6.98	10.71	-1.92	53.44
Haricot beans	2292.95	1313.88	567.18	-75.26	-56.83	9987.43	2992.21	2946.15	-70.50	-1.54	4.36	2.28	5.19	19.04	127.63
Chick-Peas	11158.64	12857.54	6818.72	-38.89	-46.97	103037.73	99518.87	83717.03	-18.75	-15.88	9.23	7.74	12.28	33.04	58.66
Lentils	4587.49	5673.82	5429.05	18.34	-4.31	29952.22	24543.65	34364.49	14.73	40.01	6.53	4.33	6.33	-3.06	46.19
Grass Peas	5794.56	5599.07	6419.08	10.78	14.65	51752.58	32395.87	71443.05	38.05	120.53	8.93	5.79	11.13	24.64	92.23
Soya Beans	50.60	-	-	-	-	130.67	-	-	-	-	2.58	-	-	-	-
Fenugreek	444.22	1035.53	431.06	-2.96	-58.37	1857.99	2841.75	1552.13	-16.46	-45.38	4.18	2.74	3.60	-13.88	31.39
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**30633.92**	**30309.57**	**35367.59**	**15.45**	**16.69**	**175452.86**	**195883.07**	**247254.52**	**40.92**	**26.23**					
Neug	5134.73	6504.34	4937.93	-3.83	-24.08	27141.60	37410.97	33153.26	22.15	-11.38	5.29	5.75	6.71	26.84	16.70
Linseed	4318.09	5745.98	6558.35	51.88	14.14	16907.29	20311.22	28808.09	70.39	41.83	3.92	3.53	4.39	11.99	24.36
Groundnut	*	*		*	*	*	*	-	-	-	*	*	-	-	-
Sufflower	45.13	84.33	*	*	*	114.19	*	*	*	*	2.53	*	*	*	*
Sesame	21093.57	17882.95	23861.53	13.12	33.43	131119.66	137700.51	185234.94	41.27	34.52	6.22	7.70	7.76	24.76	0.78
Rapeseed	30.87	*	*	*	*	97.46	*	*	*	*	3.16	*	*	*	*

Table 2.1 Forecast of 2003/04(1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

North-Western Tigray Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains		**142293.43**	**140168.08**		**-1.49**		**1610266.42**	**2266781.24**		**40.77**					
Cereals		**125872.67**	**129248.19**		**2.68**		**1495898.22**	**2167953.22**		**44.93**					
Teff		27070.67	31839.16		17.61		196111.54	316034.02		61.15		7.24	9.93		37.15
Barley		381.68	*		*		2421.65	*		*		6.34	*		*
Wheat		*	*		*		*	*		*		0.00	*		*
Maize		18355.04	21352.22		16.33		288010.14	415011.38		44.10		15.69	19.44		23.90
Sorghum		44481.85	40382.74		-9.22		638052.60	899793.15		41.02		14.34	22.28		55.37
Finger Millet		35416.94	34463.39		-2.69		370582.07	523726.49		41.33		10.46	15.20		45.32
Oats/'Aja'		-	-		-		-	-		-		-	-	-	-
Rice		-	-		-		-	-		-		-	-	-	-
Pulses		**7062.92**	**3190.40**		**-54.83**		**54831.70**	**32634.79**		**-40.48**					
Faba Beans		1582.61	1543.76		-2.45		8533.99	14171.83		66.06		5.39	9.18		70.32
Field Pease		*	425.11		*		*	4537.05		*		*	10.67		*
Haricot beans		*	*		*		*	*		*		*	*		*
Chick-Peas		4156.96	*		*		42734.09	*		*		10.28	*		*
Lentils		-	-		-		-	-		-		-	-		-
Grass Peas		*	*		*		*	*		*		*	*		*
Soya Beans		-	-		-		-	-		-		-	-		-
Fenugreek		*	*		*		*	*		*		*	*		*
Gibto		-	-		-		-	-		-		-	-		-
Oilseeds		**9357.85**	**7729.48**		**-17.40**		**59536.50**	**66193.23**		**11.18**					
Neug		3902.88	2763.56		-29.19		19417.27	15773.38		-18.77		4.98	5.71		14.66
Linseed		663.35	453.62		-31.62		2778.11	2574.15		-7.34		4.19	5.67		35.32
Groundnut		*	-		*		*	-		*		*	-		-
Sufflower		-	-		-		-	-		-		-	-		-
Sesame		4789.36	4512.30		-5.78		37334.02	47845.71		28.16		7.80	10.60		35.90
Rapeseed		-	-		-		-	-		-		-	-		-

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

Table 2.2 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Central Tigray Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**161059.65**	167783.18	156137.32	**-3.06**	**4.17**	**1539692.26**	**1250672.76**	**2023174.28**	**31.40**	**61.77**					
Cereals	**142910.31**	150364.95	141517.71	**-0.97**	**-5.88**	**1395631.98**	**1127448.88**	**1879526.32**	**34.67**	**66.71**					
Teff	52065.86	53994.58	49115.53	-5.67	-9.04	365174.28	298620.73	430169.42	17.80	44.05	7.01	5.53	8.76	24.96	58.41
Barley	12742.64	14520.23	19601.36	53.82	34.99	112013.14	117505.81	197650.43	76.45	68.20	8.79	8.09	10.08	14.68	24.60
Wheat	14538.65	13677.93	14575.79	0.26	6.56	143253.09	109258.37	191093.56	33.40	74.90	9.85	7.99	13.11	33.10	64.08
Maize	18794.66	14480.96	13601.95	-27.63	-6.07	276201.30	151449.33	225840.28	-18.23	49.12	14.70	10.46	16.60	12.93	58.70
Sorghum	30787.64	40846.49	32944.60	7.01	-19.35	381026.43	400525.30	714133.00	87.42	78.30	12.38	9.81	21.68	75.12	121.00
Finger Millet	13966.08	12844.76	11678.48	-16.38	-9.08	117801.09	50089.35	120639.64	2.41	140.85	8.43	3.90	10.33	22.54	164.87
Oats/'Aja'	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**15426.13**	14490.29	12323.49	**-20.11**	**-14.95**	**134043.03**	**111793.76**	**132443.97**	**-1.19**	**18.47**					
Faba Beans	6987.94	8457.99	7731.32	10.64	-8.59	78511.91	82661.67	104261.99	32.80	26.13	11.24	9.77	13.49	20.02	38.08
Field Peas	612.03	724.48	954.44	55.95	31.74	4485.54	4130.87	7915.74	76.47	91.62	7.33	5.70	8.29	13.10	45.44
Haricot beans	1139.71	477.91	*	*	*	6410.49	1908.03	625.90	-90.24	-67.20	5.62	3.99	*	*	*
Chick-Peas	3292.02	1367.00	*	*	*	23170.00	8247.51	*	*	*	7.04	6.03	*	*	*
Lentils	1164.73	1968.40	1533.02	31.62	-22.12	6416.43	8636.62	7821.09	21.89	-9.44	5.51	4.39	5.10	-7.44	16.17
Grass Peas	1871.62	*	*	*	*	13573.01	*	*	*	*	7.25	*	*	*	*
Soya Beans	31.34	-	-	-	-	86.01	-	-	-	-	2.74	-	-	-	-
Fenugreek	326.74	436.06	*	*	*	1389.64	1503.04	*	*	*	4.25	3.45	*	*	*
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**2723.21**	2927.94	2296.12	**-15.68**	**-21.58**	**10017.25**	**11430.12**	**11204.00**	**11.85**	**-1.98**					
Neug	857.61	507.36	*	*	*	2928.48	2040.14	*	*	*	3.41	4.02	*	*	*
Linseed	1602.59	1636.17	1555.28	-2.95	-4.94	5797.80	6767.59	7035.04	21.34	3.95	3.62	4.14	4.52	14.36	9.18
Groundnut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sufflower	6.55	*	*	*	*	18.17	*	*	*	*	2.77	*	*	*	*
Sesame	252.33	*	*	*	*	1259.98	*	*	*	*	4.99	*	*	*	*
Rapeseed	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Table 2.3 Forecast of 2003/04(1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Eastern Tigray Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03
Total Grains	**51479.00**	**61334.22**	**54216.38**	**5.32**	**-11.61**	**616327.33**	**324265.14**	**833975.61**	**35.31**	**157.19**					
Cereals	**44136.20**	**51699.88**	**47111.33**	**6.74**	**-8.88**	**535116.52**	**276189.30**	**743598.38**	**38.96**	**169.24**					
Teff	5730.06	8700.52	7862.53	37.22	-9.63	54973.79	34399.90	89364.30	62.56	159.78	9.59	3.95	11.37	18.56	187.85
Barley	16288.11	19094.90	19884.19	22.08	4.13	202115.22	117846.54	327103.19	61.84	177.57	12.41	6.17	16.60	33.76	169.04
Wheat	14459.08	17566.75	13007.94	-10.04	-25.95	174703.14	82617.95	215280.14	23.23	160.57	12.08	4.70	16.64	37.75	254.04
Maize	3094.47	2215.01	2717.90	-12.17	22.70	48116.14	14885.01	43949.14	-8.66	195.26	15.55	6.72	16.21	4.24	141.22
Sorghum	1965.99	*	*	*	*	29963.79	*	*	*	*	15.24	*	*	*	*
Finger Millet	2521.88	2374.89	1806.83	-28.35	-23.92	24559.11	9646.74	22060.70	-10.17	128.69	9.74	4.06	12.21	25.36	200.74
Oats/'Aja'	76.61	*	*	*	*	685.35	*	*	*	*	8.95	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**6636.71**	**8662.98**	**6273.04**	**-5.48**	**-27.59**	**78475.73**	**46558.38**	**86521.14**	**10.25**	**85.83**					
Faba Beans	1691.36	1759.09	1604.34	-5.14	-8.80	26897.43	10568.09	27060.61	0.61	156.06	15.90	6.01	16.87	6.10	180.70
Field Peas	1047.34	1611.24	1138.66	8.72		13136.48	10436.44	14706.28	11.95	40.91	12.54	6.48	12.92		
Haricot beans	15.42	*	*	*	*	69.18	*	*	*	*	4.49	*	*	*	*
Chick-Peas	1512.34	1975.34	*	*	*	15050.15	9924.22	*	*	*	9.95	5.02	*	*	*
Lentils	543.90	1082.37	499.16	-8.23	-53.88	4426.44	3257.15	*	*	*	8.14	3.01	*	*	*
Grass Peas	1799.14	2137.09	1664.90	-7.46	-22.09	18789.81	12268.39	*	*	*	10.44	5.74	*	*	*
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	23.91	*	*	*	*	106.24	97.66	*	*	*	4.44	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**706.09**	**971.36**	**832.01**	**17.83**	**-14.35**	**2735.08**	**1517.47**	**3856.10**	**40.99**	**154.11**					
Neug	12.62	*	-	*	*	42.60	*	-	*	*	3.38	*	-		
Linseed	679.24	966.64	832.01	22.49	-13.93	2687.65	1512.33	3856.10	43.47	154.98	3.96	1.56	4.79	20.96	207.05
Groundnut	0.00	-	-	-	-	0.00	-	-	-	-	-	-	-	-	-
Sufflower	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sesame	0.00	-	-	-	-	0.00	-	-	-	-	-	-	-	-	-
Rapeseed	12.10	*	-	*	*	4.84	*	-	*	*	0.40	*	-	*	*

Table 2.4 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Southern Tigray Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Grains Total	**145694.93**	**146993.68**	**183913.49**	**26.23**	**25.12**	**1967364.57**	**1089618.24**	**2568494.99**	**30.56**	**135.72**					
Cereals	**129069.17**	**127748.54**	**163439.19**	**26.63**	**27.94**	**1797743.74**	**957153.61**	**2364921.56**	**31.55**	**147.08**					
Teff	37621.61	35724.36	47876.97	27.26	34.02	371614.73	203096.79	413153.95	11.18	103.43	9.88	5.69	8.63	-12.65	34.07
Barley	22887.09	29421.79	36069.75	57.60	22.60	257844.26	174847.18	421536.19	63.48	141.09	11.27	5.94	11.69	3.73	49.19
Wheat	33701.79	39052.41	44697.68	32.63	14.46	419461.41	267334.82	542433.89	29.32	102.90	12.45	6.85	12.14	-2.49	43.57
Maize	6818.05	5616.92	6975.68	2.31	24.19	105626.43	37314.22	80721.87	-23.58	116.33	15.49	6.64	11.57	-25.31	42.61
Sorghum	27079.24	17177.46	27012.49	-0.25	57.26	634522.20	270441.41	903374.77	42.37	234.04	23.43	15.74	33.44	42.72	52.93
Finger Millet	661.60	377.30	466.29	-29.52	23.59	6368.94	2861.46	2937.18	-53.88	2.65	9.63	7.58	6.30	-34.58	-20.32
Oats/'Aja'	299.79	*	*	*	*	2305.78	*	*	*	*	7.69	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**14854.26**	**16830.91**	**16863.17**	**13.52**	**0.19**	**162543.03**	**124266.73**	**189188.83**	**16.39**	**52.24**					
Faba Beans	4622.20	4910.14	3744.25	-18.99	-23.74	74350.41	48686.97	55192.28	-25.77	13.36	16.09	9.92	14.74	-8.39	32.70
Field Peas	1384.10	1632.05	2101.71	51.85	*	16030.71	15727.63	22753.21	41.94	44.67	11.58	9.64	10.83	-6.48	10.99
Haricot beans	1036.98	*	*	*	*	2531.57	*	*	*	*	2.44	*	*	*	*
Chick-Peas	2937.44	4634.86	3005.52	2.32	-35.15	32228.68	31756.52	45114.51	39.98	42.06	10.97	6.85	15.01	36.83	54.36
Lentils	2874.76	2623.05	3396.87	18.16	29.50	19083.51	12649.89	18577.55	-2.65	46.86	6.64	4.82	5.47	-17.62	11.88
Grass Peas	1942.85	1985.87	4068.86			18099.58	13810.59	45878.03	153.48	232.19	9.32	6.95	11.28	21.03	38.39
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	39.97	404.10	*	*	*	173.91	884.16	*	*	*	4.35	2.19	*	*	*
Gibto	0.00	-	-	-	-	-	-	-	-	-	0.00	-	-	-	-
Oilseeds	**1771.50**	**2414.22**	**3611.13**	**103.85**	**49.58**	**7077.80**	**8197.90**	**14384.60**	**103.24**	**75.47**					
Neug	22.09	*	*	*	*	57.38	*	*	*	*	2.60	*	*	*	*
Linseed	1496.16	2199.38	3360.20			6158.95	7641.53	13328.64	116.41	74.42	4.12	3.47	3.97	-3.64	12.59
Groundnut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sufflower	36.05	82.81	-	-	-	96.02	-	-	-	-	2.66	-	-	-	-
Sesame	217.19	*	*	*	*	765.46	*	*	*	*	3.52	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 2.5 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Western Tigray Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**177640.70**	48459.37	54893.31	**-69.10**	**13.28**	**2254815.61**	658659.02	773064.32	**-65.71**	**17.37**					
Cereals	**146410.17**	32194.43	32919.18	**-77.52**	**2.25**	**2041291.33**	523518.57	605829.42	**-70.32**	**15.72**					
Teff	29281.11	3682.40	4107.75	-85.97	11.55	236737.55	40422.32	46446.50	-80.38	14.90	8.08	10.98	11.31	39.98	35.89
Barley	1319.70	*	*	*	*	17116.17	*	*	*	*	12.97	*	*	*	*
Wheat	516.42	*	*	*	*	7384.18	*	*	*	*	14.30	*	*	*	*
Maize	23510.50	2936.15	2753.38	-88.29	-6.22	465028.15	52598.66	49148.70	-89.43	-6.56	19.78	17.91	17.85	-9.76	-9.45
Sorghum	54225.86	17472.26	19349.29	-64.32	10.74	877979.92	313603.45	386663.78	-55.96	23.30	16.19	17.95	19.98	23.41	10.87
Finger Millet	37543.68	5975.92	6187.96	-83.52	3.55	437045.37	86090.49	114905.11	-73.71	33.47	11.64	14.41	18.57	59.54	23.80
Oats/'Aja'	12.91	-	-	-	-	0.00	-	-	-	-	0.00	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**5797.41**	**1626.74**	**1075.29**	**-81.45**	**-33.90**	**57901.55**	19939.35	15618.31	**-73.03**	**-21.67**					
Faba Beans	1686.62	786.23	620.82	-63.19	-21.04	19390.94	11875.64	10099.49	-47.92	-14.96	11.50	15.10	16.27		31.30
Field Pease	354.46	*	*	*	*	3441.31	*	*	*	*	9.71	*	*	*	*
Haricot beans	100.84	*	*	*	*	976.19	*	*	*	*	9.68	*	*	*	*
Chick-Peas	3416.85	723.38	*	*	*	32588.90	6856.54	*	*	*	9.54	9.48	*	*	*
Lentils	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Grass Peas	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**	**20898.85**	**-17.83**	**42.77**	**155622.73**	**115201.09**	**151616.59**	**-2.57**	**31.61**					
Neug	4242.42	2037.51	1862.81	-56.09	-8.57	24113.14	15841.26	14886.25	-38.26	-6.03	5.68	7.77	7.99	40.67	36.80
Linseed	540.09	280.43	357.23	-33.86	27.39	2262.90	1611.65	2014.17	-10.99	24.98	4.19	5.75	5.64	34.61	37.23
Groundnut	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sufflower	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sesame	20624.05	12320.26	18677.34	-9.44	51.60	129094.22	97748.18	134707.06	4.35	-24.28	6.26	7.93	7.21	15.18	26.68
Rapeseed	14.64	-	*	-	-	79.81	-	*	*	*	5.45	-	*	-	-

Table 3. Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**8536.05**	7466.12	9104.57	**6.66**	**21.95**	**76279.25**	**40532.54**	**107902.25**	**41.46**	**166.21**					
Cereals	**8290.75**	6539.51	8228.78	**-0.75**	**25.83**	**75243.50**	**37950.82**	**101077.23**	**34.33**	**166.34**					
Teff	694.64	2502.82	1695.46	144.08	-32.26	3433.15	8784.35	8952.97	160.78	1.92	4.94	3.51	5.28	6.88	50.43
Barley	21.41	33.11	*	*	*	159.83	0.00	*	*	*	7.47	0.00	*	*	*
Wheat	50.16	*	*	*	*	194.31	*	*	*	*	3.87	*	*	*	*
Maize	6100.41	2156.87	3386.30	-44.49	57.00	60515.64	19503.69	62409.90	3.13	219.99	9.92	9.04	18.43	85.79	50.95
Sorghum	1404.78	1778.99	3106.80	121.16	74.64	10940.59	9276.75	29389.26	168.63	216.81	7.79	5.21	9.46	21.44	44.93
Finger Millet	*	-	-	*	-	*	-	-	-	-	*	-	-	-	-
Oats/'Aja'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-	-
Pulses	**103.20**	712.44	412.93	**300.13**	**-42.04**	**288.14**	**1783.89**	**2231.16**	**674.33**	**25.07**					
Faba Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Field Pease	*	*	-	*	*	*	*	-	-	-	*	*	-	-	-
Haricot beans	35.05	235.02	336.56	860.23	43.20	139.29	914.98	2046.71	1369.39	123.69	3.97	3.89	6.08	53.15	36.02
Chick-Peas	59.56	467.35	64.78	8.76	-86.14	138.19	865.06	*	*	*	2.32	1.85	*	*	*
Lentils	3.17	*	*	*	*	0.32	*	*	*	*	0.10	*	*	*	*
Grass Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soya Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-	-	0.00	-	-	-	-
Oilseeds	**142.10**	214.18	462.86	**225.73**	**116.11**	747.61	797.83	*	*	*					
Neug	0.58	14.57	-	-	-	1.46	*	-	-	-	2.52	*	-	-	-
Linseed	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Groundnut	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Sufflower	10.76	54.62	38.48	257.62	-29.55	32.83	162.65	160.49	388.85	-1.33	3.05	2.98	4.17	36.72	28.54
Sesame	-	141.60	419.63	-	196.35	-	580.47	*	*	*	-	4.10	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3.1 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**5266.36**	**1730.42**	**2708.77**	**-48.56**	**56.54**	**49808.80**	**17682.28**	**56743.15**	**13.92**	**220.90**					
Cereals	**5234.07**	**1730.42**	**2549.03**	**-51.30**	**47.31**	**49640.98**	**17682.28**	**54693.00**	**10.18**	**209.31**					
Teff	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize	5150.66	1688.41	2483.57	-51.78	47.10	48816.55	17477.94	54177.71	10.98	209.98	9.48	10.35	21.81	130.06	52.54
Sorghum	64.05	-	*	*	*	824.43	-	*	*	*	12.87	-	*	*	*
Finger Millet	*	-	-	-	-	*	-	-	-	-	*		-	-	-
Oats/'Aja'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	*	-	-	-	-	*	-	-	-	-					
Faba Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haricot beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Chick-Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grass Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**3269.71**	**5735.70**	**6395.80**	**95.61**	**11.51**	**26470.30**	**22850.25**	**51159.11**	**93.27**	**123.89**					
Cereals	**3056.68**	**4809.09**	**5679.76**	**85.81**	**18.10**	**25602.52**	**20268.54**	**46384.23**	**81.17**	**128.85**					
Teff	694.64	2502.82	1695.46	144.08	-32.26	3433.15	8784.35	8952.97	160.78	1.92	4.94	3.51	5.28	6.88	33.52
Barley	21.41	33.11	*	*	*	159.83	0.00	*	*	*	7.47	0.00	*	*	*
Wheat	50.16	0.00	*	*	*	194.31	0.00	*	*	*	3.87	0.00	*	*	*
Maize	949.75	468.46	902.73	-4.95	92.70	11699.09	2025.75	8232.19	-29.63	306.38	12.32	4.32	9.12	-25.97	52.63
Sorghum	1340.72	1736.98	3041.34	126.84	75.09	10116.15	9072.41	28873.97	185.42	218.26	7.55	5.22	9.49	25.70	44.99
Finger Millet	-	-	-	-	-	-	-	-	-	-	-	0.00	-	-	-
Oats/'Aja'	-	-	-	-	-	-	-	-	-	-	-	0.00	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	0.00	-	-	-
Pulses	**97.20**	**712.44**	**412.93**	**324.83**	**-42.04**	**288.14**	**1783.89**	**2231.16**	**674.33**	**25.07**					
Faba Beans	*	*	-	*	*	*	*	-	-	-	*	*	-	-	-
Field Pease	*	*	-	*	*	*	*	-	-	-	*	*	-	-	-
Haricot beans	29.04	235.02	336.56	1058.95	43.20	139.29	914.98	2046.71	1369.39	123.69	4.80	3.89	6.08	26.67	36.02
Chick-Peas	59.56	467.35	64.78	8.76	-86.14	138.19	865.06	*	*	*	2.32	1.85	*	*	*
Lentils	3.17	0.00	*	*	*	0.32	0.00	*	*	*	0.10	0.00	*	*	*
Grass Peas	-	0.00	-	-	-	-	0.00	-	-	-	-	0.00	-	-	-
Soya Beans	-	0.00	-	-	-	-	0.00	-	-	-	-	0.00	-	-	-
Fenugreek	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	*	**214.18**	**303.11**	*	**41.52**	*	**797.83**	*	*	*					
Neug	0.58	14.57	-	-		1.46	0.00	-	-	-	2.52	0.00	-	-	-
Linseed	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Groundnut	*	*	-	*	*	*	*	-	-	-	*	*	-	-	-
Sufflower	10.76	54.62	38.48	257.62	-29.55	32.83	162.65	160.49	388.85	-1.33	3.05	2.98	4.17	36.72	28.54
Sesame	-	141.60	259.89	-	83.54	-	580.47	*	*	*	-	4.10	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 4. Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Amhara Region

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**2880425.12**	**2894219.15**	**2990217.41**	**3.81**	**3.32**	**32913797.46**	**23131679.96**	**34108797.76**	**3.63**	**47.45**					
Cereals	**2216029.07**	**2216114.07**	**2328452.87**	**5.07**	**5.07**	**27144178.82**	**18863755.31**	**28576750.47**	**5.28**	**51.49**					
Teff	778202.03	838056.04	791110.24	1.66	-5.60	6973002.40	6007581.75	7653029.98	9.75	27.39	8.96	7.17	9.67	7.92	34.87
Barley	274628.32	307597.50	334252.15	21.71	8.67	3127282.40	2475939.36	3409070.72	9.01	37.69	11.39	8.05	10.20	-10.45	26.71
Wheat	286246.58	296111.28	315353.64	10.17	6.50	3537726.33	2627610.23	4078294.97	15.28	55.21	12.36	8.87	12.93	4.61	45.77
Maize	296356.11	238406.66	264212.83	-10.85	10.82	6374895.81	3518777.80	5444075.82	-14.60	54.71	21.51	14.76	20.60	-4.23	39.57
Sorghum	409473.20	368433.94	449049.17	9.67	21.88	5226285.11	2532985.42	6041117.36	15.59	138.50	12.76	6.88	13.45	5.41	95.49
Finger Millet	155526.83	153394.75	165554.39	6.45	7.93	1678717.62	1577640.99	1836251.52	9.38	16.39	10.79	10.28	11.09	2.78	7.88
Oats/'Aja'	8996.12	10719.46	8304.81	-7.68	-22.53	94339.17	78431.72	98612.17	4.53	25.73	10.49	7.32	11.87	13.16	62.16
Rice	6599.88	*	*	*	*	131929.98	*	*	*	*	19.99	*	*	*	*
Pulses	**488183.62**	**496478.59**	**454244.50**	**-6.95**	**-8.51**	**4920234.01**	**3530973.40**	**4471964.30**	**-9.11**	**26.65**					
Faba Beans	168944.71	194084.62	187372.33	10.91	-3.46	2101390.03	1647081.90	2325212.36	10.65	41.17	12.44	8.49	12.41	-0.24	46.17
Field Pease	78144.77	98638.85	97376.38	24.61	-1.28	640910.81	557056.97	725733.31	13.23	30.28	8.20	5.65	7.45	-9.15	31.86
Haricot beans	22518.39	38220.63	44832.19	99.09	17.30	169182.07	179583.09	282242.42	66.83	57.17	7.51	4.70	6.30	-16.11	34.04
Chick-Peas	109431.99	81343.54	50830.37	-53.55	-37.51	1038747.98	568061.65	463273.43	-55.40	-18.45	9.49	6.98	9.11	-4.00	30.52
Lentils	40120.86	34579.46	30968.39	-22.81	-10.44	259856.63	164870.50	209482.50	-19.39	27.06	6.48	4.77	6.76	4.32	41.72
Grass Peas	53966.46	27662.41	21659.18	-59.87	-21.70	591933.40	270083.53	299830.32	-49.35	11.01	10.97	9.76	13.84	26.16	41.80
Soya Beans	250.80	-	*	-	-	2065.92	-	*	-	-	8.24	-	*	-	-
Fenugreek	7589.06	11365.28	7795.13	2.72	-31.41	56828.13	63600.92	60636.10	6.70	-4.66	7.49	5.60	7.78	3.87	38.93
Gibto	7216.57	10583.80	13402.25	85.71	26.63	59319.04	80634.84	105462.76	77.79	30.79	8.22	7.62	7.87	-4.26	3.28
Oilseeds	**176212.43**	**181626.49**	**207520.04**	**17.77**	**14.26**	**849384.63**	**736951.25**	**1060082.98**	**24.81**	**43.85**					
Neug	119547.94	127213.20	130405.77	9.08	2.51	450479.57	426088.94	535778.33	18.94	25.74	3.77	3.35	4.11	8.98	22.64
Linseed	23823.58	26421.73	31179.93	30.88	18.01	97426.90	73298.71	116195.57	19.26	58.52	4.09	2.77	3.73	-8.88	34.53
Groundnut	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Sufflower	4232.82	2901.98	5374.45	26.97	85.20	29411.52	11561.31	30969.28	5.30	167.87	6.95	3.98	5.76	-17.09	44.78
Sesame	18111.31	11395.09	20009.53	10.48	75.60	132630.80	44197.09	117156.88	-11.67	165.08	7.32	3.88	5.86	-20.01	50.90
Rapeseed	8806.03	12379.02	18093.22	105.46	46.16	122592.55	167825.29	230130.59	87.72	37.13	13.92	13.56	12.72	-8.63	-6.20

Table 4.1 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**483721.48**	**481370.45**	**477918.71**	**-1.20**	**-0.72**	**5104666.78**	**2774331.27**	**4819584.75**	**-5.58**	**73.72**					
Cereals	**368357.91**	**376358.63**	**379093.59**	**2.91**	**0.73**	**4129947.18**	**2294512.90**	**4097704.13**	**-0.78**	**78.59**					
Teff	100588.16	104943.81	94779.37	-5.77	-9.69	804839.58	486553.58	809512.55	0.58	66.38	8.00	4.64	8.54	6.75	84.05
Barley	40525.81	44301.98	49109.93	21.18	10.85	432215.43	297210.90	520740.04	20.48	75.21	10.67	6.71	10.60	-0.66	57.97
Wheat	32953.30	23419.91	23800.68	-27.77	1.63	318569.97	110659.69	227851.49	-28.48	105.90	9.67	4.73	9.57	-1.03	102.33
Maize	35411.34	34609.99	34276.42	-3.20	-0.96	592042.51	275172.08	387973.39	-34.47	40.99	16.72	7.95	11.32	-32.30	42.39
Sorghum	125980.17	137889.58	149190.00	18.42	8.20	1609281.70	912590.02	1802790.84	12.02	97.55	12.77	6.62	12.08	-5.40	82.48
Finger Millet	30162.54	26365.15	25255.27	-16.27	-4.21	348347.86	180692.35	319388.83	-8.31	76.76	11.55	6.85	12.65	9.52	84.67
Oats/'Aja'	2224.12	*	*	*	*	20383.77	*	*	*	*	9.16	*	*	*	*
Rice	512.47	505.82	*	*	*	4266.36	*	*	*	*	8.33	*	*	*	*
Pulses	**75801.00**	**71199.61**	**58874.58**	**-22.33**	**-6.07**	**750900.87**	**371000.12**	**517608.40**	**-50.59**	**39.52**					
Faba Beans	23552.20	27274.25	29818.14	26.60	9.33	281308.37	178458.00	335491.69	19.26	87.99	11.94	6.54	11.25	-5.78	72.02
Field Pease	12101.64	12528.09	9298.80	-23.16	-25.78	101586.58	46431.83	54361.33	-46.49	17.08	8.39	3.71	5.85	-30.27	57.68
Haricot beans	2895.42	3196.97	3172.18	9.56	-0.78	8059.54	3400.25	10924.45	35.55	221.28	2.78	1.06	3.44	23.74	224.53
Chick-Peas	27521.15	21364.30	13279.71	-51.75	-37.84	280472.47	105991.67	84851.66	-69.75	-19.94	10.19	4.96	6.39	-37.29	28.83
Lentils	5367.40	3378.78	1387.08	-74.16	-58.95	39838.47	0.00	*	*	*	7.42		*	*	*
Grass Peas	2333.98	*	*	*	*	24594.10	6065.01	*	*	*	10.54	*	*	*	*
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	1989.95	*	826.70	-58.46	*	15014.20	*	7584.30	-49.49	*	7.55	*	9.17	21.46	*
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**39562.57**	**33812.21**	**39950.54**	**0.98**	**-14.53**	**223818.73**	**108818.25**	**204272.21**	**-8.73**	**87.72**					
Neug	21171.06	20094.92	18704.14	-11.65	-6.92	97250.96	65446.55	93248.58	-4.12	42.48	4.59	3.26	4.99	8.71	53.07
Linseed	3631.06	4797.89	5371.98	47.95	11.97	13073.22	8019.24	17410.15	33.17	117.10	3.60	1.67	3.24	-10.00	94.01
Groundnut	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sufflower	1543.51	*	1391.82	-9.83	*	11603.14	3103.77	6191.68	-46.64	99.49	7.52	*	4.45	-40.82	
Sesame	12705.38	7535.70	13415.32	5.59	78.02	97239.78	30931.63	*	*	*	7.65	4.10 *	*		*
Rapeseed	510.58	*	1067.27	109.03	*	4651.63	*	8993.44	93.34	*	9.11	*	8.43	-7.46	*

Table 4.2 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**367304.39**	**409119.41**	**376314.10**	**2.45**	**-8.02**	**3450961.17**	**3177622.66**	**2988582.91**	**-13.40**	**-5.95**					
Cereals	**262202.31**	**309990.20**	**280044.32**	**6.80**	**-9.66**	**2639448.82**	**2600802.99**	**2463068.44**	**-6.68**	**-5.30**					
Teff	108484.64	126506.85	112929.88	4.10	-10.73	865259.82	932090.13	948363.85	9.60	1.75	7.98	7.37	8.40	5.26	13.98
Barley	37655.43	54414.67	63714.20	69.20	17.09	359548.05	467563.71	492601.54	37.01	5.35	9.55	8.59	7.73	-19.06	-10.01
Wheat	33752.77	39199.38	44971.71	33.24	14.73	347664.25	349426.14	394916.08	13.59	13.02	10.30	8.91	8.78	-14.76	-1.46
Maize	33813.78	33009.50	25776.28	-23.77	-21.91	546430.91	377816.34	305520.61	-44.09	-19.14	16.16	11.45	11.85	-26.67	3.49
Sorghum	17531.29	25319.07	8248.51	-52.95	-67.42	146381.07	106910.08	56289.49	-61.55	-47.35	8.35	4.22	6.82	-18.32	61.61
Finger Millet	24711.47	28875.10	24040.19	-2.72	-16.74	245641.04	328537.91	251365.92	2.33	-23.49	9.94	11.38	10.46	5.23	-8.08
Oats/'Aja'	398.72	*	*	*	*	3547.79	*	*	*	*	8.90	*	*	*	*
Rice	5854.22	*	*	*	*	124975.88	*	*	*	*	21.35	*	*	*	*
Pulses	**78714.13**	**72296.17**	**62619.87**	**-20.45**	**-13.38**	**696513.80**	**473816.86**	**404370.14**	**-41.94**	**-14.66**					
Faba Beans	22043.99	24949.90	26637.17	20.84	6.76	258658.19	223313.42	237399.59	-8.22	6.31	11.73	8.95	8.91	-24.04	-0.45
Field Pease	12082.13	17551.98	12719.66	5.28	-27.53	108963.47	100385.09	74697.25	-31.45	-25.59	9.02	5.72	5.87	-34.92	2.62
Haricot beans	4250.51	13655.78	*	*	*	33297.60	49483.73	38781.72	16.47	-21.63	7.83	3.62	*	*	*
Chick-Peas	19884.73	8877.51	2988.82	-84.97	-66.33	158788.96	61090.72	*	*	*	7.99	6.88	*	*	*
Lentils	4524.37	2486.60	1682.02	-62.82	-32.36	16958.85	6708.46	3940.66	-76.76	-41.26	3.75	2.70	2.34	-37.60	-13.33
Grass Peas	13580.58	2180.48	*	*	*	100713.82	16355.92	*	*	*	7.42	7.50	*	*	*
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	241.76	*	*	*	*	782.67	*	*	*	*	3.24	*	*	*	*
Gibto	2061.85	*	*	*	*	17590.18	*	*	*	*	8.53	*	*	*	*
Oilseeds	**26387.95**	**26833.03**	**33649.90**	**27.52**	**25.40**	**114998.55**	**103002.80**	**121144.33**	**5.34**	**17.61**					
Neug	19738.85	20127.45	21571.08	9.28	7.17	79745.38	75925.94	78532.28	-1.52	3.43	4.04	3.77	3.64	-9.90	-3.45
Linseed	4506.28	5751.94	7809.44	73.30	35.77	19556.59	21228.35	24788.85	26.75	16.77	4.34	3.69	3.17	-26.96	-14.09
Groundnut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sufflower	972.76	*	*	*	*	5547.30	*	3579.87	-35.47	*	5.70	*	*	*	*
Sesame	*	-	-	-	-	*	-	-	-	-		-	-	-	-
Rapeseed	1077.45	647.24	2662.22	147.09	311.32	10003.04	5221.46	14243.33	42.39	172.78	9.28	8.07	5.35	-42.35	-33.71

Table 4.3 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**204970.17**	**195636.00**	**206562.18**	**0.78**	**5.58**	**2357160.36**	**1403065.97**	**2115114.07**	**-10.27**	**50.75**					
Cereals	**160420.60**	**149164.31**	**165727.63**	**3.31**	**11.10**	**1892934.87**	**1041967.05**	**1681528.64**	**-11.17**	**61.38**					
Teff	52808.34	65451.25	63079.80	19.45	-3.62	450881.19	390980.36	479467.27	6.34	22.63	8.54	5.97	7.60	-11.01	27.30
Barley	31596.67	25535.02	28373.01	-10.20	11.11	444447.99	222183.09	344347.39	-22.52	54.98	14.07	8.70	12.14	-13.72	39.54
Wheat	19751.93	19102.62	18831.96	-4.66	-1.42	229479.45	132245.18	231629.17	0.94	75.15	11.62	6.92	12.30	5.85	77.75
Maize	6466.78	5051.25	7392.70	14.32	46.35	66488.34	30709.56	65350.88	-1.71	112.80	10.28	6.08	8.84	-14.01	45.39
Sorghum	47217.69	31064.04	45754.35	-3.10	47.29	670909.27	243715.31	531935.49	-20.71	118.26	14.21	7.85	11.63	-18.16	48.15
Finger Millet	1093.60	458.21	*	*	*	14745.56	3676.52	*	*	*	13.48	8.02	*	*	*
Oats/'Aja'	1485.59	2501.91	1713.14	15.32	-31.53	15983.08	18457.04	18281.93	14.38	-0.95	10.76	7.38	10.67	-0.84	44.58
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**39952.93**	**43244.70**	**36369.44**	**-8.97**	**-15.90**	**439270.15**	**351663.00**	**414078.77**	**-5.73**	**17.75**					
Faba Beans	11727.79	13142.33	11168.95	-4.77	-15.02	154971.74	121509.86	133492.26	-13.86	9.86	13.21	9.25	11.95	-9.54	29.19
Field Pease	8949.38	10553.17	7613.31	-14.93	-27.86	89577.19	71317.58	80413.99	-10.23	12.75	10.01	6.76	10.56	5.49	56.21
Haricot beans	1627.85	1448.31	*	*	*	14545.75	8742.86	*	*	*	8.94	6.04	*	*	*
Chick-Peas	8998.03	9245.85	8511.18	-5.41	-7.95	96127.01	80355.12	99657.54	3.67	24.02	10.68	8.69	11.71	9.64	34.75
Lentils	6486.32	4842.63	4863.29	-25.02	0.43	52507.15	33752.04	50693.68	-3.45	50.19	8.10	6.97	10.42	28.64	49.50
Grass Peas	1574.16	1934.59	1845.51	17.24	-4.60	25992.04	21496.61	30247.39	16.37	40.71	16.51	11.11	16.39	-0.73	47.52
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	588.26	*	*	*	*	5549.28	*	*	*	*	9.43	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**4596.64**	**3227.00**	**4465.11**	**-2.86**	**38.37**	**24955.34**	**9435.92**	**19506.65**	**-21.83**	**106.73**					
Neug	421.55	505.84	534.28	26.74	5.62	2936.64	1725.83	1974.39	-32.77	14.40	6.97	3.41	3.70	-46.92	8.50
Linseed	3060.02	2461.27	2915.73	-4.72	18.46	13826.71	6914.65	10205.43	-26.19	47.59	4.52	2.81	3.50	-22.57	24.56
Groundnut	*	-	-			*	-	-	-	-	*	-	-	-	-
Sufflower	423.93	*	*	*	*	3377.89	578.62	*	*	*	7.97	*	*	*	*
Sesame	608.29	122.17	*	*	*	4214.09	213.77	*	*	*	6.93	1.75	*	*	*
Rapeseed	-	*	*	*	*	-	*	*	*	*	-	*	*	*	*

Table 4.4 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**340612.22**	**331694.43**	**370812.03**	**8.87**	**11.79**	**3908094.89**	**2466044.47**	**4501020.60**	**15.17**	**82.52**					
Cereals	**253663.08**	**234444.10**	**272250.81**	**7.33**	**16.13**	**2977951.35**	**1798195.65**	**3474797.50**	**16.68**	**93.24**					
Teff	87360.61	87338.36	84577.33	-3.19	-3.16	775842.05	598594.58	795290.14	2.51	32.86	8.88	6.85	9.40	5.86	37.23
Barley	36833.99	32487.03	37558.25	1.97	15.61	492280.95	274908.98	552169.74	12.17	100.86	13.36	8.46	14.70	10.03	73.76
Wheat	51567.76	65268.69	60218.39	16.78	-7.74	628906.68	504478.47	774264.97	23.11	53.48	12.20	7.73	12.86	5.41	66.36
Maize	13267.04	8334.14	10694.28	-19.39	28.32	213991.63	55763.87	157023.51	-26.62	181.59	16.13	6.69	14.68	-8.99	119.43
Sorghum	59588.38	36518.32	74896.14	25.69	105.09	809902.98	328900.79	1140166.53	40.78	246.66	13.59	9.01	15.22	11.99	68.92
Finger Millet	637.95	942.57	*	*	*	7021.80	6486.89	*	*	*	11.01	6.88	*	*	*
Oats/'Aja'	4320.90	3447.86	3677.41	-14.89	6.66	48699.83	27444.44	46608.74	-4.29	69.83	11.27	7.96	12.67	12.42	59.17
Rice	86.45	*	-	*	*	1305.44	*	-	-	-	15.10	*	-	*	*
Pulses	**80306.83**	**90766.77**	**91178.12**	**13.54**	**0.45**	**898541.61**	**644371.62**	**986831.60**	**9.83**	**53.15**					
Faba Beans	31062.48	28307.99	26238.75	-15.53	-7.31	442442.34	238645.27	402612.43	-9.00	68.71	14.24	8.43	15.34	7.72	81.97
Field Pease	12762.62	19644.18	22336.22	75.01	13.70	106192.94	114355.39	170445.04	60.51	49.05	8.32	5.82	7.63	-8.29	31.10
Haricot beans	3129.62	4944.07	6377.75	103.79	29.00	29573.65	30754.30	63222.94	113.78	105.57	9.45	6.22	9.91	4.87	59.32
Chick-Peas	11277.21	15279.18	12595.92	11.69	-17.56	112690.61	138281.59	154267.54	36.89	11.56	9.99	9.05	12.25	22.62	35.36
Lentils	10969.33	13216.01	13975.73	27.41	5.75	77928.41	57827.53	104504.75	34.10	80.72	7.10	4.38	7.48	5.35	70.78
Grass Peas	8367.05	5369.10	5549.48	-33.67	3.36	105359.31	43229.31	59052.12	-43.95	36.60	12.59	8.05	10.64	-15.49	32.17
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	2726.03	4006.23	4104.27	50.56	2.45	24266.47	21278.22	32726.78	34.86	53.80	8.90	5.31	7.97	-10.45	50.09
Gibto	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Oilseeds	**6642.31**	**6483.56**	**7383.09**	**11.15**	**13.87**	**31601.93**	**23477.20**	**39391.50**	**24.65**	**67.79**					
Neug	2860.02	4455.64	3642.39	27.36	-18.25	10565.91	16579.05	15543.55	47.11	-6.25	3.69	3.72	4.27	15.72	14.78
Linseed	2806.80	1416.00	2134.49	-23.95	50.74	12550.12	3693.95	10406.33	-17.08	181.71	4.47	2.61	4.88	9.17	86.97
Groundnut	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sufflower	154.83	*	*	*	*	1530.17	*	*	*	*	9.88	*	*	*	*
Sesame	750.38	*	*	*	*	6477.24	*	*	*	*	8.63	*	*	*	*
Rapeseed	68.24	148.11	286.79	320.27	93.63	478.49	551.53	*	*	*	7.01	3.72	*	*	*

Table 4.5 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**352268.09**	**375239.29**	**359430.89**	**2.03**	**-4.21**	**3755621.06**	**2514179.26**	**4471652.21**	**19.07**	**77.86**					
Cereals	**273224.82**	**278583.85**	**282472.96**	**3.38**	**1.40**	**2995383.81**	**1846684.63**	**3642436.95**	**21.60**	**97.24**					
Teff	78689.62	102871.58	80618.83	2.45	-21.63	630058.77	540996.02	742352.41	17.82	37.22	8.01	5.26	9.21	14.98	75.10
Barley	34348.05	42709.43	45029.89	31.10	5.43	368296.27	306036.11	565507.30	53.55	84.78	10.72	7.17	12.56	17.16	75.17
Wheat	62652.99	64491.38	58947.60	-5.91	-8.60	738657.15	603845.03	882261.54	19.44	46.11	11.79	9.36	14.97	26.97	59.94
Maize	7794.63	5174.58	6505.13	-16.54	25.71	78331.57	27020.43	71706.63	-8.46	165.38	10.05	5.22	11.02	9.65	111.11
Sorghum	89334.53	63175.63	91311.35	2.21	44.54	1176045.84	367219.16	1379814.10	17.33	275.75	13.16	5.81	15.11	14.82	160.07
Finger Millet	266.73	*	-	*	*	2819.61	*	-	*	*	10.57	*	-	*	*
Oats/'Aja'	138.27	*	*	*	*	1174.61	*	*	*	*	8.50	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**72659.95**	**89412.18**	**69218.99**	**-4.74**	**-22.58**	**731295.02**	**649638.04**	**789569.82**	**7.97**	**21.54**					
Faba Beans	30835.17	42549.32	34067.33	10.48	-19.93	387642.32	357782.99	534522.39	37.89	49.40	12.57	8.41	15.69	24.82	86.56
Field Pease	9873.19	14536.37	15681.74	58.83	7.88	66177.62	74975.17	112369.62	69.80	49.88	6.70	5.16	7.17	7.01	38.95
Haricot beans	2017.12	3068.52	2864.29	42.00	-6.66	14136.53	10371.42	21686.79	53.41	109.10	7.01	3.38	7.57	7.99	123.96
Chick-Peas	16048.67	16482.98	7167.97	-55.34	-56.51	152701.17	114105.24	63896.74	-58.16	-44.00	9.51	6.92	8.91	-6.31	28.76
Lentiis	8657.23	5988.29	6290.45	-27.34	5.05	51869.49	23566.09	26306.08	-49.28	11.63	5.99	3.94	4.18	-30.22	6.09
Grass Peas	3917.89	5186.30	*	*	*	50799.11	60306.93	*	*	*	12.97	11.63	*	*	*
Soya Beans	10.78	-	-	-	-	0.00	-	-	-	-	0.00	-	-	-	-
Fenugreek	1281.62	1600.41	1329.54	3.74	-16.93	7875.51	8530.20	8297.00	5.35	8.31	6.14	5.33	6.24	1.63	17.07
Gibto	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Oilseeds	**6383.32**	**7243.25**	**7738.95**	**21.24**	**6.84**	**28942.23**	**17856.59**	**39645.44**	**36.98**	**122.02**					
Neug	847.67	1039.59	896.66	5.78	-13.75	2322.42	1528.34	2258.16	-2.77	47.75	2.74	1.47	2.52	-8.03	71.43
Linseed	3594.06	4591.26	4099.08	14.05	-10.72	12320.81	9314.91	15177.89	23.19	62.94	3.43	2.03	3.70	7.87	82.27
Groundnut	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sufflower	620.05	258.07	705.29	13.75	173.29	4839.70	2090.85	7571.22	56.44	262.11	7.81	8.10	10.73	37.39	32.47
Sesame	1248.74	1274.17	1802.99	44.38	41.50	9058.27	4601.28	*	*	*	7.25	3.61	*	*	*
Rapeseed	65.43	80.16 *	*		*	389.26	0.00	*	*	*	5.95	0.00	*	*	*

Table 4.6 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

East Gojam Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**429724.63**	**401783.96**	**430141.33**	**0.10**	**7.06**	**5419394.24**	**3652412.71**	**5812485.03**	**7.25**	**59.14**					
Cereals	**338860.27**	**318023.62**	**340308.81**	**0.43**	**7.01**	**4582189.37**	**3071230.33**	**4917029.26**	**7.31**	**60.10**					
Teff	169824.93	165674.77	164786.97	-2.97	-0.54	1969216.35	1612354.26	2323619.23	18.00	44.11	11.60	9.73	14.10	21.55	44.91
Barley	41914.13	46904.54	51812.65	23.62	10.46	483543.44	343554.42	443495.95	-8.28	29.09	11.54	7.32	8.56	-25.82	16.94
Wheat	58851.09	60260.39	75412.21	28.14	25.14	923962.39	656083.38	1155065.50	25.01	76.05	15.70	10.89	15.32	-2.42	40.68
Maize	46822.50	29522.00	26006.07	-44.46	-11.91	953600.35	332199.32	555433.90	-41.75	67.20	20.37	11.25	21.36	4.86	89.87
Sorghum	19832.47	14697.91	22224.04	12.06	51.21	236872.29	122401.25	*	*	*	11.94	8.33	*	*	*
Finger Millet	1547.38	*	*	*	*	13980.47	*	*	*	*	9.03	*	*	*	*
Oats/'Aja'	67.77	*	*	*	*	1014.08	*	*	*	*	14.96	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**70374.08**	**64337.09**	**68309.42**	**-2.93**	**6.17**	**739030.46**	**509476.19**	**748286.27**	**1.25**	**46.87**					
Faba Beans	21122.90	24721.96	25709.26	21.71	3.99	248839.93	210622.74	320978.04	28.99	52.39	11.78	8.52	12.48	5.94	46.48
Field Pease	11114.92	11594.27	16775.72	50.93	44.69	87355.12	70112.09	134799.55	54.31	92.26	7.86	6.05	8.04	2.29	32.89
Haricot beans	4618.88	4742.13	8934.89	93.44	88.42	40718.82	21262.66	71752.28	76.21	237.46	8.82	4.48	8.03	-8.96	79.24
Chick-Peas	16028.93	8236.10	4210.52	-73.73	-48.88	168663.08	57783.90	38231.49	-77.33	-33.84	10.52	7.02	9.08	-13.69	29.34
Lentils	1884.36	*	*	*	*	10032.76	*	*	*	*	5.32	*	*	*	*
Grass Peas	13962.52	11505.98	11060.53	-20.78	-3.87	169591.66	116230.44	166965.37	-1.55	43.65	12.15	10.10	15.10	24.28	49.50
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	447.93	733.22	345.41	-22.89	-52.89	2196.19	3319.11	*	*	*	4.90	4.53	*	*	*
Gibto	1146.39	*	*	*	*	11358.87	*	*	*	*	9.91	*	*	*	*
Oilseeds	**20490.28**	**19423.24**	**21523.10**	**5.04**	**10.81**	**98174.41**	**71706.20**	**147169.51**	**49.91**	**105.24**					
Neug	16311.22	14545.26	14455.38	-11.38	-0.62	70712.64	38717.39	92345.07	30.59	138.51	4.34	2.66	6.39	47.24	140.23
Linseed	2745.05	2198.87	3822.23	39.24	73.83	13675.52	5438.67	16287.29	19.10	199.47	4.98	2.47	4.26	-14.46	72.47
Groundnut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sufflower	46.98	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Sesame	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Rapeseed	1346.64	2631.17	3060.56	127.27	16.32	13459.67	27497.40	38280.85	184.41	39.22	10.00	10.45	12.51	25.10	19.71

Table 4.7 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

West Gojam Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**406356.57**	**402432.63**	**448033.17**	**10.26**	**11.33**	**5686664.69**	**4583592.23**	**6005758.42**	**5.61**	**31.03**					
Cereals	**316613.68**	**312779.18**	**346472.71**	**9.43**	**10.77**	**4988458.21**	**3955996.29**	**5238361.92**	**5.01**	**32.42**					
Teff	102547.05	107436.51	106003.39	3.37	-1.33	891801.22	889475.58	916137.98	2.73	3.00	8.70	8.28	8.64	-0.69	4.35
Barley	26190.86	40275.46	38597.85	47.37	-4.17	299753.92	408009.03	320498.98	6.92	-21.45	11.44	10.13	8.30	-27.45	-18.07
Wheat	15753.60	14808.97	18839.74	19.59	27.22	247049.26	201641.97	*	*	*	15.68	13.62	*	*	*
Maize	110650.02	86424.91	109621.46	-0.93	26.84	2879413.73	1739738.86	2890103.75	0.37	66.12	26.02	20.13	26.36	1.31	30.95
Sorghum	3140.62	*	*	*	*	34961.10	*	*	*	*	11.13	*	*	*	*
Finger Millet	58140.74	59763.76	69199.24	19.02	15.79	633820.14	660239.83	761060.18	20.08	15.27	10.90	11.05	11.00	0.92	-0.45
Oats/'Aja'	190.78	*	-	*	*	1658.85	*	-	-	-	8.70	*	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**46662.89**	**38031.51**	**42813.67**	**-8.25**	**12.57**	**486010.60**	**363654.88**	**425152.45**	**-12.52**	**16.91**					
Faba Beans	18076.52	20688.61	23221.87	28.46	12.24	225755.97	227360.05	261708.93	15.93	15.11	12.49	10.99	11.27	-9.77	2.55
Field Pease	6507.16	7621.22	8163.26	25.45	7.11	50377.20	53951.32	64577.07	28.19	19.70	7.74	7.08	7.91	2.20	11.72
Haricot beans	1702.93	4112.61	4946.28	190.46	20.27	16114.55	36857.88	42866.62	166.01	16.30	9.46	8.96	8.67	-8.35	-3.24
Chick-Peas	7540.53	*	*	*	*	57055.83	*	*	*	*	7.57	*	*	*	*
Lentils	138.86	*	*	*	*	567.61	*	*	*	*	4.09	*	*	*	*
Grass Peas	10106.37	*	*	*	*	113504.83	*	*	*	*	11.23	*	*	*	*
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	288.54	*	*	*	*	1052.78	*	*	*	*	3.65	*	*	*	*
Gibto	2292.95	4653.68	5261.62	129.47	13.06	21469.14	37289.10	46632.66	117.21	25.06	9.36	8.01	8.86	-5.34	10.61
Oilseeds	**43080.00**	**51621.94**	**58746.79**	**36.37**	**13.80**	**212195.88**	**263941.06**	**342244.05**	**61.29**	**29.67**					
Neug	36044.74	40126.41	46678.72	29.50	16.33	123603.01	126594.91	180032.14	45.65	42.21	3.43	3.15	3.86	12.54	22.54
Linseed	2094.00	3747.47	3059.72	46.12	-18.35	9111.55	15935.95	17350.95	90.43	8.88	4.35	4.25	5.67	30.34	33.41
Groundnut	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sufflower	54.24	-	*	-	-	311.51	-	*	-	-	5.74	-	*	*	*
Sesame	*	-	*	-	-	*	-	*	-	-	*	-	*	*	*
Rapeseed	4703.15	7748.06	8922.88	89.72	15.16	78462.98	121410.19	144399.42	84.04	18.94	16.68	15.67	16.18	-3.00	3.25

Table 4.8 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03
Total Grains	**67427.38**	**74049.73**	**76621.76**	**13.64**	**3.47**	**489294.99**	**402665.15**	**455580.94**	**-6.89**	**13.14**					
Cereals	**52893.60**	**56414.36**	**62375.02**	**17.93**	**10.57**	**382543.74**	**304560.81**	**350303.88**	**-8.43**	**15.02**					
Teff	18886.71	19266.26	23054.76	22.07	19.66	107939.24	99312.74	107187.55	-0.70	7.93	5.72	5.15	4.65	-18.71	-9.71
Barley	10996.75	14362.12	12666.27	15.18	-11.81	82618.23	87525.64	83528.45	1.10	-4.57	7.51	6.09	6.59	-12.25	8.21
Wheat	6493.88	7451.50	8549.84	31.66	14.74	50159.29	49814.12	53708.21	7.08	7.82	7.72	6.69	6.28	-18.65	-6.13
Maize	1292.82	1897.48	1945.67	50.50	2.54	8542.38	7452.28	8949.98	4.77	20.10	6.61	3.93	4.60	-30.41	17.05
Sorghum	14923.54	12988.81	15444.52	3.49	18.91	131367.87	57426.58	91828.76	-30.10	59.91	8.80	4.42	5.95	-32.39	34.62
Finger Millet	299.49	448.19	713.96	138.39	59.30	1914.77	3029.45	*	*	*	6.39	6.76	*	*	*
Oats/'Aja'	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**13089.33**	**15461.93**	**12482.92**	**-4.63**	**-19.27**	**102323.44**	**93208.69**	**100016.41**	**-2.25**	**7.30**					
Faba Beans	7129.48	9376.42	7549.47	5.89	-19.48	68982.12	64095.64	69675.80	1.01	8.71	9.68	6.84	9.23	-4.65	34.94
Field Pease	1712.00	2268.71	2329.08	36.04	2.66	12384.39	12376.28	18140.90	46.48	46.58	7.23	5.46	7.79	7.75	42.67
Haricot beans	1194.47	193.47	257.06	-78.48	32.87	5128.05	617.60	1143.26	-77.71	85.11	4.29	3.19	4.45	3.73	39.50
Chick-Peas	1030.37	1465.11	503.92	-51.09	-65.61	6173.03	8299.90	2292.27	-62.87	-72.38	5.99	5.67	4.55	-24.04	-19.75
Lentils	2012.29	2144.54	1801.00	-10.50	-16.02	9647.28	7804.37	8696.42	-9.86	11.43	4.79	3.64	4.83	0.84	32.69
Grass Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Soya Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	3.64	*	*	*	*	8.57	14.90	*	*	*	2.35	*	*	*	*
Gibto	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Oilseeds	**1444.45**	**2173.44**	**1763.83**	**22.11**	**-18.85**	**4427.81**	**4895.65**	**5260.64**	**18.81**	**7.46**					
Neug	156.04	330.91	462.41	196.34	39.74	290.09	435.66	868.42	199.36	99.33	1.86	1.32	1.88	1.08	42.42
Linseed	676.29	1024.58	887.78	31.27	-13.35	1662.40	2041.25	2281.08	37.22	11.75	2.46	1.99	2.57	4.47	29.15
Groundnut	*	-	-	-	-	*	- -		-	-	*	-	-	-	-
Sufflower	283.87	685.37	338.76	19.34	-50.57	1273.77	2258.90	1801.81	41.45	-20.24	4.49	3.30	5.32		
Sesame	*	*	*	*	*	*	* *		*	*	*	*	*	*	*
Rapeseed	*	-	-	-	-	*	- -		-	-	*	-	-	-	-

Table 4.9 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Agewawie Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**183412.13**	**161698.80**	**187457.31**	**2.21**	**15.93**	**2241745.81**	**1756325.23**	**2205699.71**	**-1.61**	**25.59**					
Cereals	**148459.17**	**124168.68**	**147943.00**	**-0.35**	**19.15**	**2079131.80**	**1568338.10**	**2014015.93**	**-3.13**	**28.42**					
Teff	50020.21	48642.62	50089.47	0.14	2.97	398161.10	408731.17	418396.03	5.08	2.36	7.96	8.40	8.35	4.90	-0.60
Barley	13967.23	5873.68	6691.16	-52.09	13.92	158054.30	63465.68	76898.20	-51.35	21.17	11.32	10.81	11.49	1.50	6.29
Wheat	4392.10	1967.01	5676.08	29.23	188.56	52607.88	18825.17	70972.92	34.91	277.01	11.98	9.57	12.50	4.34	30.62
Maize	33749.38	28636.91	35441.58	5.01	23.76	958321.98	641321.08	912057.00	-4.83	42.22	28.40	22.39	25.73	-9.40	14.92
Sorghum	7511.40	*	*	*	*	99974.82	*	*	*	*	13.31	*	*	*	*
Finger Millet	38576.92	35580.01	45064.16	16.82	26.66	409626.95	390702.89	478952.60	16.92	22.59	10.62	10.98	10.63	0.09	-3.19
Oats/'Aja'	128.68	*	*	*	*	1320.15	*	*	*	*	10.26	*	*	*	*
Rice	113.25	*	*	*	*	1064.62	*	*	*	*	9.40	*	*	*	*
Pulses	**9095.90**	**8716.91**	**9643.32**	**6.02**	**10.63**	**65343.08**	**61825.01**	**65850.02**	**0.78**	**6.51**					
Faba Beans	3171.21	2552.20	2592.08	-18.26	1.56	29745.92	21354.82	25013.10	-15.91	17.13	9.38	8.37	9.65	2.88	15.29
Field Pease	2897.77	1785.58	2226.43	-23.17	24.69	16694.95	10633.05	13433.27	-19.54	26.34	5.76	5.95	6.03	4.69	1.34
Haricot beans	612.93	*	*	*	*	0.00	*	*	*	*	0.00	*	*	*	*
Chick-Peas	489.82	-	-	-	-	2390.09	-	-	-	-	4.88	-	-	-	-
Lentils	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Grass Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Soya Beans	*	-	*	-	-	*	-	*	-	-	*	-	*	-	-
Fenugreek	21.23	60.93	91.03	328.78	49.40	82.46	217.51	344.56	317.85	58.41	3.88	3.57	3.79	-2.32	6.16
Gibto	1682.04	2786.16	2781.63	65.37	-0.16	8736.61	15024.59	12610.99	44.35	-16.06	5.19	5.39	4.53	-12.72	-15.96
Oilseeds	**25857.06**	**28813.21**	**29870.99**	**15.52**	**3.67**	**97270.93**	**126162.12**	**125833.75**	**29.36**	**-0.26**					
Neug	21922.26	25861.60	23371.54	6.61	-9.63	62803.41	98663.21	70647.79	12.49	-28.40	2.86	3.82	3.02	5.59	-20.94
Linseed	671.28	356.21	972.69	44.90	173.07	1550.09	585.54	1970.08	27.09	236.46	2.31	1.64	2.03	-12.12	23.78
Groundnut	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Sufflower	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sesame	691.01	*	*	*	*	0.00	*	*	*	*	0.00	*	*	*	*
Rapeseed	897.89	850.49	1608.96	79.19	89.18	13722.31	11414.26	17676.92	28.82	54.87	15.28	13.42	10.99	-28.08	-18.11

Table 4.10 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Oromia Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**44628.06**	61194.45	56925.93	**27.56**	**-6.98**	**500193.49**	401441.03	733319.12	**46.61**	**82.67**					
Cereals	**41333.64**	56187.13	51764.02	**25.23**	**-7.87**	**476189.68**	381466.57	697503.82	**46.48**	**82.85**					
Teff	8991.75	9924.03	11190.44	24.45	12.76	79003.10	48493.34	112702.98	42.66	132.41	8.79	4.89	10.07	14.56	105.93
Barley	599.41	733.56	698.94	16.60	-4.72	6523.81	5481.82	9283.12	42.30	69.34	10.88	7.47	13.28	22.06	77.78
Wheat	77.15	*	*	*	*	670.02	*	*	*	*	8.68	*	*	*	*
Maize	7087.82	5745.91	6553.22	-7.54	14.05	77732.41	31584.00	89956.17	15.73	184.82	10.97	5.50	13.73	25.16	149.64
Sorghum	24413.12	39328.24	33026.60	35.28	-16.02	310588.19	292539.76	482049.21	55.21	64.78	12.72	7.44	14.60	14.78	96.24
Finger Millet	90.01	100.81	*	*	*	799.43	0.00	*	*	*	8.88	*	*	*	*
Oats/'Aja'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Rice	33.49	*	*	*	*	317.67	*	*	*	*	9.49	*	*	*	*
Pulses	**1526.57**	3011.73	2734.17	**79.11**	**-9.22**	**11005.00**	12318.99	20200.41	**83.56**	**63.98**					
Faba Beans	222.97	*	*	*	*	3043.15	*	*	*	*	13.65	*	*	*	*
Field Pease	143.95	*	*	*	*	1601.36	*	*	*	*	11.12	*	*	*	*
Haricot beans	468.66	1326.73	1173.17	150.32	-11.57	2162.79	3497.33	7114.84	228.97	103.44	4.61	2.64	6.06	31.45	129.55
Chick-Peas	612.55	312.93	696.00	13.62	122.41	3685.72	1341.78	4723.57	28.16	252.04	6.02	4.29	6.79	12.79	58.28
Lentils	75.17	*	*	*	*	499.98	*	*	*	*	6.65	*	*	*	*
Grass Peas	*	-	*	-	*	*	-	*	*	*	*	-	*	-	-
Soya Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**1767.85**	1995.60	2427.74	**37.33**	**21.65**	**12998.81**	7655.47	15614.89	**20.13**	**103.97**					
Neug	74.53	*	*	*	*	249.13	*	327.97	31.65	*	3.34	*	*	*	*
Linseed	38.74	76.23	106.79	175.66	40.09	99.90	126.22	317.52	217.84	151.56	2.58	1.66	2.97	15.12	78.92
Groundnut	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Sufflower	126.60	133.96	*	*	*	763.13	603.36	*	*	*	6.03	4.50	*	*	*
Sesame	1470.52	1647.84	1863.62	26.73	13.09	11047.16	6362.61	11077.58	0.28	74.10	7.51	3.86	5.94	-20.91	53.89
Rapeseed	*	*	123.77	*	*	*	*	2212.97	*	*	*	*	17.88	*	*

Table 5. Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Oromia Region

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**3463968.53**	**3508690.94**	**3865320.31**	**11.59**	**10.16**	**48949524.89**	**37000783.61**	**62134207.29**	**26.94**	**67.93**					
Cereals	**2911616.17**	**2900878.01**	**3198113.76**	**9.84**	**10.25**	**44260457.24**	**32823235.76**	**56561355.07**	**27.79**	**72.32**					
Teff	762119.72	803148.30	797096.30	4.59	-0.75	7132516.16	6371320.41	8751500.26	22.70	37.36	9.36	7.93	10.97	17.20	38.34
Barley	367426.19	351397.51	438023.33	19.21	24.65	4773395.38	3348186.03	6306065.63	32.11	88.34	12.99	9.53	13.78	6.08	44.60
Wheat	545923.45	527049.73	570317.70	4.47	8.21	8595217.36	6345180.83	10796093.52	25.61	70.15	15.74	12.04	18.82	19.57	56.31
Maize	729461.83	702705.41	783176.90	7.36	11.45	16603874.24	11150537.15	19600206.27	18.05	75.78	22.76	15.87	24.03	5.58	51.42
Sorghum	437397.55	426498.34	507058.61	15.93	18.89	6355852.91	4678142.24	9868787.22	55.27	110.96	14.53	10.97	19.46	33.93	77.39
Finger Millet	49335.52	71930.69	73883.85	49.76	2.72	546501.28	763348.21	776108.72	42.01	1.67	11.08	10.61	10.50	-5.23	-1.04
Oats/'Aja'	19366.68	17714.09	28471.73	47.01	60.73	243587.90	161065.72	461453.53	89.44	186.50	12.58	9.09	16.21	28.86	78.33
Rice	585.23	433.95	*	*	*	9512.02	5455.18	*	*	*	16.25	12.57	*	*	*
Pulses	**363960.71**	**381007.46**	**312395.80**	**-14.17**	**-18.01**	**3780677.15**	**3304071.27**	**4042885.64**	**6.94**	**22.36**					
Faba Beans	137377.84	136972.39	128209.45	-6.67	-6.40	1674197.88	1402545.98	1740140.62	3.94	24.07	12.19	10.24	13.38	9.76	30.66
Field Pease	64706.78	74398.63	63777.11	-1.44	-14.28	567644.28	584987.52	660248.28	16.31	12.87	8.77	7.86	9.70	10.60	23.41
Haricot beans	63451.13	88196.43	87591.01	38.04	-0.69	558896.85	596120.50	1313567.62	135.03	120.35	8.81	6.76	14.89	69.01	120.27
Chick-Peas	55644.95	39930.61	14682.79	-73.61	-63.23	587091.16	429298.18	190807.29	-67.50	-55.55	10.55	10.75	12.98	23.03	20.74
Lentils	14003.14	10256.22	6614.82	-52.76	-35.50	87532.12	32927.02	29134.74	-66.72	-11.52	6.25	3.21	4.40	-29.60	37.07
Grass Peas	21973.47	18992.33	6049.61	-72.47	-68.15	263707.90	210396.00	67760.90	-74.30	-67.79	12.00	11.08	11.20	-6.67	1.08
Soya Beans	254.31	-	-	-	-	1422.20	-	-	-	-	5.59	-	-	-	-
Fenugreek	6549.10	12260.85	5471.01	-16.46	-55.38	40184.75	47796.07	41226.18	2.59	-13.75	6.14	3.90	7.54	22.80	93.33
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**188391.65**	**226805.46**	**291856.57**	**54.92**	**28.68**	**908390.50**	**873476.57**	**1529966.58**	**68.43**	**75.16**					
Neug	93154.34	99694.67	116912.96	25.50	17.27	324256.03	353219.13	525452.97	62.05	48.76	3.48	3.54	4.49	29.02	26.84
Linseed	68819.37	97531.79	130869.83	90.16	34.18	391211.26	329792.05	720682.37	84.22	118.53	5.68	3.38	5.51	-2.99	63.02
Groundnut	10095.95	8857.14	11542.59	14.33	30.32	77559.23	61081.14	97934.29	26.27	60.33	7.68	6.90	8.48	10.42	22.90
Sufflower	916.05	294.01	*	*	*	6143.14	1741.66	*	*	*	6.71	5.92	*	*	*
Sesame	9908.61	15917.04	27120.34	173.70	70.39	64974.53	98222.18	154256.68	137.41	57.05	6.56	6.17	5.69	-13.26	-7.78
Rapeseed	5497.34	4510.82	4766.90	-13.29	5.68	44246.31	29420.41	25907.07	-41.45	-11.94	8.05	6.52	5.39	-33.04	-17.33

Table 5.1 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**228023.50**	**245531.21**	**264283.09**	**15.90**	**7.64**	**3318200.37**	**3612047.70**	**3488604.69**	**5.14**	**-3.42**					
Cereals	**195354.63**	**213722.23**	**221681.47**	**13.48**	**3.72**	**3105583.53**	**3399664.50**	**3253877.04**	**4.78**	**-4.29**					
Teff	31521.12	21919.83	20166.37	-36.02	-8.00	216228.54	142754.11	129735.16	-40.00	-9.12	6.86	6.51	6.43	-6.27	-1.23
Barley	3474.67	1908.77	1645.19	-52.65	-13.81	27828.82	16942.84	12997.42	-53.30	-23.29	8.01	8.88	7.90	-1.37	-11.04
Wheat	10964.04	9713.29	13679.33	24.77	40.83	131982.70	134198.92	204561.19	54.99	52.43	12.04	13.82	14.95	24.17	8.18
Maize	80460.24	89634.45	93076.52	15.68	3.84	1796982.20	1847556.50	1770651.87	-1.47	-4.16	22.33	20.61	19.02	-14.82	-7.71
Sorghum	44585.09	60238.86	57573.65	29.13	-4.42	691333.96	966591.93	813135.84	17.62	-15.88	15.51	16.05	14.12	-8.96	-12.02
Finger Millet	24164.60	30283.11	35527.93	47.02	17.32	239271.90	291477.65	322693.14	34.86	10.71	9.90	9.63	9.08	-8.28	-5.71
Oats/'Aja'	184.87	*	*	*	*	1955.41	*	*	*	*	10.58	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**19878.86**	**17999.23**	**18780.18**	**-5.53**	**4.34**	**161924.64**	**167283.32**	**158526.87**	**-2.10**	**-5.23**					
Faba Beans	7199.49	6857.54	6125.74	-14.91	-10.67	62398.72	62305.83	56619.68	-9.26	-9.13	8.67	9.09	9.24	6.57	1.65
Field Pease	3682.07	2008.23	3234.91	-12.14	61.08	26600.23	16198.51	14988.14	-43.65	-7.47	7.22	8.07	4.63	-35.87	-42.63
Haricot beans	7264.28	8780.01	9381.73	29.15	6.85	60851.51	85949.84	86675.19	42.44	0.84	8.38	9.79	9.24	10.26	-5.62
Chick-Peas	1367.53	*	*	*	*	10544.21	*	*	*	*	7.71	*	*	*	*
Lentils	48.19	*	*	*	*	249.10	*	*	*	*	5.17	*	*	*	*
Grass Peas	98.36	-	-	-	-	366.44	-	-	-	-	3.73	-	-	-	-
Soya Beans	8.77	-	-	-	-	44.35	-	-	-	-	5.06	-	-	-	-
Fenugreek	210.17	80.64	*	*	*	870.08	*	*	*	*	4.14	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**12790.01**	**13809.74**	**23821.44**	**86.25**	**72.50**	**50692.20**	**45099.88**	**76200.78**	**50.32**	**68.96**					
Neug	10179.98	12636.48	20888.05	105.19	65.30	33537.27	39821.07	63247.06	88.59	58.83	3.29	3.15	3.03	-7.90	-3.81
Linseed	230.87	300.57	536.56	132.41	78.51	753.31	1139.72	2076.47	175.65	82.19	3.26	3.79	3.87	18.71	2.11
Groundnut	19.84	*	*	*	*	82.85	*	*	*	*	4.18	*	*	*	*
Sufflower	54.60	-	-	-	-	455.40	-	-	-	-	8.34	-	-	-	-
Sesame	1051.93	*	1707.23	*	*	6874.86	*	*	*	*	6.54	*	*	*	*
Rapeseed	1252.79	*	548.43	*	*	8988.51	1893.53	2505.96	*	*	7.17	*	4.57	*	*

Table 5.2 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**301777.85**	**349885.91**	**389670.92**	**29.13**	**11.37**	**4432718.68**	**4446194.77**	**5481571.97**	**23.66**	**23.29**					
Cereals	**230212.60**	**260498.12**	**279700.15**	**21.50**	**7.37**	**4023675.33**	**3885054.06**	**4789951.06**	**19.04**	**23.29**					
Teff	86924.36	92723.64	83716.62	-3.69	-9.71	823284.46	793460.92	844103.35	2.53	6.38	9.47	8.56	10.08	6.44	17.76
Barley	15055.63	13864.02	11332.34	-24.73	-18.26	171397.62	161339.37	121504.37	-29.11	-24.69	11.38	11.64	10.72	-5.80	-7.90
Wheat	15306.65	25031.62	24572.88	60.54	-1.83	250880.25	346435.52	436743.09	74.08	26.07	16.39	13.84	17.77	8.42	28.40
Maize	74737.99	72025.97	93567.07	25.19	29.91	2119476.06	1499597.60	2112381.53	-0.33	40.86	28.36	20.82	22.58	-20.38	8.45
Sorghum	25049.93	32679.35	42133.86	68.20	28.93	506985.27	777777.83	989859.06	95.24	27.27	20.24	23.80	23.49	16.06	-1.30
Finger Millet	12592.24	23704.62	23907.62	89.86	0.86	144555.33	299863.35	280357.40	93.94	-6.50	11.48	12.65	11.73	2.18	-7.27
Oats/'Aja'	275.30	*	408.29	*	*	3210.84	*	4117.15	*	*	11.66	*	10.08	*	*
Rice	270.51	*	*	*	*	3885.51	*	*	*	*	14.36	*	*	*	*
Pulses	**18392.26**	**25003.85**	**20748.41**	**12.81**	**-17.02**	**194626.01**	**257326.75**	**218730.19**	**12.38**	**-15.00**					
Faba Beans	10924.09	12431.28	10518.47	-3.71	-15.39	130161.55	147151.05	124543.76	-4.32	-15.36	11.92	11.84	11.84	-0.67	0.00
Field Pease	5238.68	9597.28	8066.33	53.98	-15.95	43175.68	81956.20	72660.53	68.29	-11.34	8.24	8.54	9.01	9.34	5.50
Haricot beans	1668.49	*	1910.63	*	*	17778.36	*	*	*	*	10.66	*	*	*	*
Chick-Peas	410.46	-	*	*	*	2895.69	-	*	-	-	7.05	-	*	-	-
Lentils	21.59	*	42.39	*	*	72.05	*	52.60	*	*	3.34	*	1.24	*	*
Grass Peas	15.93	-	-	-	-	0.00	-	-	-	-	0.00	-	-	-	-
Soya Beans	30.01	-	-	-	-	0.00	-	-	-	-	0.00	-	-	-	-
Fenugreek	83.01	*	164.94	*	*	293.66	*	479.46	*	*	3.54	*	2.91	*	*
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**53172.99**	**64383.94**	**89222.36**	**67.80**	**38.58**	**214417.34**	**303813.95**	**472890.72**	**120.55**	**55.65**					
Neug	42570.73	48840.70	61756.68	45.07	26.45	140966.29	195521.78	296260.76	110.16	51.52	3.31	4.00	4.80	45.02	20.00
Linseed	1425.59	975.77	*	*	*	4445.50	*	*	*	*	3.12	*	*	*	*
Groundnut	1235.84	842.53	1866.40	51.02	121.52	13084.52	*	28002.85	114.02	*	10.59	*	15.00	41.64	*
Sufflower	206.63	*	-	-	-	1048.19	281.81	-	-	-	5.07	*	-	-	-
Sesame	6620.72	12434.24	23178.11	250.08	86.41	44533.99	79696.51	136495.64	206.50	71.27	6.73	6.41	5.89	-12.48	-8.11
Rapeseed	1113.49	1239.41	1488.70	33.70	20.11	10338.85	*	8568.97	-17.12	*	9.29	*	5.76	-38.00	*

Table 5.3 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Illibabor Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**172655.58**	**160601.35**	**181697.57**	**5.24**	**13.14**	**2366308.07**	**2359996.98**	**2055603.14**	**-13.13**	**-12.90**					
Cereals	**154911.53**	**142205.46**	**158484.93**	**2.31**	**11.45**	**2248552.23**	**2236550.04**	**1911241.53**	**-15.00**	**-14.55**					
Teff	49032.47	40500.88	51237.94	4.50	26.51	433351.04	346012.11	458922.97	5.90	32.63	8.84	8.54	8.96	1.32	4.88
Barley	5184.93	1244.60	1069.93	-79.36	-14.03	38017.49	10206.30	6541.11	-82.79	-35.91	7.33	8.20	6.11	-16.59	-25.44
Wheat	3697.65	2592.21	4518.13	22.19	74.30	29652.29	23132.19	33165.33	11.85	43.37	8.02	8.92	7.34	-8.47	-17.71
Maize	70876.92	68731.31	70880.77	0.01	3.13	1405705.75	1417437.85	1020540.68	-27.40	-28.00	19.83	20.62	14.40	-27.39	-30.17
Sorghum	21334.68	21719.90	24044.48	12.70	10.70	284503.35	343731.39	319017.46	12.13	-7.19	13.34	15.83	13.27	-0.54	-16.19
Finger Millet	4546.06	7188.29	6702.70	47.44	-6.76	54711.08	95166.38	72835.29	33.13	-23.47	12.03	13.24	10.87	-9.67	-17.93
Oats/'Aja'	117.29	*	*	*	*	671.64	*	*	*	*	5.73	*	*	*	*
Rice	121.52	*	-	*	*	1939.59	*	-	-	-	15.96	*	*	*	*
Pulses	**14683.32**	**15687.88**	**17048.83**	**16.11**	**8.68**	**106051.11**	**109068.43**	**118672.40**	**11.90**	**8.81**					
Faba Beans	5211.57	4633.09	6033.42	15.77	30.22	38641.64	31981.48	46738.89	20.95	46.14	7.41	6.90	7.75	4.54	12.27
Field Pease	4689.05	5821.96	7101.90	51.46	21.98	30236.19	33123.29	41094.97	35.91	24.07	6.45	5.69	5.79	-10.29	1.70
Haricot beans	3399.28	4824.47	3660.19	7.68	-24.13	28484.99	41356.85	30100.81	5.67	-27.22	8.38	8.57	8.22	-1.86	-4.04
Chick-Peas	1150.57	*	-	-	-	7822.61	*	-	-	-	6.80	*	*	*	*
Lentils	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Grass Peas	79.52	-	-	-	-	353.32	-	-	-	-	4.44	-	-	-	-
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	144.69	200.93	253.33	75.08	26.08	504.86	802.25	737.74	46.13	-8.04	3.49	3.99			
Gibto	0.00	-	-	-	-	0.00	-	-	-	-	0.00	-	-	-	-
Oilseeds	**3060.73**	**2708.02**	**6163.80**	**101.38**	**127.61**	**11704.73**	**14378.50**	**25689.21**	**119.48**	**78.66**					
Neug	2048.47	1729.43	4825.80	135.58	179.04	6929.13	6192.55	19352.16	179.29	212.51	3.38	3.58	4.01	18.64	12.02
Linseed	407.25	336.71	394.02	-3.25	17.02	1333.19	1454.88	1508.12	13.12	3.66	3.27	4.32	3.83	17.05	-11.40
Groundnut	14.65	*	-	-	-	162.32	*	-	-	-	11.08	*	*	*	*
Sufflower	13.06	*	*	*	*	35.85	*	*	*	*	2.75	*	*	*	*
Sesame	337.56	*	587.97	*	*	2038.83	*	*	*	*	6.04	*	*	*	*
Rapeseed	239.75	*	*	*	*	1205.41	*	*	*	*	5.03	*	*	*	*

Table 5.4 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03
Total Grains	**306171.25**	**366838.74**	**394571.96**	**28.87**	**7.56**	**4691698.61**	**3669012.16**	**5820672.59**	**24.06**	**58.64**					
Cereals	**271039.05**	**323607.62**	**350153.54**	**29.19**	**8.20**	**4384005.73**	**3393195.44**	**5419330.80**	**23.62**	**59.71**					
Teff	83453.86	114257.03	124264.84	48.90	8.76	781245.27	796908.68	1447162.47	85.24	81.60	9.36	6.97	11.65	24.47	67.14
Barley	16803.73	12773.74	13193.73	-21.48	3.29	197799.23	84768.04	136537.48	-30.97	61.07	11.77	6.64	10.35	-12.06	55.87
Wheat	27798.29	34971.83	35968.20	29.39	2.85	353381.16	341751.46	454013.76	28.48	32.85	12.71	9.77	12.62	-0.71	29.17
Maize	102350.46	113282.79	120132.85	17.37	6.05	2479004.51	1770290.80	2624560.26	5.87	48.26	24.22	15.63	21.85	-9.79	39.80
Sorghum	34547.23	41647.83	51245.89	48.34	23.05	485430.74	339583.68	684489.07	41.01	101.57	14.05	8.15	13.36	-4.91	63.93
Finger Millet	4508.42	5455.28	3804.28	-15.62	-30.26	68388.72	50942.44	*	*	*	15.17	9.34	*	*	*
Oats/'Aja'	1411.56	1152.42	*	*	*	15082.39	8029.15	*	*	*	10.68	6.97	*	*	*
Rice	165.51	*	*	*	*	3673.71	*	*	*	*	22.20	*	*	*	*
Pulses	**24392.61**	**32256.45**	**31610.28**	**29.59**	**-2.00**	**269146.00**	**247775.47**	**332029.30**	**23.36**	**34.00**					
Faba Beans	13422.16	16953.37	21284.00	58.57	25.54	163917.80	139833.26	242267.53	47.80	73.25	12.21	8.25	11.38	-6.80	37.94
Field Pease	7927.54	13557.25	8783.97	10.80	-35.21	76013.39	100739.53	78673.90	3.50	-21.90	9.59	7.43	8.96	-6.57	20.59
Haricot beans	1214.58	1126.28	1100.34	-9.41	-2.30	0.00	5779.42	8926.68		54.46	0.00	5.13	8.11		58.09
Chick-Peas	1608.58	*	*	*	*	13004.44	243.17	*	*	*	8.08	*	*	*	*
Lentils	182.78	395.18	360.17	97.05	-8.86	703.65	1065.72	1576.82	124.09	47.96	3.85	2.70	4.38	13.77	62.22
Grass Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	14.34	*	*	*	*	37.99	*	*	*	*	2.65	*	*	*	*
Gibto	0.00	-	-	-	-	0.00	-	-	-	-	0.00	-	-	-	-
Oilseeds	**10739.59**	**10974.67**	**12808.15**	**19.26**	**16.71**	**38546.88**	**28041.25**	69312.50	**79.81**	**147.18**					
Neug	8411.79	8377.88	9540.27	13.42	13.87	29502.34	20002.75	*	*	*	3.51	2.39 *	*	*	
Linseed	1908.54	2012.07	3086.80	61.74	53.41	7014.06	5977.35	11441.38	63.12	91.41	3.68	2.97	3.71	0.82	24.92
Groundnut	*	* -	-	-		*	*	-	-	-	*	*	-	-	-
Sufflower	*	- -	-	-		*	-	-	-	-	*	-	-	-	-
Sesame	257.60	* *	*	*		1273.83	*	*	*	*	4.94	*	*	*	*
Rapeseed	58.77	431.18 *	*	*		216.59	1192.49	*	*	*	3.69	2.77	*	*	*

Table 5.5 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

West Shewa Zone (New)

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**582644.30**	**336777.97**	**397847.59**	**-31.72**	**18.13**	**8357811.82**	**5009055.42**	**6984575.78**	**-16.43**	**39.44**					
Cereals	**472082.32**	**282194.04**	**348330.76**	**-26.21**	**23.44**	**7283255.62**	**4415588.39**	**6450353.24**	**-11.44**	**46.08**					
Teff	201401.24	96647.85	94902.27	-52.88	-1.81	2258105.64	1195080.68	1278426.62	-43.38	6.97	11.21	12.37	13.47	20.16	8.89
Barley	67982.92	50588.11	67577.65	-0.60	33.58	876022.01	718937.10	875138.98	-0.10	21.73	12.89	14.21	12.95	0.47	-8.87
Wheat	82896.09	58802.88	79781.17	-3.76	35.68	1296863.12	992652.55	1451443.64	11.92	46.22	15.64	16.88	18.19	16.30	7.76
Maize	71657.72	41355.76	55231.69	-22.92	33.55	2023049.37	1031977.37	1622918.50	-19.78	57.26	28.23	24.95	29.38	4.07	17.76
Sorghum	46011.47	33756.22	50126.21	8.94	48.49	800918.53	465220.35	1214650.26	51.66	161.09	17.41	13.78	24.23	39.17	75.83
Finger Millet	843.70	*	-	-	-	14241.39	*	-	-	-	16.88	*	-	-	-
Oats/'Aja'	1289.18	917.66	711.78	-44.79	-22.44	14055.56	10012.63	7775.24	-44.68	-22.35	10.90	10.91	10.92	0.18	0.09
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**75592.28**	**32114.11**	**27756.26**	**-63.28**	**-13.57**	**914253.91**	**486099.67**	**427027.76**	**-53.29**	**-12.15**					
Faba Beans	25334.29	21109.07	18545.67	-26.80	-12.14	366073.75	346813.16	313654.47	-14.32	-9.56	14.45	16.43	16.91	17.02	2.92
Field Peas	8045.44	3877.47	5036.11	-37.40	29.88	87980.55	57571.39	80827.59	-8.13	40.40	10.94	14.85	16.05	46.71	8.08
Haricot beans	488.10	*	*	*	*	2093.30	*	*	*	*	4.29	*	*	*	*
Chick-Peas	27062.01	*	*	*	*	289657.15	*	*	*	*	10.70	*	*	*	*
Lentils	2152.37	663.80	690.57	-67.92	4.03	14129.17	3859.75	5308.67	-62.43	37.54	6.56	5.81	7.69	17.23	32.36
Grass Peas	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**	**21760.57**	**-37.77**	**-3.16**	**160302.29**	**107367.36**	**107194.79**	**-33.13**	**-0.16**					
Neug	21283.55	12630.72	9965.78	-53.18	-21.10	78232.37	48259.97	41413.65	-47.06	-14.19	3.68	3.82	4.16	13.04	8.90
Linseed	11894.15	8091.14	10646.19	-10.49	31.58	65758.36	45599.78	60904.17	-7.38	33.56	5.53	5.64	5.72	3.44	1.42
Groundnut	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sufflower	125.32	-	-	-	-	1143.02	-	-	-	-	9.12	-	-	-	-
Sesame	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Rapeseed	1658.49	1729.93	*	*	*	15167.62	13504.91	*	*	*	9.15	7.81	*	*	*

Table 5.6 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

South West Shewa Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains		**191288.88**	**203540.92**		**6.40**		**2272298.21**	**2788081.31**		22.70					
Cereals		**150675.34**	**174291.46**		15.67		**1895969.61**	**2483187.62**		30.97					
Teff		97472.64	104855.06		7.57		1160807.16	1300724.16		12.05		11.91	12.40		4.11
Barley		10910.71	15438.80		41.50		131773.13	173992.59		32.04		12.08	11.27		-6.71
Wheat		22946.55	30612.54		33.41		336910.92	533728.78		58.42		14.68	17.43		18.73
Maize		15358.17	17584.16		14.49		226208.58	381094.62		68.47		14.73	21.67		47.11
Sorghum		3655.43	5536.90		51.47		37196.09	91577.08		146.20		10.18	16.54		62.48
Finger Millet		*	*		*		*	*		*		*	*		*
Oats/'Aja'		*	263.09		*		*	2060.11		*		*	7.83		
Rice		-	-		-		-	-		-		-	-		-
Pulses		**34700.71**	**21663.38**		**-37.57**		**348923.04**	**270995.54**		-22.33					
Faba Beans		7413.04	8164.79		10.14		86164.88	105393.61		22.32		11.62	12.91		11.10
Field Peas		3813.61	4128.47		8.26		35439.18	52651.69		48.57		9.29	12.75		37.24
Haricot beans		*	*		*		*	3631.43		*		*	*		*
Chick-Peas		16256.46	5534.10		-65.96		163799.48	76265.71		-53.44		10.08	13.78		36.71
Lentils		784.68	129.48		-83.50		4005.74	816.54		-79.62		5.10	6.31		23.73
Grass Peas		5165.63	2391.77		-53.70		51833.08	31502.71		-39.22		10.03	13.17		31.31
Soya Beans		-	-		-		-	-		-		0.00	-		-
Fenugreek		123.76	*		*		445.01	*		*		3.60	*		*
Gibto		0.00	-		-		0.00	-		-		0.00	-		-
Oilseeds		**5912.82**	**7586.08**		**28.30**		**27405.57**	**33898.15**		**23.69**					
Neug		4798.65	5066.76		5.59		22727.22	21397.41		-5.85		4.74	4.22		-10.97
Linseed		1066.47	2362.39		121.51		4507.99	11641.16		158.23		4.23	4.93		16.55
Groundnut		-	-		-		-	-		-		-	-		-
Sufflower		-	*		*		-	*		*		*	*		*
Sesame		-	-		-		-	-		-		-	-		-
Rapeseed		47.69	145.47		205.03		170.35	754.61		342.98		3.57	5.19		45.38

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

Table 5.7 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

North Shewa(Oromia) Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**296663.50**	**280589.15**	**330006.60**	**11.24**	**17.61**	**2804516.48**	**1595168.64**	**3032598.21**	**8.13**	**90.11**					
Cereals	**236188.61**	**223623.34**	**283354.16**	**19.97**	**26.71**	**2302390.86**	**1274801.53**	**2626585.63**	**14.08**	**106.04**					
Teff	86394.35	97638.82	96848.06	12.10	-0.81	704319.64	529706.09	851175.55	20.85	60.69	8.15	5.43	8.79	7.85	61.88
Barley	58184.39	64272.54	88032.69	51.30	36.97	540930.81	365282.96	656606.31	21.38	79.75	9.30	5.68	7.46	-19.78	31.34
Wheat	39712.70	31032.89	44740.76	12.66	44.17	417864.32	211229.25	445894.49	6.71	111.10	10.52	6.81	9.97	-5.23	46.40
Maize	5328.45	4527.30	5225.66	-1.93	15.43	79886.69	33072.31	53196.73	-33.41	60.85	14.99	7.31	10.18	-32.09	39.26
Sorghum	45480.27	25148.49	47272.56	3.94	87.97	551401.49	129659.39	610866.01	10.78	371.13	12.12	5.16	12.92	6.60	150.39
Finger Millet	83.06	-	-	-	-	773.63	-	-	-	-	9.31	-	-	-	-
Oats/'Aja'	1005.40	1003.30	1234.42	22.78	23.04	7214.29	5851.55	8846.54	22.63	51.18	7.18	5.83	7.17	-0.14	22.98
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**52171.59**	**46915.06**	**37998.25**	**-27.17**	**-19.01**	**472328.42**	**300836.51**	**367777.65**	**-22.14**	**22.25**					
Faba Beans	27797.48	26023.87	24415.63	-12.17	-6.18	261943.92	182481.30	259965.22	-0.76	42.46	9.42	7.01	10.65	13.06	51.93
Field Peas	5891.26	5371.48	6409.95	8.80	19.33	37506.29	21800.37	45253.33	20.66	107.58	6.37	4.06	7.06	10.83	73.89
Haricot beans	55.13 *		*	*	*	313.24 *		*	*	*	5.68 *		*	*	*
Chick-Peas	6414.51	5275.19	*	*	*	65431.42	29316.41	*	*	*	10.20	5.56	*	*	*
Lentils	6232.37	3285.42	1412.10	-77.34	-57.02	42176.35	9056.94	3121.52	-92.60	-65.53	6.77	2.76	2.21	-67.36	-19.93
Grass Peas	5433.47	6368.35	*	*	*	63057.24	56308.74	*	*	*	11.61	8.84	*	*	*
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	319.49	*	*	*	*	1646.30	*	*	*	*	5.15	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**8303.30**	**10050.76**	**8654.19**	**4.23**	**-13.90**	**29797.20**	**19530.59**	**38234.93**	**28.32**	**95.77**					
Neug	3955.35	4371.80	3103.98	-21.52	-29.00	10621.36	6832.28	*	*	*	2.69	1.56	*	*	*
Linseed	3985.09	5523.70	4685.79	17.58	-15.17	16488.75	11674.71	16946.13	2.77	45.15	4.14	2.11	3.62	-12.56	71.56
Groundnut	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sufflower	294.48	*	*	*	*	2326.66	*	*	*	*	7.90	*	*	*	*
Sesame	*	-	*	*	*	*	-	*	*	*	*	-	*	*	*
Rapeseed	31.98	33.27	*	*	*	0.00	127.59	*	*	*	0.00	3.83	*	*	*

Table 5.8 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**382573.97**	**396272.62**	**374021.19**	**-2.24**	**-5.62**	**5739185.73**	**3819880.92**	**7522797.03**	**31.08**	**96.94**					
Cereals	**327618.02**	**325643.18**	**325539.13**	**-0.63**	**-0.03**	**5192441.64**	**3236769.10**	**6867660.61**	**32.26**	**112.18**					
Teff	111197.25	139801.35	118742.77	6.79	-15.06	965709.60	849686.60	1262643.57	30.75	48.60	8.68	6.08	10.63	22.47	74.84
Barley	12506.33	17182.28	13038.65	4.26	-24.12	182159.21	199258.03	224922.02	23.48	12.88	14.57	11.60	17.25	18.39	48.71
Wheat	57036.92	54154.32	48565.53	-14.85	-10.32	899347.16	742745.26	871409.81	-3.11	17.32	15.77	13.72	17.94	13.76	30.76
Maize	134050.33	104581.88	124972.48	-6.77	19.50	2988738.44	1368910.48	4061335.34	35.89	196.68	22.30	13.09	32.50	45.74	148.28
Sorghum	11592.19	8579.59	18931.30	63.31	120.66	144240.24	67218.33	*	*	*	12.44	7.83	*	*	*
Finger Millet	1039.07	1191.81	1238.73	19.22	3.94	9705.03	6807.02	11742.58	20.99	72.51	9.34	5.71	9.48	1.50	66.02
Oats/'Aja'	195.93	*	*	*	*	2541.97	2143.38 *		*	*	12.97	*	*	*	*
Rice	-	-	-	-	-	-	- -		-	-	-	-	-	-	-
Pulses	**53951.72**	**68901.01**	**47041.12**	**-12.81**	**-31.73**	**540885.02**	**572864.73**	648591.80	**19.91**	**13.22**					
Faba Beans	6982.12	6084.04	3780.17	-45.86	-37.87	76798.10	44324.55	45858.19	-40.29	3.46	11.00	7.29	12.13	10.27	66.39
Field Peas	5482.23	6033.63	3578.44	-34.73	-40.69	46675.45	*	20045.53	-57.05	*	8.51	0.00	5.60		
Haricot beans	21347.29	34635.11	33454.75	56.72	-3.41	198696.99	219711.66	506304.02	154.81	130.44	9.31	6.34	15.13	62.51	138.64
Chick-Peas	13669.60	14216.17	*	*	*	163588.46	189648.15 *		*	*	11.97	13.34	*	*	*
Lentils	2887.00	2153.56	854.83	-70.39	-60.31	18936.67	6377.66	3475.60	-81.65	-45.50	6.56	2.96	4.07	-37.96	37.50
Grass Peas	2857.17	4628.73	*	*	*	31880.60	61054.67 *		*	*	11.16	13.19	*	*	*
Soya Beans	*	-	-	-	-	*	- -		-	-	*	-	-	-	-
Fenugreek	724.91	1149.77	*	*	*	4308.76	8669.31 *		*	*	5.94	7.54	*	*	*
Gibto	-	-	-	-	-	-	- -		-	-	-	-	-	-	-
Oilseeds	**1004.23**	**1728.43**	**1440.93**	**43.49**	**-16.63**	**5859.07**	**10247.09**	6544.62	**11.70**	**-36.13**					
Neug	7.41	*	-	-	-	8.87	* -		-	-	1.20	*	-	-	-
Linseed	105.37	*	*	*	*	421.10	326.13 *		*	*	4.00	*	*	*	*
Groundnut	*	-	-	-	-	*	* -		-	-	*	-	-	-	-
Sufflower	52.84	*	*	*	*	316.24	203.00 *		*	*	5.98	*	*	*	*
Sesame	688.57	1084.79	656.87	-4.60	-39.45	4231.86	*	2980.37	-29.57	*	6.15	*	4.54	-26.18	*
Rapeseed	149.49	*	522.16	249.29	*	880.99	*	2575.08	192.29	*	5.89	*	4.93	-16.30	*

Table 5.9 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Arsi Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**537165.19**	**520727.94**	**512956.42**	**-4.51**	**-1.49**	**8507308.25**	**4961301.86**	**9615195.91**	**13.02**	**93.80**					
Cereals	**450477.84**	**424455.44**	**421162.66**	**-6.51**	**-0.78**	**7650932.16**	**4393948.24**	**8551725.15**	**11.77**	**94.63**					
Teff	57330.06	62212.03	77203.54	34.67	24.10	530316.97	319981.65	831303.48	56.76	159.80	9.25	5.14	10.77	16.43	109.53
Barley	110316.36	93072.46	97385.35	-11.72	4.63	1755630.34	938577.04	1636666.51	-6.78	74.38	15.91	10.08	16.81	5.66	66.77
Wheat	188077.15	183406.38	145444.33	-22.67	-20.70	3319378.34	2115465.73	3228446.94	-2.74	52.61	17.65	11.53	22.20	25.78	92.54
Maize	66682.03	59933.14	73376.40	10.04	22.43	1495172.25	699682.45	1914611.77	28.05	173.64	22.42	11.67	26.09	16.37	123.56
Sorghum	24330.13	22799.74	26649.46	9.53	16.88	502063.35	279954.73	916941.16	82.63	227.53	20.64	12.28	34.41	66.72	180.21
Finger Millet	263.98	217.13	-	-	-	2391.59	1932.47	-	-	-	9.06	8.90	-	-	-
Oats/'Aja'	3478.13	2814.57	1103.58	-68.27	-60.79	45979.31	0.00	*	*	*	13.22	0.00	*	*	*
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**49403.94**	**49624.14**	**40662.38**	**-17.69**	**-18.06**	**632639.40**	**431263.22**	**729809.71**	**15.36**	**69.23**					
Faba Beans	27373.74	21237.81	18451.44	-32.59	-13.12	413839.09	226224.92	357468.56	-13.62	58.01	15.12	10.65	19.37	28.11	81.88
Field Peas	11369.88	11166.24	7910.89	-30.42	-29.15	115484.37	107440.00	128594.28	11.35	19.69	10.16	9.62	16.26	60.04	69.02
Haricot beans	7092.76	12630.94	*	*	*	73289.90	0.00	*	*	*	10.33	0.00	*	*	*
Chick-Peas	949.55	*	*	*	*	8962.87	*	*	*	*	9.44	*	*	*	*
Lentils	555.28	856.68	*	*	*	2855.65	2688.05	1860.62	-34.84	-30.78	5.14	3.14	*	*	*
Grass Peas	1492.55	*	*	*	*	13082.07	1712.89	*	*	*	8.76	*	*	*	*
Soya Beans	39.60	-	-	-	-	831.69	-	-	-	-	21.00	-	-	-	-
Fenugreek	530.57	2803.83	890.19	67.78	-68.25	4293.77	12245.25	8581.38	99.86	-29.92	8.09	4.37	9.64	19.16	120.59
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**37283.41**	**46648.36**	**51131.38**	**37.14**	**9.61**	**223736.69**	**136090.40**	**333661.05**	**49.13**	**145.18**					
Neug	4375.73	*	*	*	*	23412.30	*	*	*	*	5.35	*	*	*	*
Linseed	31920.54	39945.02	48914.34	53.24	22.45	192307.21	118784.16	317443.01	65.07	167.24	6.02	2.97	6.49	7.81	118.52
Groundnut	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Sufflower	89.21	*	-	-	-	609.52	*	-	-	-	6.83	*	-	-	-
Sesame	40.54	392.41	-	-	-	299.79	111.83	-	-	-	7.39	0.28	-	-	-
Rapeseed	815.19	259.83	*	*	*	6625.17	*	*	*	*	8.13	*	*	*	*

Table 5.10 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**168524.31**	**186555.68**	**190234.41**	**12.88**	**1.97**	**2437379.65**	**1450903.19**	**4282995.86**	**75.72**	**195.20**					
Cereals	**153960.87**	**169298.66**	**170759.69**	**10.91**	**0.86**	**2277360.59**	**1339639.40**	**3957370.67**	**73.77**	**195.41**					
Teff	9607.10	10881.73	9935.41	3.42	-8.70	111294.24	85569.81	200769.17	80.39	134.63	11.58	7.86	20.21	74.53	157.12
Barley	4935.92	9019.44	3263.66	-33.88	-63.82	48019.09	53572.47	37689.81	-21.51	-29.65	9.73	5.94	11.55	18.71	94.44
Wheat	4574.81	5346.99	4136.50	-9.58	-22.64	52483.06	40885.61	63476.26	20.95	55.25	11.47	7.65	15.35	33.83	100.65
Maize	41567.27	53897.05	56376.34	35.63	4.60	697853.82	424723.28	1398693.15	100.43	229.32	16.79	7.88	24.81	47.77	214.85
Sorghum	91615.16	87975.29	94205.05	2.83	7.08	1351394.02	723134.93	2221647.35	64.40	207.22	14.75	8.22	23.58	59.86	186.86
Finger Millet	1075.19	1162.27	2547.20	136.91	119.16	10971.54	7080.75	29707.85	170.77	319.56	10.20	6.09	11.66	14.31	91.46
Oats/'Aja'	580.10	1015.89	*	*	*	5331.60	4672.56	*	*	*	9.19	4.60	*	*	*
Rice	5.32	-	*	*	*	*	-	*	*	*	*	-	*	*	*
Pulses	**12440.38**	**14838.40**	**16029.23**	**28.85**	**8.03**	**146426.18**	**102178.69**	**308598.28**	**110.75**	**202.02**					
Faba Beans	2644.14	3901.06	*	*	*	33387.46	37943.23	*	*	*	12.63	9.73	*	*	*
Field Peas	425.43	*	*	*	*	3088.50	*	*	*	*	7.26	*	*	*	*
Haricot beans	7396.95	8373.06	11497.20	55.43	37.31	89205.31	48381.56	261834.86	193.52	441.19	12.06	5.78	22.77	88.81	293.94
Chick-Peas	1027.99	417.02	*	*	*	15897.54	0.00	*	*	*	15.46	0.00	*	*	*
Lentils	589.20	*	*	*	*	3065.08	*	*	*	*	5.20	*	*	*	*
Grass Peas	32.18	*	-	-	-	0.00	*	-	-	-	0.00	*	-	-	-
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	323.92	835.94	660.89	104.03	-20.94	1521.60	4763.99	4385.47	188.21	-7.95	4.70	5.70	6.64	41.28	16.49
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**2123.06**	**2418.62**	**3445.49**	**62.29**	**42.46**	**13592.88**	**9085.10**	**17026.91**	**25.26**	**87.42**					
Neug	14.47	-	-	-	-	11.89	-	-	-	-	0.82	-	-	-	-
Linseed	638.95	670.13	627.01	-1.87	-6.43	2555.37	1347.01	2865.99	12.16	112.77	4.00	2.01	4.57	14.25	127.36
Groundnut	763.96	*	*	*	*	6687.95	*	10819.58	*	*	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 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**146613.78**	**155383.02**	**173967.68**	**18.66**	**11.96**	**2031832.44**	**1102266.44**	**3089830.22**	**52.07**	**180.32**					
Cereals	**130805.84**	**135292.43**	**149635.48**	**14.40**	**10.60**	**1883035.45**	**989207.44**	**2791194.00**	**48.23**	**182.16**					
Teff	2365.96	2677.38	1668.34	-29.49	-37.69	20348.36	15007.85	17274.68	-15.11	15.10	8.60	5.61	10.35	20.35	84.49
Barley	2709.20	3242.84	2515.42	-7.15	-22.43	35150.84	22603.66	36535.56	3.94	61.64	12.97	6.97	14.52	11.95	108.32
Wheat	10646.82	9826.88	9952.88	-6.52	1.28	156033.09	70156.68	173164.95	10.98	146.83	14.66	7.14	17.40	18.69	143.70
Maize	36039.31	37603.87	45527.29	26.33	21.07	709498.58	343383.56	974014.62	37.28	183.65	19.69	9.13	21.39	8.63	134.28
Sorghum	78391.56	80721.55	88532.98	12.94	9.68	954362.97	529833.48	1570243.03	64.53	196.37	12.17	6.56	17.74	45.77	170.43
Finger Millet	16.35 *		*	*	*	* *		*	*	*	*	*	*	*	*
Oats/'Aja'	614.27	1071.54	*	*	*	7550.29	7973.70	*	*	*	12.29	7.44	*	*	*
Rice	22.37 -		-	-	-	- -		-	-	-	-	-	-	-	-
Pulses	**7243.16**	**12305.45**	**16016.00**	**121.12**	**30.15**	**88053.25**	**73308.02**	**232483.00**	**164.03**	**217.13**					
Faba Beans	2568.08	2047.29	2102.55	-18.13	2.70	36307.74	20282.86	54014.11	48.77	166.30	14.14	9.91	25.69	81.68	159.23
Field Peas	593.20	515.59	*	*	*	6406.10	3455.60	4989.45	-22.11	44.39	10.80	6.70	*	*	*
Haricot beans	3409.33	7509.42	10677.81	213.19	42.19	40508.22	40454.01	147631.79	264.45	264.94	11.88	5.39	13.83	16.41	156.59
Chick-Peas	144.90	*	*	*	*	518.99 *		*	*	*	3.58	*	*	*	*
Lentils	197.19	*	1014.11	414.28	*	1118.98	2463.04	6763.36	504.42	174.59	5.67	*	6.67 *	*	
Grass Peas	*	*	-	-	-	* *		-	-	-	*	*	-	*	*
Soya Beans	-	-	-	-	-	- -		-	-	-	-	-	-	-	-
Fenugreek	306.56	1023.38	1597.90	421.24	56.14	2772.09	4410.52	17771.23	541.08	302.93	9.04	4.31	11.12	23.01	158.00
Gibto	- -		- -		-	- -		-	-	-	-	-	-	-	-
Oilseeds	**8564.78**	**7785.14**	**8316.20**	**-2.90**	**6.82**	**60743.74**	**39750.98**	**66153.22**	**8.91**	**66.42**					
Neug	- -		- -		-	- -		-	-	-	-	-	-	-	-
Linseed	408.01	985.53	1078.09	164.23	9.39	2668.23	5417.27	9164.05	243.45	69.16	6.54	5.50	8.50	29.97	54.55
Groundnut	7931.17	6566.76	7128.83	-10.12	8.56	56511.74	*	56816.21	0.54	*	7.13	*	7.97	*	*
Sufflower	* -		-	-	-	*	-	-	-	-	* -		-	-	-
Sesame	219.00	225.61	*	*	*	1545.01	585.81	*	*	*	7.05	2.60	*	*	*
Rapeseed	5.83 *		*	*	*	10.22	*	*	*	*	1.75 *		*	*	*

Table 5.12 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Bale Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**247909.84**	**257418.76**	**378125.40**	**52.53**	**46.89**	**3274360.85**	**2025880.33**	**6306954.13**	**92.62**	**211.32**					
Cereals	**212789.36**	**201261.07**	**304059.58**	**42.89**	**51.08**	**3023014.60**	**1803697.93**	**5878064.78**	**94.44**	**225.89**					
Teff	31957.47	24919.11	13364.33	-58.18	-46.37	213977.48	127416.96	121412.79	-43.26	-4.71	6.70	5.11	9.08	35.52	77.69
Barley	48076.32	59195.87	123026.54	155.90	107.83	669074.88	496711.17	2126024.63	217.76	328.02	13.92	8.39	17.28	24.14	105.96
Wheat	92284.31	79751.26	128262.28	38.99	60.83	1546668.01	877531.66	2834154.36	83.24	222.97	16.76	11.00	22.10	31.86	100.91
Maize	19069.40	18582.15	17848.52	-6.40	-3.95	375380.98	198200.09	421433.56	12.27	112.63	19.68	10.67	23.61	19.97	121.27
Sorghum	11003.86	7457.37	-	-	-	76688.66	17813.16	-	-	-	6.97	2.39	-	-	-
Finger Millet	187.46	*	-	-	-	1399.74	*	-	-	-	7.47	*	-	-	-
Oats/'Aja'	10210.55	9004.19	21557.90	111.13	139.42	139824.85	79158.50	375039.44	168.22	373.78	13.69	8.79	17.40	27.10	97.95
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**18881.74**	**18294.84**	16640.45	**-11.87**	**-9.04**	**152715.94**	**89673.21**	**146263.25**	**-4.23**	**63.11**					
Faba Beans	5126.99	5775.55	6944.20	35.44	20.23	61254.60	0.00	76233.28	24.45		11.95	0.00	10.98		
Field Peas	6615.04	6900.44	8353.26	26.28	21.05	47073.69	26546.52	65588.45	39.33	147.07	7.12	3.85	7.85	10.25	103.90
Haricot beans	1618.50	*	*	*	*	10137.72	*	*	*	*	6.26 *		*	*	*
Chick-Peas	1177.45	-	-	-	-	6607.56	-	-	-	-	5.61 -		-	-	-
Lentils	1078.44	*	*	*	*	4206.25	1769.08	*	*	*	3.90 *		*	*	*
Grass Peas	841.07	631.50	*	*	*	8215.08	9063.34	*	*	*	9.77	14.35	*	*	*
Soya Beans	45.24	-	-	-	-	-	0.00	-	-	-	0.00 -		-	-	-
Fenugreek	2379.02	*	*	*	*	15221.04	1849.40	*	*	*	6.40 *		*	*	*
Gibto	0.00	-	-	-	-	-	0.00	-	-	-	0.00 -		-	-	-
Oilseeds	**16238.74**	**37862.86**	57425.37	**253.63**	**51.67**	**98630.31**	**132509.19**	**282626.09**	**186.55**	**113.29**					
Neug	306.38	*	*	*	*	1034.21	0.00	*	*	*	3.38	0.00	*	*	*
Linseed	15877.46	37324.23	57392.98	261.47	53.77	97404.93	130842.60	282527.58	190.05	115.93	6.13	3.51	4.92	-19.74	40.17
Groundnut	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sufflower	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sesame	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Rapeseed	45.97	*	14.79 *		*	174.20	*	*	*	*	3.79	*	*	*	*

Table 5.13 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Borena Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**93245.48**	**60819.71**	**11442.40**	**-87.73**	**-81.19**	**988203.97**	**676777.00**	**155682.49**	**-84.25**	**-77.00**					
Cereals	**76175.50**	**48401.08**	**10960.74**	**-85.61**	**-77.35**	**886209.50**	**559150.07**	**153422.71**	**-82.69**	**-72.56**					
Teff	10934.48	1496.01	*	*	*	74334.92	8927.79	*	*	*	6.80	5.97	*	*	*
Barley	22195.80	14122.14	*	*	*	231365.04	148213.92	*	*	*	10.42	10.50	*	*	*
Wheat	12928.02	9472.61	*	*	*	140683.86	112085.11	*	*	*	10.88	11.83	*	*	*
Maize	26641.71	23191.59	9377.16	-64.80	-59.57	433125.59	289496.29	146848.68	-66.10	-49.27	16.26	12.48	15.66	-3.69	25.48
Sorghum	3455.98	*	*	*	*	6530.35	*	*	*	*	1.89	*	*	*	*
Finger Millet	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Oats/'Aja'	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**16928.86**	**12366.34**	**401.02**	**-97.63**	**-96.76**	**101627.28**	**117470.21**	**2031.40**	**-98.00**	**-98.27**					
Faba Beans	2793.70	2505.39	*	*	*	29473.52	31463.65	*	*	*	10.55	12.56	*	*	*
Field Peas	4746.96	*	*	*	*	47403.85	*	*	*	-*	9.99	*	*	*	*
Haricot beans	8496.43	4422.87	159.20	-98.13	-96.40	22097.18	*	530.01	*	*	2.60	*	3.33	*	*
Chick-Peas	661.80	*	31.49	-95.24	*	2160.22	*	45.67	*	*	3.26	*	1.45	*	*
Lentils	53.41	-	-	-	-	19.17	-	-	-	-	0.36	-	-	-	-
Grass Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soya Beans	59.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	*	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**141.12**	**52.29**	*	*	*	**367.19**	**156.72**	*	*	*					
Neug	0.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	17.55	*	-	-	-	61.25	*	-	-	-	3.49	*	-	-	-
Groundnut	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sufflower	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	100.93	46.84	*	*	*	305.94	147.50	*	*	*	3.03	3.15	*	*	*

Table 5.14 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Guji Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains			**62954.18**					**1509043.96**							
Cereals			**56066.61**					**1427390.26**							
Teff			*					*			6.80	5.97	*	*	*
Barley			19633.32					256464.62			10.42	10.50	*	*	*
Wheat			3350.76					65264.60			10.88	11.83	*	*	*
Maize			32591.72					1097924.95			16.26	12.48	15.66	-3.69	25.48
Sorghum			*					*			1.89	*	*	*	*
Finger Millet			-					-			*	-	-	-	-
Oats/'Aja'			-					-			*	-	-	-	-
Rice			-					-			-	-	-	-	-
Pulses			**6840.35**					**81348.48**							
Faba Beans			1888.76					27200.78			10.55	12.56	*	*	*
Field Peas			4314.43					48294.95			9.99	*	*	*	*
Haricot beans			*					*			2.60	*	3.33	*	*
Chick-Peas			*					*			3.26	*	1.45	*	*
Lentils			-					-			0.36	-	-	-	-
Grass Peas			-					-			-	-	-	-	-
Soya Beans			-					-			-	-	-	-	-
Fenugreek			-					-			-	-	-	-	-
Gibto			-					-			-	-	-	-	-
Oilseeds			**47.22**					*							
Neug			-					-			-	-	-	-	-
Linseed			*					*			3.49	*	-	-	-
Groundnut			-	-				-			*	-	-	-	-
Sufflower			*					*			*	-	-	-	-
Sesame			-					-			-	-	-	-	-
Rapeseed			*	*				*			3.03	3.15	*	*	*

Table 6. Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**58880.84**	64367.18	69414.16	**17.89**	7.84	**723018.07**	**512096.48**	936270.61	**29.49**	**82.83**					
Cereals	**57040.60**	63022.19	67906.81	**19.05**	7.75	**714362.05**	**506954.95**	928157.03	**29.93**	**83.08**					
Teff	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Barley	6511.81	5014.64	4379.68	-32.74	-12.66	57721.28	30949.41	37177.67	-35.59	20.12	8.86	6.17	8.49	-4.18	37.60
Wheat	8353.80	10047.15	9871.41	18.17	-1.75	109973.45	80132.96	160575.03	46.01	100.39	13.16	7.98	16.27	23.63	103.88
Maize	20846.55	20189.47	19386.97	-7.00	-3.97	263447.26	163668.39	288838.51	9.64	76.48	12.64	8.11	14.90	17.88	83.72
Sorghum	20824.36	26949.75	33791.21	62.27	25.39	279054.26	225528.81	437313.74	56.71	93.91	13.40	8.37	12.94	-3.43	54.60
Finger Millet	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Oats/'Aja'	432.63	789.13	477.54		82.40	3954.60	*	4252.07	7.52	*	9.14	*	8.90	*	*
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**1346.86**	809.85	1375.51	**2.13**	69.85	**6283.60**	3748.23	7494.23	19.27	99.94					
Faba Beans	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Field Peas	86.04	103.88	*	*	*	*	415.34	1107.39	*	166.62	0.00	4.00	*	*	*
Haricot beans	678.33	212.83	362.17	-46.61	70.17	2143.11	1169.88	2595.15	21.09	121.83	3.16	5.50	7.17	126.90	30.36
Chick-Peas	406.93	207.82	274.32	-32.59	32.00	*	754.00	1661.27	*	120.33	*	3.63	6.06	*	66.94
Lentils	83.71	82.35	*	*	*	862.73	780.37	*	*	*	10.31	9.48	*	*	*
Grass Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	56.86	198.87	218.05	283.49	9.64	189.84	621.68	*	*	*	3.34	3.13	*	*	*
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**493.38**	535.15	131.84	**-73.28**	-75.36	**2372.42**	**1393.31**	619.35	-73.89	-55.55					
Neug	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Linseed	445.06	533.15	131.84	-70.38	-75.27	1409.81	1333.79	619.35	-56.07	-53.56	3.17	2.50	4.70	48.26	88.00
Groundnut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sufflower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	*	-	-	-	-	*	-	-	-	-	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 6.1 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**813.04**	929.99	1192.68	46.69	28.25	**10274.61**	10257.75	15535.29	**51.20**	51.45					
Cereals	**813.04**	929.99	1192.68	46.69	28.25	**10274.61**	10257.75	15535.29	**51.20**	51.45					
Teff	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize	61.56	67.20	93.07	51.19	38.50	787.84	744.32	1104.85	40.24	48.44	12.80	11.08	11.87	-7.26	7.14
Sorghum	751.48	862.79	1099.62	46.33	27.45	9486.78	9513.43	14430.44	52.11	51.68	12.62	11.03	13.12	3.99	18.98
Finger Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats/'Aja'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-	-					
Faba Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haricot beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chick-Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grass Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soya Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-	-					
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Groundnut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sufflower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 6.2 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Jijiga Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**54518.04**	**62370.37**	**67935.08**	**24.61**	**8.92**	**692639.84**	**498100.26**	**917337.38**	**32.44**	**84.17**					
Cereals	**53149.93**	**61183.87**	**66551.24**	**25.21**	**8.77**	**685298.58**	**494044.49**	**910692.80**	**32.89**	**84.33**					
Teff	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Barley	6507.67	5014.64	4379.68	-32.70	-12.66	57721.28	30949.41	37177.67	-35.59	20.12	8.87	6.17	8.49	-4.28	37.60
Wheat	8353.80	10047.15	9871.41	18.17	-1.75	109973.45	80132.96	160575.03	46.01	100.39	13.16	7.98	16.27	23.63	103.88
Maize	18043.41	19224.28	19131.02	6.03	-0.49	247546.35	160428.47	285804.72	15.46	78.15	13.72	8.35	14.94	8.89	78.92
Sorghum	19740.98	26076.62	32691.59	65.60	25.37	265891.71	215858.28	422883.30	59.04	95.91	13.47	8.28	12.94	-3.93	56.28
Finger Millet	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Oats/'Aja'	432.63	789.13	477.54	**10.38**		3954.60	0.00	4252.07	7.52		9.14	*	8.90	-2.63	*
Rice	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Pulses	**889.92**	653.35	1252.00	40.69	91.63	**5358.51**	**2721.99**	6025.24	12.44	121.35					
Faba Beans	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Field Peas	*	103.88	*	*	*	*	415.34	1107.39		166.62	*	4.00	*	*	*
Haricot beans	233.53	*	*	*	*	1218.03	*	*	*	*	5.22	*	*	*	*
Chick-Peas	402.13	207.82	274.32	-31.78	32.00	0.00	754.00	1661.27		120.33	*	3.63	6.06	*	66.94
Lentils	79.79	82.35	*	*	*	862.73	780.37	*	*	*	10.81	9.48	*	*	*
Grass Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	56.86	198.87	218.05	283.49	9.64	189.84	621.68	*	*	*	3.34	3.13	*	*	*
Gibto	-	-	-	-	-	-	0.00	-	-	-	-	0.00	-	-	-
Oilseeds	**478.19**	**533.15**	**131.84**	**-72.43**	**-75.27**	**1982.75**	**1333.79**	619.35	-68.76	-53.56					
Neug	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Linseed	445.06	533.15	131.84	-70.38	-75.27	1409.81	1333.79	619.35	-56.07	-53.56	3.17	2.50	4.70	48.26	88.00
Groundnut	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sufflower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 6.3 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Liben Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**3548.10**	**1066.83**	**286.39**	**-91.93**	**-73.16**	**20103.70**	**3738.46**	**3397.94**	**-83.10**	**-9.11**					
Cereals	**3077.63**	**908.34**	*	*	*	**18788.86**	**2652.71**	*	*	*					
Teff	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barley	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize	2741.58	898.00	*	*	*	15113.08	2495.60	*	*	*	5.51	2.78	*	*	*
Sorghum	331.90	*	-	-	-	3675.78	*	-	-	-	11.07	*	-	-	-
Finger Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats/'Aja'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**456.95**	*	**123.51**	**-72.97**	*	**925.08**	*	**1468.99**	**58.80**	*					
Faba Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Field Peas	2.42	-	-	-	-	0.00	-	-	-	-	0.00	-	-	-	-
Haricot beans	444.79	*	123.51	*	*	925.08	*	1468.99	*	*	2.08	*	11.89	471.63	*
Chick-Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Lentils	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Grass Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soya Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	-	-	-	*	*	-	-	-					
Neug	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Groundnut	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sufflower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 7. Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Benshangul-Gumuz Region

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**135869.31**	**149249.00**	**153468.98**	**12.95**	**2.83**	**1571113.90**	**1464793.78**	**1876496.02**	**19.44**	**28.11**					
Cereals	**103942.27**	**109191.16**	**108832.09**	**4.70**	**-0.33**	**1390289.62**	**1254861.04**	**1544340.36**	**11.08**	**23.07**					
Teff	10736.57	13555.85	13067.45	21.71	-3.60	75929.22	79113.18	107161.47	41.13	35.45	7.07	5.84	8.20	15.98	40.41
Barley	1047.11	623.28	*	*	*	10444.17	5565.67	*	*	*	9.97	8.93	*	*	*
Wheat	891.15 *		*	*	*	9706.76 *		*	*	*	10.89	*	*	*	*
Maize	20482.45	25023.86	27625.43	34.87	10.40	412525.16	432255.59	527460.41	27.86	22.03	20.14	17.27	19.09	-5.21	10.54
Sorghum	52375.42	45766.72	43947.39	-16.09	-3.98	670390.38	527306.82	648045.72	-3.33	22.90	12.80	11.52	14.75	15.23	28.04
Finger Millet	17279.16	22566.46	21771.31	26.00	-3.52	198786.33	196893.08	236730.77	19.09	20.23	11.50	8.73	10.87	-5.48	24.51
Oats/'Aja'	27.60	*	*	*	*	213.81	*	*	*	*	7.75	*	*	*	*
Rice	1102.82	*	*	*	*	12293.79	*	*	*	*	11.15	*	*	*	*
Pulses	**6682.94**	**9289.09**	**8017.95**	**19.98**	**-13.68**	**60436.73**	**70084.40**	**95074.98**	**57.31**	**35.66**					
Faba Beans	583.44	430.26	449.94	-22.88	4.57	5636.78	*	4875.82	-13.50	*	9.66	*	10.84	12.22	*
Field Peas	719.30	694.15	908.93	26.36	30.94	5047.73	3625.69	6024.42	19.35	66.16	7.02	5.22	6.63	-5.56	27.01
Haricot beans	3778.85	6945.76	6220.35	64.61	-10.44	34425.43	53140.33	81288.87	136.13	52.97	9.11	7.65	13.07	43.47	70.85
Chick-Peas	368.07	175.80	17.10	-95.35	-90.27	2268.20	686.29	51.30	-97.74	-69.74	6.16	3.90	3.00	-51.30	-23.08
Lentils	41.59	*	47.99	15.39	*	194.89	*	158.60	-18.62	*	4.69	*	3.30	*	*
Grass Peas	20.06	-	-	-	-	22.97	-	-	-	-	1.15	-	-	-	-
Soya Beans	1131.94	930.60	*	*	*	12424.30	6913.08	*	*	*	10.98	7.43	*	*	*
Fenugreek	*	8.15	-	-	-	*	*	-	-	-	*	*	-	-	-
Gibto	34.60	*	*	*	*	394.73	*	*	*	*	11.41	*	*	*	*
Oilseeds	**25244.10**	**30768.75**	36618.95	**45.06**	**19.01**	**120387.55**	**139848.34**	**237080.68**	**96.93**	**69.53**					
Neug	13432.58	16076.27	14380.03	7.05	-10.55	37954.42	36244.77	41104.41	8.30	13.41	2.83	2.25	2.86	1.06	27.11
Linseed	200.29	*	171.34	-14.45		455.08	223.29	373.54	-17.92	67.29	2.27	*	2.18	-3.96	*
Groundnut	2388.46	2181.82	5032.36	110.69	130.65	22787.00	21281.18	62099.74	172.52	191.81	9.54	9.75	12.34	29.35	26.56
Sufflower	94.14	*	*	*	*	634.51	*	*	*	*	6.74	*	*	*	*
Sesame	9028.15	11840.39	16867.11	86.83	42.45	57718.86	80886.44	131944.37	128.60	63.12	6.39	6.83	7.82	22.38	14.49
Rapeseed	100.47	94.31	146.34	45.66	55.17	837.69	581.02	1424.60	70.06	145.19	8.34	6.16	9.73	16.67	57.95

Table 7.1 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Metekel Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03
Total Grains	**63518.48**	**80801.19**	**66654.35**	**4.94**	**-17.51**	**750234.69**	**717958.57**	**803821.00**	**7.14**	**11.96**					
Cereals	**48365.88**	**59074.41**	**47133.51**	**-2.55**	**-20.21**	**652573.31**	**621394.48**	**645786.02**	**-1.04**	**3.93**					
Teff	6649.39	10221.13	9443.88	42.03	-7.60	59080.82	67365.02	91290.05	54.52	35.52	8.89	6.59	9.67	8.77	46.74
Barley	977.40	621.14	*	*	*	9991.62	5547.94	*	*	*	10.22	8.93	*	*	*
Wheat	739.58	*	*	*	*	8380.91	*	*	*	*	11.33	*	*	*	*
Maize	5338.65	9760.94	8253.65	54.60	-15.44	130539.64	187833.02	187443.44	43.59	-0.21	24.45	19.24	22.71	-7.12	18.04
Sorghum	18158.19	16196.49	8224.61	-54.71	-49.22	251139.59	168665.06	138393.12	-44.89	-17.95	13.83	10.41	16.83	21.69	61.67
Finger Millet	15379.63	20624.08	18820.61	22.37	-8.74	180970.93	178276.71	203968.41	12.71	14.41	11.77	8.64	10.84	-7.90	25.46
Oats/'Aja'	20.23	*	-	*	*	176.01	*	-	*	*	8.70	*	-	*	*
Rice	1102.82	*	*	*	*	12293.79	*	*	*	*	11.15	*	*	*	*
Pulses	**4333.65**	**6256.86**	**4584.00**	**5.78**	**-26.74**	**43689.53**	**44686.03**	**64725.58**	**48.15**	**44.85**					
Faba Beans	515.98	412.75	449.94	-12.80	9.01	5292.20	0.00	4875.82	-7.87		10.26	*	10.84	5.65	*
Field Peas	709.40	694.15	709.36	-0.01	2.19	5021.72	3625.69	5395.80	7.45	48.82	7.08	5.22	7.61	7.49	45.79
Haricot beans	2101.84	*	3357.74	*	*	20570.14	*	*	*	*	9.79	*	*	*	*
Chick-Peas	201.59	*	17.10	*	*	1814.13	*	51.30	*	*	9.00	*	3.00	*	*
Lentils	38.54	*	47.99	*	*	194.89	*	158.60	*	*	5.06	*	3.30	*	*
Grass Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soya Beans	736.99	*	-	-	-	10410.14	*	-	-	-	14.13	*	-	-	-
Fenugreek	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Gibto	25.00	*	*	*	*	364.95	*	*	*	*	14.60	*	*	*	*
Oilseeds	**10818.95**	**15469.93**	**14936.85**	**38.06**	**-3.45**	**53971.85**	**51878.06**	**93309.40**	**72.89**	**79.86**					
Neug	5874.04	10676.14	7485.41	27.43	-29.89	16338.49	21930.56	20315.71	24.34	-7.36	2.78	2.05	2.71	-2.52	32.20
Linseed	93.22	*	*	*	*	261.43	155.23	*	*	*	2.80	*	*	*	*
Groundnut	1916.83	1871.85	4417.30	130.45	135.99	20151.91	19005.26	56317.58	179.47	196.33	10.51	10.15	12.75	21.31	25.62
Sufflower	70.79	*	*	*	*	452.00	*	*	*	*	6.39	*	*	*	*
Sesame	2791.77	2340.85	2892.19	3.60	23.55	16135.59	9731.08	15316.56	-5.08	-39.69	5.78	4.16	5.30	-8.30	27.40
Rapeseed	72.29	58.90	95.99	32.78	62.97	632.42	438.85	1168.97	84.84	-30.61	8.75	7.45	12.18	39.20	63.49

Table 7.2 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Asosa Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**51996.04**	**46862.11**	**54198.89**	**4.24**	**15.66**	**487279.76**	**390439.63**	**542610.35**	**11.35**	**38.97**					
Cereals	**39455.76**	**34936.43**	**38382.64**	**-2.72**	**9.86**	**436100.73**	**339961.89**	**455963.39**	**4.55**	**34.12**					
Teff	3317.12	2734.94	2576.32	-22.33	-5.80	12095.06	8730.21	7582.56	-37.31	-13.15	3.65	3.19	2.94	-19.45	-7.84
Barley	68.95	*	-	-	-	451.33	*	-	-	-	6.55	*	-	-	-
Wheat	151.57	*	*	*	*	1325.85	*	*	*	*	8.75	*	*	*	*
Maize	9854.52	10285.22	10762.70	9.22	4.64	157814.93	128707.14	166336.70	5.40	29.24	16.01	12.51	15.45	-3.50	23.50
Sorghum	25010.71	20668.22	23546.98	-5.85	13.93	255467.46	191869.18	267932.26	4.88	39.64	10.21	9.28	11.38	11.46	22.63
Finger Millet	1048.50	1242.04	1478.46	41.01	19.03	8937.33	10622.96	13983.86	56.47	31.64	8.52	8.55	9.46	11.03	10.64
Oats/'Aja'	4.39	-	-	-	-	8.77	-	-	-	-	2.00	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**1943.55**	**2350.81**	**2452.43**	**26.18**	**4.32**	**12617.64**	**15385.93**	**17476.11**	**38.51**	**13.59**					
Faba Beans	65.54	*	-	-	-	338.05	98.35	-	-	-	5.16	*	-	-	-
Field Peas	9.44	-	*	*	*	25.37	-	*	*	*	2.69	-	*	*	*
Haricot beans	1288.26	1656.48	1881.09	46.02	13.56	9853.27	11742.22	14199.75	44.11	20.93	7.65	7.09	7.55	-1.31	6.49
Chick-Peas	152.49	*	-	-	-	333.71	*	-	-	-	2.19	*	-	-	-
Lentils	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Grass Peas	20.06	-	-	-	-	22.97	-	-	-	-	1.15	-	-	-	-
Soya Beans	394.33	582.76	*	*	*	2014.16	3290.97	*	*	*	5.11	5.65	*	*	*
Fenugreek	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Gibto	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Oilseeds	**10596.73**	**9574.87**	**13363.82**	**26.11**	**39.57**	**38561.39**	**35091.81**	**69170.85**	**79.38**	**97.11**					
Neug	7048.46	5170.73	6499.45	-7.79	25.70	19491.95	13580.26	19404.58	-0.45	42.89	2.77	2.63	2.99	7.94	13.69
Linseed	98.86	42.27	131.65	33.17	211.45	160.98	68.06	236.60	46.97	247.63	1.63	1.61	1.80	10.43	11.80
Groundnut	438.64	287.35	584.06	33.15	103.26	2436.97	2137.06	*	*	*	5.56	7.44	*	*	*
Sufflower	23.21	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Sesame	2959.70	4033.70	6086.58	105.65	50.89	16085.66	19186.21	43569.77	170.86	127.09	5.43	4.76	7.16	31.86	50.42
Rapeseed	27.85	29.32	*	*	*	203.32	105.67	*	*	*	7.30	3.60	*	*	*

Table 7.3 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Kemeshi Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**20354.78**	**21585.69**	**32615.74**	**60.24**	**51.10**	**333599.47**	**356395.59**	**530064.67**	**58.89**	**48.73**					
Cereals	**16120.63**	**15180.32**	**23315.94**	**44.63**	**53.59**	**301615.59**	**293504.67**	**442590.96**	**46.74**	**50.80**					
Teff	770.05	599.78	1047.25	36.00	74.61	4753.34	3017.95	8288.85	74.38	174.65	6.17	5.03	7.91	28.20	57.26
Barley	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize	5289.28	4977.71	8609.07	62.76	72.95	124170.60	115715.43	173680.27	39.87	50.09	23.48	23.25	20.17	-14.10	-13.25
Sorghum	9206.53	8902.02	12175.81	32.25	36.78	163783.34	166772.59	241720.34	47.59	44.94	17.79	18.73	19.85	11.58	5.98
Finger Millet	851.04	700.34	1472.23	72.99	110.22	8878.07	7993.41	18778.50	111.52	134.92	10.43	11.41	12.76	22.34	11.83
Oats/'Aja'	2.98	*	*	*	*	29.03	*	*	*	*	9.74	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**405.73**	**681.42**	**981.52**	**141.91**	**44.04**	**4129.57**	**10012.44**	**12873.29**	**211.73**	**28.57**					
Faba Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Field Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Haricot beans	388.74	680.24	981.52	152.49	44.29	4002.03	10002.31	12873.29	221.67	28.70	10.29	14.70	13.12	27.50	-10.75
Chick-Peas	14.00	*	-	-	-	120.37	*	-	-	-	8.60	*	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grass Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**3828.42**	**5723.96**	**8318.28**	**117.28**	**45.32**	**27854.31**	**52878.48**	**74600.42**	**167.82**	**41.08**					
Neug	510.08	229.40	395.17	-22.53	72.26	2123.98	733.95	1384.12	-34.83	88.59	4.16	3.20	3.50	-15.87	9.37
Linseed	8.20	-	*	*	*	32.66	-	*	*	*	3.98	-	*	*	*
Groundnut	32.99	22.63	31.01	-6.00	37.03	198.11	138.86	144.72	-26.95	4.22	6.01	6.14	4.67	-22.30	-23.94
Sufflower	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sesame	3276.68	5465.84	7888.34	140.74	44.32	25497.60	51969.16	73058.04	186.53	40.58	7.78	9.51	9.26	19.02	-2.63
Rapeseed	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-

Table 8. Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**687585.38**	**623471.80**	**769428.70**	**11.90**	**23.41**	**8249115.32**	**6185968.21**	**9246313.66**	**12.09**	**49.47**					
Cereals	**575655.43**	**502343.22**	**636738.32**	**10.61**	**26.75**	**7273190.58**	**5261676.55**	**8138060.18**	**11.89**	**54.67**					
Teff	133882.17	135380.16	154538.39	15.43	14.15	989566.47	879595.15	1085905.05	9.74	23.46	7.39	6.50	7.03	-4.87	8.15
Barley	68463.31	58245.70	63730.21	-6.91	9.42	759733.03	596484.72	748671.84	-1.46	25.51	11.10	10.24	11.75	5.86	14.75
Wheat	92351.77	83872.44	103692.99	12.28	23.63	1353706.49	1090018.60	1451400.88	7.22	33.15	14.66	13.00	14.00	-4.50	7.69
Maize	191490.02	153067.00	218465.06	14.09	42.73	3270377.22	1965949.46	3837627.25	17.35	95.20	17.08	12.84	17.57	2.87	36.84
Sorghum	84276.06	68310.96	92115.00	9.30	34.85	842009.46	692444.49	960394.49	14.06	38.70	9.99	10.14	10.43	4.40	2.86
Finger Millet	4527.18	3161.39	3909.12	-13.65	23.65	51518.49	34843.57	51611.78	0.18	48.12	11.38	11.02	13.20	15.99	19.78
Oats/'Aja'	626.57	305.57	287.55	-54.11	-5.90	6279.42	2340.57	2448.89	-61.00	4.63	10.02	7.66	8.52	-14.97	11.23
Rice	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Pulses	**108559.86**	**119047.18**	**129388.93**	**19.19**	**8.69**	**964611.17**	**917968.01**	**1096227.81**	**13.64**	**19.42**					
Faba Beans	47008.42	40700.00	50565.46	7.57	24.24	488930.08	398539.65	496997.11	1.65	24.70	10.40	9.79	9.83	-5.48	0.41
Field Peas	28104.28	28442.10	37078.93	31.93	30.37	221266.15	214382.22	287644.81	30.00	34.17	7.87	7.54	7.76	-1.40	2.92
Haricot beans	26799.10	46083.10	39279.65	46.57	-14.76	209074.91	282348.16	299479.01	43.24	6.07	7.80	6.13	7.62	-2.31	24.31
Chick-Peas	5176.74	2597.08	933.18	-81.97	-64.07	38596.70	15006.33	6482.33	-83.20	-56.80	7.46	5.78	6.95	-6.84	20.24
Lentils	739.25	432.85	966.86	30.79	123.37	2605.13	1451.65	3514.06	34.89	142.07	3.52	3.35	3.63	3.13	8.36
Grass Peas	452.93	523.96	265.83	-41.31	-49.27	3563.34	0.00	1081.90	-69.64		7.87	*	4.07	-48.28	*
Soya Beans	80.94	*	-	-	-	162.26	*	-	-	-	2.00	*	-	-	-
Fenugreek	198.19	262.99	299.02	50.88	13.70	412.61	767.46	1028.59	149.29	34.03	2.08	2.92	3.44		17.81
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**3370.09**	**2081.40**	**3301.45**	**-2.04**	**58.62**	**11313.57**	**6323.66**	**12025.67**	**6.29**	**90.17**					
Neug	925.17	180.79	531.90	-42.51	194.21	2062.84	383.44	1689.03	-18.12	340.49	2.23	2.12	3.18	42.60	50.00
Linseed	968.82	1180.62	1749.51	80.58	48.19	3087.65	2853.92	6018.92	94.94	110.90	3.19	2.42	3.44	7.84	42.15
Groundnut	521.39	229.20	362.32	-30.51	58.08	2647.98	0.00	1334.11	-49.62		5.08	*	3.68	-27.56	*
Sufflower	174.57	158.28	113.11	-35.21	-28.54	1326.09	1539.48	610.91	-53.93	-60.32	7.60	9.73	5.40	-28.95	-44.50
Sesame	172.59	*	241.39	*	*	535.07	*	695.23	*	*	3.10	*	2.88	-7.10	*
Rapeseed	607.54	178.83	303.23	-50.09	69.56	1653.93	376.24	1677.47	1.42	345.85	2.72	2.10	5.53	103.31	163.33

Table 8.1 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Gurage Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**120943.00**	**57017.40**	**74830.50**	**-38.13**	**31.24**	**1566576.38**	**685313.61**	**1113849.08**	**-28.90**	**62.53**					
Cereals	**105281.79**	**49038.72**	**64888.05**	**-38.37**	**32.32**	**1403989.58**	**583085.96**	**984229.36**	**-29.90**	**68.80**					
Teff	25673.67	16944.09	18789.98	-26.81	10.89	186296.49	*	170446.19	-8.51	*	7.26	*	9.07	24.93	*
Barley	18107.35	7263.88	10260.92	-43.33	41.26	238813.56	108413.08	166666.34	-30.21	53.73	13.19	14.92	16.24	23.12	8.85
Wheat	14949.48	8021.74	12771.24	-14.57	59.21	208070.84	94623.45	173988.38	-16.38	83.87	13.92	11.80	13.62	-2.16	15.42
Maize	36409.06	13840.69	17458.35	-52.05	26.14	666561.44	202574.22	369233.58	-44.61	82.27	18.31	14.64	21.15	15.51	44.47
Sorghum	9817.02	2929.74	5546.52	-43.50	89.32	100298.58	41292.55	103381.96	3.07	150.36	10.22	14.09	18.64	82.39	32.29
Finger Millet	201.19	-	-	-	-	2617.97	-	-	-	-	13.01	-	-	-	-
Oats/'Aja'	124.01	38.58	*	*	*	1330.69	377.80	*	*	*	10.73	9.79	*	*	*
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**14567.29**	**7752.44**	**9206.71**	**-36.80**	**18.76**	**159720.55**	**101699.54**	**127215.18**	**-20.35**	**25.09**					
Faba Beans	6087.83	3477.11	3321.34	-45.44	-4.48	86241.27	55950.19	63132.61	-26.80	12.84	14.17	16.09	19.01	34.16	18.15
Field Peas	3336.47	2162.75	3716.54	11.39	71.84	32293.90	29167.26	47291.38	46.44	62.14	9.68	13.49	12.72	31.40	-5.71
Haricot beans	1922.20	1089.33	1398.51	-27.24	28.38	17535.99	8321.95	13320.88	-24.04	60.07	9.12	7.64	9.53		
Chick-Peas	2554.22	*	*	*	*	19644.66	*	*	*	*	7.69	*	*	*	*
Lentils	181.00	*	*	*	*	444.94	*	*	*	*	2.46	*	*	*	*
Grass Peas	423.95	246.19	225.87	-46.72	-8.25	3452.34	*	736.51	*	*	8.14	*	3.26	*	*
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	59.85	*	-	-	-	107.45	*	-	-	-	1.80	*	-	-	-
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**1093.92**	**226.24**	**735.74**	**-32.74**	**225.20**	**2866.25**	**528.11**	**2404.53**	**-16.11**	**355.31**					
Neug	811.77	163.18	510.48	-37.12	212.83	1808.06	342.47	1658.03	-8.30	384.14	2.23	2.10	3.25	45.74	54.76
Linseed	165.39	*	*	*	*	455.03	*	*	*	*	2.75	*	*	*	*
Groundnut	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sufflower	6.56	*	*	*	*	34.86	*	*	*	*	5.31	*	*	*	*
Sesame	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Rapeseed	105.86	*	38.25	-63.87	*	556.29	*	129.50	*	*	5.25	*	3.39	*	*

Table 8.2 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Hadiya Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**101203.91**	**76280.91**	**84151.40**	**-16.85**	**10.32**	**1358669.48**	**924280.35**	**1085993.79**	**-20.07**	**17.50**					
Cereals	**89519.87**	**64861.85**	**71362.70**	**-20.28**	**10.02**	**1240256.87**	**810176.95**	**950372.87**	**-23.37**	**17.30**					
Teff	21199.16	20635.76	20179.62	-4.81	-2.21	197793.08	181191.29	181139.91	-8.42	-0.03	9.33	8.78	8.98	-3.75	2.28
Barley	5688.66	2857.51	2837.19	-50.13	-0.71	57576.16	24887.33	24921.55	-56.72	0.14	10.12	8.71	8.78	-13.24	0.80
Wheat	33999.23	22695.33	27962.81	-17.75	23.21	585177.68	393672.86	457842.04	-21.76	16.30	17.21	17.35	16.37	-4.88	-5.65
Maize	21374.30	13883.84	15737.40	-26.37	13.35	331361.75	173195.18	253535.48	-23.49	46.39	15.50	12.47	16.11	3.94	29.19
Sorghum	6866.44	4639.00	4475.94	-34.81	-3.51	65398.99	36632.68	31932.67	-51.17	-12.83	9.52	7.90	7.13	-25.11	-9.75
Finger Millet	342.04	106.12	*	*	*	2588.55	283.19	*	*	*	7.57	2.67	*	*	*
Oats/'Aja'	50.03	*	-	-	-	360.66	*	-	-	-	7.21	*	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**11193.67**	**10998.76**	**12304.54**	**9.92**	**11.87**	**116947.18**	**113104.98**	**134280.13**	**14.82**	**18.72**					
Faba Beans	7069.41	5205.06	6276.13	-11.22	20.58	81362.76	55377.64	61367.06	-24.58	10.82	11.51	10.64	9.78	-15.03	-8.08
Field Peas	2328.21	3005.57	3729.94	60.21	24.10	18972.96	26260.06	36156.43	90.57	37.69	8.15	8.74	9.69	18.90	10.87
Haricot beans	1120.09	2758.70	2229.60	99.06	-19.18	8607.57	*	*	*	*	7.68	*	*	*	*
Chick-Peas	534.43	*	-	-	-	7424.31	*	-	-	-	13.89	*	-	-	-
Lentils	116.03	23.67	*	*	*	460.18	69.73	*	*	*	3.97	2.95	*	*	*
Grass Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**490.37**	*	**484.16**	**-1.27**	*	**1465.43**	*	**1340.79**	**-8.51**	*					
Neug	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Linseed	293.58	*	*	*	*	1055.69	*	*	*	*	3.60	*	*	*	*
Groundnut	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sufflower	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sesame	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Rapeseed	185.67	*	*	*	*	404.52	*	*	*	*	2.18	*	*	*	*

Table 8.3 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**61435.70**	**25559.34**	**28359.04**	**-53.84**	**10.95**	**818021.78**	**204887.61**	**352067.45**	**-56.96**	**71.83**					
Cereals	**56123.33**	**21289.40**	**24377.90**	**-56.56**	**14.51**	**775163.65**	**181731.27**	**320519.77**	**-58.65**	**76.37**					
Teff	10931.95	6191.06	5367.37	-50.90	-13.30	74900.15	31340.85	34598.22	-53.81	10.39	6.85	5.06	6.45	-5.84	27.47
Barley	1252.37	1047.72	1135.37	-9.34	8.37	12114.19	8915.81	13661.46	12.77	53.23	9.67	8.51	12.03		41.36
Wheat	13310.17	9431.00	12802.57	-3.81	35.75	208257.10	114089.57	214083.88	2.80	87.65	15.65	12.10	16.72		38.18
Maize	22534.28	2255.03	3345.91	-85.15	48.38	400958.32	0.00	*	*	*	17.79	0.00	*	*	*
Sorghum	5686.73	2261.82	1656.70	-70.87	-26.75	54060.74	11132.61	12856.11	-76.22	15.48	9.51	4.92	7.76	-18.40	57.72
Finger Millet	2346.27	47.31	*	*	*	24686.25	392.40	*	*	*	10.52	8.29	*	*	*
'Oats/'Aja'	23.22	*	*	*	*	186.91	*	*	*	*	8.05	*	*	*	*
Rice	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Pulses	**5173.72**	4112.42	3762.64	-27.27	-8.51	**42442.12**	22867.16	30975.82	**-27.02**	**35.46**					
Faba Beans	2813.81	2331.61	2577.37	-8.40	10.54	29659.21	16597.97	24880.23	-16.11	49.90	10.54	7.12	9.65		35.53
Field Peas	613.51	640.81	428.20	-30.20	-33.18	4179.01	3665.71	3043.84	-27.16	-16.96	6.81	5.72	7.11	4.41	24.30
Haricot beans	1566.58	1126.41	749.53	-52.16	-33.46	8343.67	2585.56	*	*	*	5.33	2.30	*	*	*
Chick-Peas	33.34	*	-	-	-	80.54	*	-	-	-	2.42	*	-	-	-
Lentils	72.44	*	*	*	*	71.33	*	*	*	*	0.98	*	*	*	*
Grass Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
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 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Sidama Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**50451.67**	65697.05	79247.75	**57.08**	**20.63**	**724693.00**	**572658.92**	**1163111.94**	**60.50**	**103.11**					
Cereals	**40878.72**	47119.13	63515.56	**55.38**	34.80	**634617.84**	**458177.03**	**1027089.74**	**61.84**	**124.17**					
Teff	2153.86	*	2125.05	-1.34	*	16327.62	*	13832.91	-15.28	*	7.58	*	6.51	-14.12	*
Barley	7776.46	10505.50	11130.81	43.13	5.95	87340.08	83993.52	150662.73	72.50	79.37	11.23	8.00	13.54	20.57	69.25
Wheat	4841.05	6379.59	6003.07	24.00	-5.90	70180.02	51586.35	82205.29	17.13	59.35	14.50	8.09	13.69	-5.59	69:22
Maize	24674.44	27255.63	43847.54	77.70	60.88	441984.50	307431.63	775014.93	75.35	152.09	17.91	11.28	17.68	-1.28	56.74
Sorghum	1312.96	561.13	409.09	-68.84	-27.10	16255.69	3902.58	5373.89	-66.94	37.70	12.38	6.95	13.14	6.14	89.06
Finger Millet	36.85	-	-	-	-	*	-	-	-	-	0.00	-	-	-	-
Oats/'Aja'	83.10	*	-	-	-	1265.56	*	-	-	-	15.23	*	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**9464.00**	18545.49	15681.15	**65.69**	**-15.44**	**89896.57**	**114444.59**	**135814.84**	**51.08**	**18.67**					
Faba Beans	2043.99	2859.72	2668.62	30.56	-6.68	25937.67	22503.13	28259.12	8.95	25.58	12.69	7.87	10.59	-16.55	34.56
Field Peas	1345.71	1859.97	*	*	*	13340.56	8406.17	*	*	*	9.91	4.52	*	*	*
Haricot beans	6057.11	13811.60	11990.91	97.96	-13.18	50446.83	83369.68	96786.02	91.86	16.09	8.33	6.04	8.07	-3.12	33.61
Chick-Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grass Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	*	**32.43**	*	*	*	*	**37.30**	*	*	*					
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Linseed.	14.39	32.43	*	*	*	74.32	37.30	*	*	*	5.16	1.15	-	-	-
Groundnut	*	-	-	-	-	*	-	-	-	-	*	-	*	-	-
Sufflower	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	*	-	*	*	-	*	-	*	-	-	*	-	-	-	-

Table 8.5 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Gedio Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**12028.49**	**8701.29**	**10613.95**	**-11.76**	**21.98**	**171647.34**	**106664.00**	**182051.93**	**6.06**	**70.68**					
Cereals	**9780.97**	**6954.73**	**8739.23**	**-10.65**	**25.66**	**149823.10**	**91624.17**	**165607.14**	**10.54**	**80.75**					
Teff	152.26	*	-	-	-	1158.86	*	-	-	-	7.61	*	-	-	-
Barley	3630.28	2684.55	2058.95	-43.28	-23.30	35656.68	29498.65	21065.54	-40.92	-28.59	9.82	10.99	10.23	4.18	-6.92
Wheat	1152.35	*	*	*	*	12637.29	*	*	*	*	10.97	*	*	*	*
Maize	4782.98	3531.71	6478.69	35.45	83.44	99650.38	53499.58	140854.40	41.35	163.28	20.83	15.15	21.74	4.37	43.50
Sorghum	47.94	*	*	*	*	719.89	*	*	*	*	15.02	*	*	*	*
Finger Millet	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Oats/'Aja'	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**2198.67**	**1724.45**	**1865.99**	**-15.13**	**8.21**	**21733.64**	**15011.63**	**16417.93**	**-24.46**	**9.37**					
Faba Beans	1161.38	863.50	945.03	-18.63	9.44	12664.62	8856.96	9641.86	-23.87	8.86	10.90	10.26	10.20	-6.42	-0.58
Field Peas	932.32	674.95	*	*	*	8631.91	5365.19	*	*	*	9.26	7.95	*	*	*
Haricot beans	102.70	*	144.36	*	*	431.94	*	462.21	7.01	*	4.21	*	3.20	-23.99	*
Chick-Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Lentils	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Grass Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Wolayita Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**44265.94**	**44442.83**	**63588.13**	**43.65**	**43.08**	**512183.54**	**302417.69**	**880678.26**	**71.95**	**191.21**					
Cereals	**35799.81**	**27997.40**	**54124.05**	**51.19**	**93.32**	**444868.43**	**213237.57**	**807990.49**	**81.62**	**278.92**					
Teff	10775.09	14849.98	18568.42	72.33	25.04	69860.21	97311.32	94709.01	35.57	-2.67	6.48	6.55	5.10	-21.30	-22.14
Barley	1420.43	1039.67	620.28	-56.33	-40.34	11554.03	0.00	*	*	*	8.13	*	*	*	*
Wheat	1985.77	2585.09	4837.88	143.63	87.15	24378.05	39026.72	66896.09	174.41	71.41	12.28	15.10	13.83	12.62	-8.41
Maize	18478.43	7125.57	27106.97	46.70	280.42	311704.35	47548.44	608804.88	95.31	1180.39	16.87	6.67	22.46	33.14	236.73
Sorghum	2981.46	2397.09	2990.50	0.30	24.76	26482.40	19121.27	31530.48	19.06	64.90	8.88	7.98	10.54	18.69	32.08
Finger Millet	144.42	-	-	-	-	835.58	-	-	-	-	5.79	-	-	-	-
Oats/'Aja'	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**8412.90**	**16442.50**	**9461.73**	**12.47**	**-42.46**	**67039.69**	**89168.26**	**72680.18**	**8.41**	**-18.49**					
Faba Beans	825.61	1087.26	947.52	14.77	-12.85	7752.17	14072.44	10986.15	41.72	-21.93	9.39	12.94	11.59	23.43	-10.43
Field Peas	1403.11	1951.64	1309.88	-6.64	-32.88	10265.79	14554.02	8648.79	-15.75	-40.57	7.32	7.46	6.60	-9.84	-11.53
Haricot beans	5435.78	12256.09	6868.49	26.36	-43.96	44585.17	56102.58	51130.89	14.68	-8.86	8.20	4.58	7.44	-9.27	62.45
Chick-Peas	732.72	*	*	*	*	4358.34	*	*	*	*	5.95	*	*	*	*
Lentils	9.06	*	*	*	*	25.61	*	*	*	*	2.83	*	*	*	*
Grass Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**20811.61**	**18366.44**	**29315.90**	**40.86**	**59.62**	**224736.72**	**187676.35**	**300278.00**	**33.61**	**60.00**					
Cereals	**17895.50**	**15458.82**	**25280.30**	**41.27**	**63.53**	**195959.38**	**161393.98**	**263429.68**	**34.43**	**63.22**					
Teff	1986.59	4330.47	2531.48	27.43	-41.54	16294.72	27483.96	25061.06	53.80	-8.82	8.20	6.35	9.90	20.73	55.91
Barley	2013.98	1229.90	1156.97	-42.55	-5.93	20883.44	12925.80	12135.32	-41.89	-6.12	10.37	10.51	10.49	1.16	-0.19
Wheat	548.27	*	*	*	*	9393.51	*	*	*	*	17.13	*	*	*	*
Maize	5297.82	5167.17	8754.55	65.25	69.43	77690.86	73922.75	132084.02	70.01	78.68	14.66	14.31	15.09	2.93	5.45
Sorghum	7990.61	3738.83	11011.98	37.81	194.53	71365.40	35658.73	70703.36	-0.93	98.28	8.93	9.54	6.42	-28.11	-32.70
Finger Millet	57.91	*	*	*	*	331.46	*	*	*	*	5.72	*	*	*	*
Oats/'Aja'	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**2715.31**	**2736.27**	**3762.40**	**38.56**	**37.50**	**27376.51**	**24748.13**	**35657.65**	**30.25**	**44.08**					
Faba Beans	1089.93	1099.38	1210.43	11.06	10.10	12842.83	12405.94	16848.81	31.19	35.81	11.78	11.28	13.92	18.17	23.40
Field Peas	711.04	463.87	*	*	*	5453.61	3318.18	*	*	*	7.67	7.15	*	*	*
Haricot beans	902.26	1173.02	1721.59	90.81	46.77	9056.89	9024.00	13252.61	46.33	46.86	10.04	7.69	7.70	-23.31	0.13
Chick-Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Lentils	*	-	*	*	*	*	-	*	*	*	*	-	*	*	*
Grass Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**200.80**	**171.35**	**273.21**	**36.06**	**59.45**	**1400.83**	**1534.25**	**1190.67**	**-15.00**	**-22.39**					
Neug	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Linseed	32.16	*	*	*	*	76.59	*	*	*	*	2.38	*	*	*	*
Groundnut	0.00	*	*	*	*	52.13	*	*	*	*	0.00	*	*	*	*
Sufflower	130.09	124.23	*	*	*	1199.64	1360.13	*	*	*	9.22	10.95	*	*	*
Sesame	22.16	*	*	*	*	65.93	*	*	*	*	2.98	*	*	*	*
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 8.8 Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Shaka Zone

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**9252.28**	**7841.50**	**11248.20**	**21.57**	**43.44**	**123891.70**	**109559.53**	**156388.56**	**26.23**	**42.74**					
Cereals	**7128.00**	**6204.72**	**8756.46**	**22.85**	**41.13**	**111762.78**	**99176.47**	**141316.00**	**26.44**	**42.49**					
Teff	587.97	408.18	*	*	*	3797.52	1928.04	2396.18	-36.90	24.28	6.46	4.72	*	*	*
Barley	279.31	33.16	*	*	*	1785.15	195.92	*	*	*	6.39	5.91	*	*	*
Wheat	210.64 *		*	*	*	0.00	0.00	*	*	*	0.00	0.00	*	*	*
Maize	1154.13	1439.83	2044.92	77.18	42.03	18552.22	17757.43	29305.09	57.96	65.03	16.07	12.33	14.33	-10.83	16.22
Sorghum	4664.73	4031.92	5767.76	23.65	43.05	82693.55	76080.71	104946.55	26.91	37.94	17.73	18.87	18.20	2.65	-3.55
Finger Millet	* *		* *	*		* *		* *	*		* *		*	* *	
Oats/'Aja'	* -		- -	-		* -		- -	-		* -		-	- -	
Rice	- -		- -	-		- -		- -	-		- -		-	- -	
Pulses	**2098.58**	**1626.95**	**2456.92**	**17.08**	**51.01**	**11995.95**	**10338.98**	**14898.88**	**24.20**	**44.10**					
Faba Beans	758.82	473.35	744.55	-1.88	57.29	4443.69	3503.08	5102.84	14.83	45.67	5.86	7.40	6.85	16.89	-7.43
Field Peas	1260.59	1033.71	1586.09	25.82	53.44	6489.43	5312.12	7683.00	18.39	44.63	5.15	5.14	4.84	-6.02	-5.84
Haricot beans	77.15	119.89	*	*	*	*	*	*	*	*	*	*	*	*	*
Chick-Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grass Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	*	*	*	*	*	*	*	*	*	*					
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	*	-	*	*	*	*	-	*	*	*	*	-	*	*	*
Groundnut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sufflower	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sesame	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Rapeseed	9.65	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Table 8.9 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**81579.91**	81249.96	**86079.06**	**5.52**	5.94	**947362.58**	**975025.78**	**831756.15**	**-12.20**	-14.69					
Cereals	**57945.92**	59713.51	**57614.92**	**-0.57**	-3.51	**755959.25**	**809100.59**	**643339.56**	**-14.90**	-20.49					
Teff	15189.45	19066.50	18399.11	21.13	-3.50	119437.23	135246.61	134329.90	12.47	-0.68	7.86	7.09	7.30	-7.12	2.96
Barley	7839.55	5098.24	5223.65	-33.37	2.46	73132.30	50471.43	49165.55	-32.77	-2.59	9.33	9.90	9.41	0.86	-4.95
Wheat	8186.64	4950.76	6337.57	-22.59	28.01	92799.58	59856.26	57703.65	-37.82	-3.60	11.34	12.09	9.11	-19.66	-24.65
Maize	17850.09	17442.09	15946.89	-10.66	-8.57	356130.94	335751.49	227393.33	-36.15	-32.27	19.95	19.25	14.26	-28.52	-25.92
Sorghum	7896.41	11459.18	9900.56	25.38	-13.60	101172.79	206045.05	149382.05	47.65	-27.50	12.81	17.98	15.09	17.80	-16.07
Finger Millet	810.71	*	*	*	*	11342.43	*	*	*	*	13.99	*	*	*	*
Oats/'Aja'	173.07	13.58	*	*	*	1943.98	146.69	*	*	*	11.23	10.80	*	*	*
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**23534.23**	21443.54	**28379.13**	**20.59**	32.34	**191136.44**	**165696.61**	**188106.78**	**-1.59**	13.52					
Faba Beans	13644.39	11648.81	16346.40	19.80	40.33	117994.22	100651.65	117261.17	-0.62	16.50	8.65	8.64	7.17	-17.11	-17.01
Field Peas	8299.05	6893.80	8876.13	6.95	28.76	61346.22	44868.59	52680.62	-14.13	17.41	7.39	6.51	5.94	-19.62	-8.76
Haricot beans	1568.61	2895.88	3156.59	101.23	9.00	11768.40	20148.38	18164.99	54.35	-9.84	7.50	6.96	5.75	-23.33	-17.39
Chick-Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Lentils	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Grass Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	2.33	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**99.76**	92.91	**85.02**	**-14.78**	**-8.49**	**266.89**	**228.58**	*	*	*					
Neug	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Linseed	50.18	51.26	*	*	*	163.01	176.65	*	*	*	3.25	3.45	*	*	*
Groundnut	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sufflower	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sesame	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Rapeseed	13.81	*	*	*	*	33.54	*	*	*	*	2.43	*	*	*	*

Table 8.10 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**78663.81**	66985.47	**101377.82**	**28.87**	51.34	**857997.68**	**637504.60**	**924639.45**	**7.77**	**45.04**					
Cereals	**67845.30**	57253.32	**86400.38**	**27.35**	50.91	**761813.71**	**566336.85**	**812619.87**	**6.67**	**43.49**					
Teff	20497.48	14421.58	26425.07	28.92	83.23	137756.09	59277.13	157459.44	14.30	165.63	6.72	4.11	5.96	-11.31	45.01
Barley	14699.35	15345.89	20302.54	38.12	32.30	167836.78	164470.73	200100.19	19.22	21.66	11.42	10.72	9.86	-13.66	-8.02
Wheat	7334.63	9916.61	14086.17	92.05	42.05	87176.87	126306.66	145696.97	67.13	15.35	11.89	12.74	10.34	-13.04	-18.84
Maize	16149.14	12580.86	16442.82	1.82	30.70	272456.90	178104.27	229600.16	-15.73	28.91	16.87	14.16	13.96	-17.25	-1.41
Sorghum	8917.71	4980.98	9126.87	2.35	83.23	93777.70	38100.31	79703.94	-15.01	109.19	10.52	7.65	8.73	-17.02	14.12
Finger Millet	225.70	*	-	-	-	2658.43	*	-	-	-	11.78	*	-	-	-
Oats/'Aja'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**10263.49**	9508.43	**14458.00**	**40.87**	52.05	**93538.23**	**70494.70**	109859.25	17.45	55.84					
Faba Beans	3941.23	2667.10	5471.84	38.84	105.16	41575.07	22781.77	52109.58	25.34	128.73	10.55	8.54	9.52	-9.76	11.48
Field Peas	2834.43	2421.61	4898.33	72.82	102.28	26276.62	17518.68	36040.82	37.16	105.73	9.27	7.23	7.36	-20.60	1.80
Haricot beans	2780.62	4276.64	3907.30	40.52	-8.64	20934.57	26884.41	20519.75	-1.98	-23.67	7.53	6.29	5.25	-30.28	-16.53
Chick-Peas	579.40	87.62	*	*	*	4100.11	3001.93	*	*	*	7.08	34.26	*	*	*
Lentils	70.04	*	*	*	*	481.40	*	*	*	*	6.87	*	*	*	*
Grass Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Soya Beans	27.50	*	-	-	-	103.62	*	-	-	-	3.77	*	-	-	-
Fenugreek	20.73	*	*	*	*	66.85	*	*	*	*	3.22	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**555.02**	223.73	*	*	*	**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 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**18365.08**	**20888.54**	**25713.90**	**40.02**	**23.10**	**250359.10**	**222092.27**	**348333.07**	**39.13**	**56.84**					
Cereals	**16237.87**	**17191.54**	**20771.43**	**27.92**	**20.82**	**231467.10**	**191238.06**	**303427.65**	**31.09**	**58.66**					
Teff	1940.93	2146.32	3486.80	79.65	62.45	12008.26	9924.09	26592.46	121.45	167.96	6.19	4.62	7.63	23.26	65.15
Barley	664.23	962.92	913.08	37.46	-5.18	5876.36	6543.67	6225.37	5.94	-4.86	8.85	6.80	6.82	-22.94	0.29
Wheat	237.86	190.85	*	*	*	1919.84	0.00	*	*	*	8.07	0.00	*	*	*
Maize	9452.70	8609.23	10819.85	14.46	25.68	153163.93	129389.65	170415.41	11.26	31.71	16.20	15.03	15.75	-2.78	4.79
Sorghum	3810.71	5152.06	5317.09	39.53	3.20	56365.19	41978.36	96301.27	70.85	129.41	14.79	8.15	18.11	22.45	122.21
Finger Millet	126.63	*	*	*	*	2075.59	*	*	*	*	16.39	*	*	*	*
Oats/'Aja'	4.81	-	-	-	-	57.94	-	-	-	-	12.05	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**1963.32**	**3553.42**	**4797.18**	**144.34**	**35.00**	**18492.91**	**30454.21**	**44656.73**	**141.48**	**46.64**					
Faba Beans	894.50	1201.08	1825.84	104.12	52.02	8080.93	12545.90	16861.35	108.66	34.40	9.03	10.45	9.23	2.21	-11.67
Field Peas	643.91	1645.95	2148.38	233.65	30.53	5324.68	11274.03	18086.82	239.68	60.43	8.27	6.85	8.42	1.81	22.92
Haricot beans	413.73	690.01	822.96	98.91	19.27	5064.21	6606.27	9708.56	91.71	46.96	12.24	9.57	11.80	-3.59	23.30
Chick-Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	6.53	*	-	-	-	22.11	*	-	-	-	3.39	*	-	*	*
Grass Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Soya Beans	0.40	-	-	-	-	*	-	-	-	-	*	-	-	-	-
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 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**13096.54**	**12053.75**	**13014.32**	**-0.63**	**7.97**	**121360.35**	**108341.57**	**127651.53**	**5.18**	**17.82**					
Cereals	**10515.73**	**9793.45**	**10539.05**	**0.22**	**7.61**	**101601.10**	**90486.45**	**106380.41**	**4.70**	**17.57**					
Teff	3718.93	4250.21	3668.47	-1.36	-13.69	31300.29	33296.71	34412.08	9.94	3.35	8.42	7.83	9.38	11.40	19.80
Barley	1374.79	1031.96	972.75	-29.24	-5.74	11799.48	8808.25	9197.01	-22.06	4.41	8.58	8.54	9.45	10.14	10.66
Wheat	3097.77	2535.55	3134.49	1.19	23.62	29842.77	26577.87	32563.55	9.12	22.52	9.63	10.48	10.39	7.89	-0.86
Maize	1704.55	1497.74	2040.36	19.70	36.23	22390.46	17795.47	22910.38	2.32	28.74	13.14	11.88	11.23	-14.54	-5.47
Sorghum	610.24	468.46	721.99	18.31	54.12	6196.36	3911.27	7292.55	17.69	86.45	10.15	8.35	10.10	-0.49	20.96
Finger Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats/'Aja'	9.46	9.54	*	*	*	71.74	96.89	*	*	*	7.58	10.16	*	*	*
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**2379.09**	**2081.15**	**2380.26**	**0.05**	**14.37**	**19346.43**	**17423.91**	21081.63	**8.97**	**20.99**					
Faba Beans	1389.48	1140.53	1391.47	0.14	22.00	12932.64	11300.76	13907.39	7.54	23.07	9.31	9.91	9.99	7.30	0.81
Field Peas	882.29	870.46	874.54	-0.88	0.47	6004.82	5831.39	6584.29	9.65	12.91	6.81	6.70	7.53	10.57	12.39
Haricot beans	3.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chick-Peas	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lentils	89.58	63.87	98.25	9.68	53.83	357.38	266.43	532.63	49.04	99.91	3.99	4.17	5.42	35.84	29.98
Grass Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Soya Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	2.79	4.12	14.60	423.30	254.37	9.18	14.00	50.51	450.22	260.79	3.29	3.40	3.46		
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**201.72**	**179.15**	95.00	-52.91	-46.97	**412.82**	**431.21**	189.50	-54.10	-56.05					
Neug	46.51	*	*	*	*	93.55	*	*	*	*	2.01	*	*	*	*
Linseed	148.12	156.93	67.61	-54.35	-56.92	305.56	381.50	150.10	-50.88	-60.66	2.06	2.43	2.22	7.77	-8.64
Groundnut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sufflower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	7.09	6.97	*	*	*	13.71	16.60	*	*	*	1.93	2.38	*	*	*

Table 8.13 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**4704.77**	**4137.89**	**4066.48**	**-13.57**	**-1.73**	**44413.80**	**29522.65**	**38678.33**	**-12.91**	**31.01**					
Cereals	**3928.27**	**3159.98**	**2913.45**	**-25.83**	**-7.80**	**38733.37**	**24330.43**	**27950.64**	**-27.84**	**14.88**					
Teff	1995.78	285.04	444.68	-77.72	56.01	18532.49	1653.01	1840.56	-90.07	11.35	9.29	5.80	4.14	-55.44	-28.62
Barley	1009.53	1253.15	566.06	-43.93	-54.83	9552.27	8217.49	5798.90	-39.29	-29.43	9.46	6.56	10.24	8.25	56.10
Wheat	440.67	1174.90	1096.68	148.87	-6.66	5745.66	11482.47	13989.08	143.47	21.83	13.04	9.77	12.76	-2.15	30.60
Maize	294.67	*	590.85	100.51	*	*	*	5511.58	*	*	*	*	9.33	*	*
Sorghum	184.58	*	*	*	*	942.60	*	*	*	*	5.11	*	*	*	*
Finger Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats/'Aja'	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**775.28**	**976.90**	**1153.03**	**48.72**	**18.03**	**5676.42**	**5187.39**	**10727.68**	**88.99**	**106.80**					
Faba Beans	213.82	283.56	356.97	66.95	25.89	2077.06	2236.07	5178.49	149.32	131.59	9.71	7.89	14.51	49.43	83.90
Field Peas	389.21	533.45	504.52	29.63	-5.42	2846.80	2330.48	3639.03	27.83	56.15	7.31	4.37	7.21	-1.37	64.99
Haricot beans	117.31	103.23	96.19	-18.00	-6.82	452.48	390.57	258.00	-42.98	-33.94	3.86	3.78	2.68	-30.57	-29.10
Chick-Peas	*	-	*	*	*	*	-	*	-	-	*	-	*	*	*
Lentils	13.29	56.67	46.92	253.05	-17.20	82.43	230.27	294.14	256.84	27.74	6.20	4.06	6.27	1.13	54.43
Grass Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Soya Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**1.22**	*	-	-	-	*	*	-	-	-					
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Groundnut	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sufflower	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-

Table 8.14 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**4465.64**	3675.53	**2436.61**	**-45.44**	-33.71	**32419.00**	**22045.36**	**13033.87**	**-59.80**	**-40.88**					
Cereals	**2949.84**	2647.19	**1833.04**	**-37.86**	-30.76	**23623.93**	**15953.10**	**10763.62**	**-54.44**	**-32.53**					
Teff	1034.71	889.04	120.23	-88.38	-86.48	6205.08	3260.99	139.87	-97.75	-95.71	6.00	3.67	1.16	-80.67	-68.39
Barley	189.91	206.34	32.26	-83.01	-84.37	1014.63	1051.40	47.42	-95.33	-95.49	5.34	5.10	1.47	-72.47	-71.18
Wheat	365.90	391.21	319.30	-12.74	-18.38	1637.61	1624.68	1397.70	-14.65	-13.97	4.48	4.15	4.38	-2.23	5.54
Maize	603.25	482.53	595.41	-1.30	23.39	10186.17	6669.86	6281.60	-38.33	-5.82	16.89	13.82	10.55	-37.54	-23.66
Sorghum	755.23	678.07	765.84	1.40	12.94	4580.46	3346.18	2897.04	-36.75	-13.42	6.06	4.93	3.78	-37.62	-23.33
Finger Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats/'Aja'	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**1512.59**	1028.34	602.95	**-60.14**	-41.37	**8782.81**	**6092.25**	2269.86	**-74.16**	**-62.74**					
Faba Beans	*	14.60	*	*	*	*	91.03	*	*	*	*	6.23	*	*	*
Field Peas	65.97	58.36	33.00	-49.98	-43.45	422.73	262.82	94.32	-77.69	-64.11	6.41	4.50	2.86	-55.38	-36.44
Haricot beans	1129.53	779.66	421.23	-62.71	-45.97	6584.28	4882.69	1165.66	-82.30	-76.13	5.83	6.26	2.77	-52.49	-55.75
Chick-Peas	253.26	144.64	134.83	-46.76	-6.78	1364.51	713.10	985.94	-27.74	38.26	5.39	4.93	7.31	35.62	48.28
Lentils	32.28	19.38	*	*	*	*	*	*	*	*	*	*	*	*	*
Grass Peas	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soya Beans	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	8.35	11.71	*	*	*	16.26	22.14	*	*	*	1.95	1.89	*	*	*
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	*	-	*	*	*	*	-	*	*	*					
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	*	-	*	*	*	*	-	*	*	*	*	-	*	*	*
Groundnut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sufflower	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-

Table 8.15 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03
Total Grains	**16461.64**	7959.11	15222.83	-7.53	91.26	**79410.90**	28249.89	40270.85	-49.29	42.55					
Cereals	**14353.00**	6313.54	12365.76	-13.85	95.86	**67882.65**	18915.18	33008.04	-51.37	74.51					
Teff	2072.06	1086.70	1214.15	-41.40	11.73	10832.57	3681.09	1777.34	-83.59	-51.72	5.23	3.39	1.46	-72.08	-56.93
Barley	93.78	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Maize	3584.72	1218.23	2664.41	-25.67	118.71	26966.89	6273.80	9666.81	-64.15	54.08	7.52	5.15	3.63	-51.73	-29.51
Sorghum	8547.25	3934.25	8414.72	-1.55	113.88	29447.03	8723.74	21484.92	-27.04	146.28	3.45	2.22	2.55		
Finger Millet	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Oats/'Aja'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**2117.80**	1645.58	2841.44	34.17	72.67	11522.54	9334.71	7245.10	-37.12	-18.99					
Faba Beans	-	-	-	-	-	-	0.00	-	-	-	-	-	-	-	-
Field Peas	386.29	705.76	1105.00	186.05	56.57	1357.00	2458.07	967.69	-28.69	-60.63	3.51	3.48	0.88		-74.71
Haricot beans	1593.86	921.87	1670.70	4.82	81.23	9952.51	*	6227.12	-37.43	*	6.24	*	3.73	*	*
Chick-Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Lentils	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grass Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	*	-	*	*	*	*	-	*	*	*					
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Groundnut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sufflower	*	-	*	*	*	*	-	*	*	*	*	-	*	*	*
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 8.16 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	2002/03
Total Grains	**14506.55**	11986.82	10052.98	**-30.70**	-16.13	**118456.70**	77491.98	51819.51	**-56.25**	-33.13					
Cereals	**13462.91**	10878.07	9316.78	**-30.80**	-14.35	**112712.01**	71177.63	48705.90	**-56.79**	-31.57					
Teff	1676.24	1695.64	688.39	-58.93	-59.40	13256.04	9965.94	2687.83	-79.72	-73.03	7.91	5.88	3.90	-50.70	-33.67
Barley	315.75	337.80	178.52	-43.46	-47.15	2023.60	1845.81	789.25	-61.00	-57.24	6.41	5.46	4.42	-31.05	-19.05
Wheat	186.29	239.73	47.23	-74.65	-80.30	2058.09	1982.69	385.16	-81.29	-80.57	11.05	8.27	8.15	-26.24	-1.45
Maize	3065.53	1962.37	1639.56	-46.52	-16.45	21910.07	12952.26	8079.77	-63.12	-37.62	7.15	6.60	4.93	-31.05	-25.30
Sorghum	8219.11	6642.54	6763.08	-17.72	1.81	73464.22	44430.93	36763.90	-49.96	-17.26	8.94	6.69	5.44	-39.15	-18.68
Finger Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats/'Aja'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**1041.33**	1108.74	727.01	**-30.18**	-34.43	**5740.34**	6314.35	3071.33	**-46.50**	-51.36					
Faba Beans	41.57 *		*	*	*	209.70	0.00	53.66	-74.41		5.04	0.00	*	*	*
Field Peas	64.67 *		74.05 *		*	180.32	92.17	126.12	-30.06	36.83	2.79	1.65	1.70	-39.07	3.03
Haricot beans	687.15	914.68	618.52	-9.99	-32.38	4546.87	5763.88	2868.57	-36.91	-50.23	6.62	6.30	4.64	-29.91	-26.35
Chick-Peas	219.61	*	-	-	-	735.83	*	-	-	-	3.35	*	-	-	-
Lentils	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grass Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**2.31**	-	*	*	*	*	-	*	*	*					
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	*	-	*	*	*	*	-	*	*	*	*	-	*	*	*
Groundnut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sufflower	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 8.17 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**26090.96**	**23526.46**	**34704.69**	**33.01**	**47.51**	**195298.51**	**168462.43**	**252499.78**	**29.29**	**49.88**					
Cereals	**18703.39**	**16578.11**	**26076.93**	**39.42**	**57.30**	**141086.09**	**105544.45**	**177575.99**	**25.86**	**68.25**					
Teff	8997.09	8432.38	13743.02	52.75	62.98	46998.10	32621.66	72029.25	53.26	120.80	5.22	3.87	5.24	0.38	35.40
Barley	891.28	959.46	537.14	-39.73	-44.02	6624.41	7261.60	3648.39	-44.93	-49.76	7.43	7.57	6.79	-8.61	-10.30
Wheat	1194.91	1623.38	1787.85	49.62	10.13	9316.34	12868.52	14037.86	50.68	9.09	7.80	7.93	7.85	0.64	-1.01
Maize	3052.36	2879.01	6930.79	127.06	140.74	36903.52	28479.22	64390.04	74.48	126.09	12.09	9.89	9.29	-23.16	-6.07
Sorghum	4488.21	2629.18	2992.35	-33.33	13.81	40692.21	23986.65	22920.62	-43.67	-4.44	9.07	9.12	7.66		
Finger Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats/'Aja'	79.54	*	*	*	*	551.52	*	*	*	*	6.93	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**7230.70**	**6794.50**	**8437.35**	**16.69**	**24.18**	**53524.28**	**62419.60**	**74109.39**	**38.46**	**18.73**					
Faba Beans	3805.43	3270.17	3402.58	-10.59	4.05	31089.71	32281.36	37005.17	19.03	14.63	8.17	9.87	10.88	33.17	10.23
Field Peas	2177.09	2307.67	3483.91	60.03	50.97	14072.83	21667.18	28094.84	99.64	29.67	6.46	9.39	8.06	24.77	-14.16
Haricot beans	1045.66	1070.37	1364.57	30.50	27.49	7678.53	8045.29	8500.42	10.70	5.66	7.34	7.52	6.23	-15.12	-17.15
Chick-Peas	90.36	53.38	*	*	*	322.78	153.36	*	*	*	3.57	2.87	*	*	*
Lentils	105.58	92.18	*	*	*	343.07	271.70	*	*	*	3.25	2.95	*	*	*
Grass Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Soya Beans	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Fenugreek	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**156.87**	**153.84**	**190.41**	**21.38**	**23.77**	**688.14**	**498.38**	**814.39**	**18.35**	**63.41**					
Neug	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Linseed	71.66	117.73	58.90	-17.81	-49.97	236.53	330.04	212.94	-9.97	-35.48	3.30	2.80	3.62	9.70	29.29
Groundnut	*	33.20	131.52	*	296.14	432.22	159.43	*	*	*	*	4.80	*	*	*
Sufflower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Rapeseed	8.69	*	-	-	-	17.05	*	-	-	-	1.96	*	-	-	-

Table 8.18 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**2341.62**	**2042.52**	**3212.76**	**37.20**	**57.29**	**26967.93**	**20190.65**	**37233.49**	**38.07**	**84.41**					
Cereals	**2182.73**	**1798.00**	**2993.21**	**37.13**	**66.47**	**25880.51**	**18459.69**	**35751.59**	**38.14**	**93.67**					
Teff	943.09	765.00	1390.74	47.47	81.80	8859.28	4597.79	13500.34	52.39	193.63	9.39	6.01	9.71	3.41	61.56
Barley	260.25	197.39	105.56	-59.44	-46.52	2359.04	2001.46	1083.98	-54.05	-45.84	9.06	10.14	10.27	13.36	1.28
Wheat	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Maize	527.91	383.40	1035.12	96.08	169.98	8830.52	6694.24	14815.08	67.77	121.31	16.73	17.46	14.31	-14.47	-18.04
Sorghum	447.48	445.81	455.65	1.83	2.21	5820.54	5145.72	6333.15	8.81	23.08	13.01	11.54	13.90	6.84	20.45
Finger Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats/'Aja'	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**154.10**	**233.91**	**211.72**	**37.39**	**-9.49**	**1055.07**	**1647.68**	1431.26	**35.66**	**-13.13**					
Faba Beans	11.74	7.43	7.96	-32.20	7.13	44.58	0.00	*	*	*	3.80	*	*	*	*
Field Peas	81.14	88.57	65.02	-19.87	-26.59	613.37	650.55	560.52	-8.62	-13.84	7.56	7.35	8.62	14.02	17.28
Haricot beans	57.75	137.90	138.73	140.23	0.60	397.11	942.24	843.65	112.45	-10.46	6.88	6.83	6.08	-11.63	-10.98
Chick-Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grass Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**4.79**	**10.62**	*	*	*	**32.35**	**83.29**	*	*	*					
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Groundnut	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Sufflower	*	6.70	*	*	*	*	48.06	*	*	*	*	7.17	*	*	*
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-

Table 8.19 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**6893.28**	**6006.17**	**7500.55**	**8.81**	**24.88**	**74647.74**	**38419.62**	**77733.42**	**4.13**	**102.33**					
Cereals	**5122.48**	**4532.89**	**5268.36**	**2.85**	**16.23**	**55989.22**	**29427.99**	**55636.97**	**-0.63**	**89.06**					
Teff	2355.85	2369.53	2950.16	25.23	24.50	17952.39	11624.00	24624.77	37.17	111.84	7.62	4.91	8.35	9.58	70.06
Barley	956.06	498.95	319.37	-66.60	-35.99	13425.17	4697.17	5190.71	-61.34	10.51	14.04	9.41	16.25	15.74	72.69
Wheat	251.91	128.84	*	*	*	3032.57	1363.24	*	*	*	12.04	10.58	*	*	*
Maize	499.68	320.96	713.16	42.72	122.20	9013.67	3146.37	9846.49	9.24	212.95	18.04	9.80	13.81	-23.45	40.92
Sorghum	1031.24	1204.62	1135.03	10.06	-5.78	12275.13	8525.34	13236.51	7.83	55.26	11.90	7.08	11.66	-2.02	64.69
Finger Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats/'Aja'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**1763.80**	**1470.55**	**2224.18**	**26.10**	**51.25**	**18643.50**	**8984.43**	**22073.42**	**18.40**	**145.69**					
Faba Beans	1195.18	988.87	1611.28	34.81	62.94	13824.08	6671.94	17494.27	26.55	162.21	11.57	6.75	10.86	-6.14	60.89
Field Peas	349.25	216.18	429.78	23.06	98.81	3193.59	1211.03	3639.86	13.97	200.56	9.14	5.60	8.47	-7.33	51.25
Haricot beans	217.42	258.66	183.12	-15.78	-29.20	1625.07	1099.37	939.29	-42.20	-14.56	7.47	4.25	5.13	-31.33	20.71
Chick-Peas	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grass Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soya Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**7.00**	**2.74**	*	*	*	**15.02**	**7.20**	*	*	*					
Neug	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Linseed	6.73	2.74	*	*	*	15.02	7.20	*	*	*	2.23	2.63	*	*	*
Groundnut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sufflower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Rapeseed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 8.20 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains		**58088.04**	**62129.47**		**6.96**		**588521.22**	**866067.26**		**47.16**					
Cereals		**53894.06**	**58047.03**		**7.71**		**551236.67**	**825837.94**		**49.82**					
Teff		10852.84	10106.98		-6.87		71482.60	65269.31		-8.69		6.59	6.46		-1.97
Barley		5556.33	5159.25		-7.15		61504.03	70430.26		14.51		11.07	13.65		23.31
Wheat		9873.97	8978.57		-9.07		116215.55	142170.29		22.33		11.77	15.83		34.49
Maize		19446.00	21799.46		12.10		231650.26	417126.42		80.07		11.91	19.13		60.62
Sorghum		8018.44	11835.29		47.60		68818.41	128654.08		86.95		8.58	10.87		26.69
Finger Millet		*	*		*		*	*		*		*	*		*
Oats/'Aja'		*	*		*		*	*		*		*	*		*
Rice		-	-		-		-	-		-		-	-		-
Pulses		**4000.33**	**3704.26**		**-7.40**		**36919.82**	**38215.31**		**3.51**					
Faba Beans		1941.00	1413.96		-27.15		19948.51	16699.67		-16.29		10.28	11.81		14.88
Field Peas		849.93	1199.23		41.10		10164.31	11682.06		14.93		11.96	9.74		-18.56
Haricot beans		505.49	868.45		71.80		2863.67	8626.26		201.23		5.67	9.93		75.13
Chick-Peas		333.64	*		*		*	*		*	*		*		*
Lentils		31.18	*		*		58.37	*		*		1.87	*		*
Grass Peas		*	*		*		*	*		*	*		*		*
Soya Beans		-	-		-		-	-		-	-		-		-
Fenugreek		61.33	73.55		19.92		162.23	*		*		2.65	*		*
Gibto		-	-		-		-	-		-	-		-		-
Oilseeds		**193.65**	**378.17**		**95.29**		**364.74**	**2014.01**		**452.18**					
Neug		-	-		-		-	-		-	-		-		-
Linseed		174.75	263.43		50.75		286.61	945.03		229.73		1.64	3.59		118.90
Groundnut		-	-		-		-	-		-		-	-		-
Sufflower		-	*		-		-	*		-		-	*		-
Sesame		-	-		-		-	-		-		-	-		-
Rapeseed		*	110.20		*		*	1018.61		*		*	9.24		*

Note:- Since Silite zone is a newly constitued 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 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains		20964.77	22562.36		7.62		176642.13	402177.95		127.68					
Cereals		19664.79	21553.70		9.61		170866.10	396506.95		132.06					
Teff		3198.63	3804.29		18.93		15998.12	29058.42		81.64		5.00	7.64		52.80
Barley		85.16	202.15		137.38		378.97	1769.12		366.82		4.45	8.75		
Wheat		2080.90	1452.18		-30.21		17421.71	20505.57		17.70		8.37	14.12		68.70
Maize		11334.06	12472.06		10.04		114794.58	298036.18		159.63		10.13	23.90		135.93
Sorghum		2085.41	2579.22		23.68		15264.67	33467.01		119.24		7.32	12.98		77.32
Finger Millet		880.64	1043.80		18.53		7008.06	13670.65		95.07		7.96	13.10		64.57
Oats/'Aja'		-	-		-		-	-		-		-	-		-
Rice		-	-		-		-	-		-		-	-		-
Pulses		1262.49	970.36		-23.14		5615.09	5439.49		-3.13					
Faba Beans		*	*		*		*	*		*		*	*		*
Field Peas		*	-		*		*	-		*		*	*		*
Haricot beans		1007.66	802.01		-20.41		4773.38	5036.18		5.51		4.74	6.28		
Chick-Peas		*	*		*		*	*		*		*	*		*
Lentils		*	*		*		*	*		*		*	*		*
Grass Peas		-	-		-		-	-		-		-	-		-
Soya Beans		-	-		-		-	-		-		-	-		-
Fenugreek		97.05	117.28		20.84		142.99	200.76		40.40		1.47	1.71		
Gibto		-	-		-		-	-		-		-	-		-
Oilseeds		37.49	38.29		2.13		*	231.51		*					
Neug		-	-		-		-	-		-		-	-		-
Linseed		20.09	19.55		-2.69		12.97	22.31		72.01		0.65	1.14		75.38
Groundnut		-	-		-		-	-		-		-	-		-
Sufflower		-	-		-		-	-		-		-	-		-
Sesame		*	*		*		*	*		*		*	*		*
Rapeseed		*	*		*		*	*		*		*	*		*

Note:- Since Alaba Special Wereda is a newly constitued 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 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**8337.75**	**7472.82**	**9391.40**	**12.64**	**25.67**	**145743.43**	**100314.17**	**162489.72**	**11.49**	**61.98**					
Cereals	**7876.60**	**7022.20**	**8396.61**	**6.60**	**19.57**	**144048.75**	**99189.54**	**159593.51**	**10.79**	**60.90**					
Teff	4.67	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Barley	9.41	*	*	*	*	21.21	*	*	*	*	2.25	*	*	*	*
Wheat	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Maize	5110.06	4956.25	5549.27	8.60	11.97	109867.48	74875.73	119287.18	8.57	59.31	21.50	15.11	21.50	0.00	42.29
Sorghum	2664.26	1916.81	2743.69	2.98	43.14	33217.91	23242.73	39217.38	18.06	68.73	12.47	12.13	14.29	14.60	17.81
Finger Millet	48.38	46.31	*	*	*	535.55 *		*	*	*	11.07	*	*	*	*
Oats/'Aja'	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Rice	38.57	*	45.74	18.59	*	384.60	*	480.49	24.93	*	9.97	*	10.50	*	*
Pulses	**116.47**	**63.89**	**101.09**	**-13.21**	**58.23**	**706.26**	*	477.79	-32.35	*					
Faba Beans	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Field Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Haricot beans	112.31	63.84	101.09	-9.99	-43.16	704.26	*	477.79	-32.16	*	6.27	*	4.73	-24.56	*
Chick-Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Lentils	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Grass Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Soya Beans	0.09	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Gibto	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Oilseeds	**344.68**	**386.73**	**893.70**	**159.28**	**131.09**	**988.42**	**725.02**	**2418.43**	**144.68**	**233.57**					
Neug	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Linseed	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Groundnut	26.06	40.42	72.50	-	-	177.43	265.86	713.14	301.93	168.24	6.81	6.58	9.84	44.49	49.54
Sufflower	0.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	314.63	345.79	820.86	160.90	137.39	806.57	*	*	*	*	2.56	*	*	*	*
Rapeseed	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Table 9.1 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**1903.55**	1978.18	**3660.03**	**92.27**	**85.02**	**30595.62**	**24521.17**	67469.49	**120.52**	**175.15**					
Cereals	**1845.61**	1947.61	**3528.07**	**91.16**	**81.15**	**30282.28**	**24277.79**	65879.42	**117.55**	**171.36**					
Teff	0.69	-	-	-	-	0.00	-	-	-	-	0.00	-	-	-	-
Barley	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize	1715.58	1721.93	2902.53	69.19	68.56	28424.92	22638.76	54777.77	92.71	141.96	16.57	13.15	18.87	13.88	43.50
Sorghum	127.08	225.68	625.54	392.24	177.18	1857.37	1639.03	11101.65	497.71	577.33	14.62	7.26	17.75	21.41	144.49
Finger Millet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oats/'Aja'	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Rice	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Pulses	**46.10**	8.51	13.63	**-70.43**	**60.16**	**220.45**	*	68.29	**-69.02**	*					
Faba Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haricot beans	45.88	8.51	13.63	-70.29	60.16	220.45 *		68.29 *		*	4.80 *		5.01	4.38 *	
Chick-Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grass Peas	0.01	-	-	-	-	*	-	-	-	-	*	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 9.2 Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**6434.20**	5494.65	5731.37	**-10.92**	4.31	**115147.70**	75793.00	95020.24	**-17.48**	25.37					
Cereals	**6030.99**	5074.59	4868.54	**-19.27**	-4.06	**113766.47**	74911.75	93714.09	**-17.63**	25.10					
Teff	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Barley	8.02	*	*	*	*	21.21	*	*	*	*	2.64	*	*	*	*
Wheat	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Maize	3394.48	3234.32	2646.74	-22.03	-18.17	81442.56	52236.97	64509.41	-20.79	23.49	23.99	16.15	24.37	1.58	50.90
Sorghum	2537.18	1691.13	2118.15	-16.52	25.25	31360.54	21603.71	28115.73	-10.35	30.14	12.36	12.77	13.27	7.36	3.92
Finger Millet	48.38	46.31	*	*	*	535.55	*	*	*	*	11.07	*	*	*	*
Oats/'Aja'	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Rice	38.40	*	45.74	*	*	384.60	*	480.49	*	*	10.02	*	10.50	*	*
Pulses	**70.37**	55.38	87.46	**24.29**	57.93	*	*	409.49	*	*					
Faba Beans	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Field Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Haricot beans	66.43	55.33	87.46	31.66	58.07	*	*	409.49	*	*	*	*	4.68	*	*
Chick-Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Lentils	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Grass Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Soya Beans	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Fenugreek	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Gibto	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Oilseeds	**332.84**	364.67	775.37	**132.96**	112.62	**895.53** *		*	*	*					
Neug	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Linseed	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Groundnut	22.45	21.94	36.87	64.23	68.05	140.28	109.24	189.95	35.41	73.88	6.25	4.98	5.15	-17.60	3.41
Sufflower	0.68	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sesame	308.10	342.21	*	*	*	750.83	*	*	*	*	2.44	*	*	*	*
Rapeseed	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Table 10. Forecast of 2003/04 (1996 E.C.) 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	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**5899.62**	6990.53	7971.31	**35.12**	14.03	**56063.34**	52344.86	81361.18	**45.12**	55.43					
Cereals	**4624.92**	5522.06	6342.84	**37.14**	14.86	**43859.47**	42415.21	65822.91	**50.08**	55.19					
Teff	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Barley	18.04	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Wheat	99.94	83.90	*	*	*	549.11	*	*	*	*	5.49	*	*	*	*
Maize	667.56	767.67	1208.09	80.97	57.37	8267.40	8101.36	15695.32	89.85	93.74	12.38	10.55	12.99	4.93	23.13
Sorghum	3834.52	4644.34	5060.26	31.97	8.96	34892.12	33414.49	49457.53	41.74	48.01	9.10	7.19	9.77	7.36	35.88
Finger Millet	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Oats/'Aja'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**25.69**	20.14	22.71	**-11.60**	12.76	**130.21**	67.58	*	*	*					
Faba Beans	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Field Peas	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Haricot beans	10.62	17.40	*	*	*	55.60	58.75	*	*	*	5.24	3.38	*	*	*
Chick-Peas	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grass Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soya Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	-	-	-	*	*	-	-	-	*	*	-	-	-
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**1249.01**	1448.33	1605.76	**28.56**	10.87	**12073.66**	9862.07	15445.50	**27.93**	56.62					
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Groundnut	1239.61	1418.04	1555.38	25.47	9.69	11983.49	9718.83	14920.21	24.51	53.52	9.67	6.85	9.59	-0.83	40.00
Sufflower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	*	*	50.38	*	*	*	*	*	*	*	*	*	*	*	*
Rapeseed	-	*	-	*	*	-	*	-	-	-	-	*	-	-	-

Table 11. Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Addis Ababa City Adminstration

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**20980.58**	**23899.05**	**21106.66**	**0.60**	**-11.68**	**207441.87**	**231432.52**	**219378.05**	**5.75**	**-5.21**					
Cereals	**16077.97**	**18849.68**	**19556.96**	**21.64**	**3.75**	**163765.09**	**186919.30**	**205215.56**	**25.31**	**9.79**					
Teff	7982.95	9236.76	9700.54	21.52	5.02	69957.24	76485.14	85225.21	21.82	11.43	8.76	8.28	8.79	0.34	6.16
Barley	148.28	*	*	*	*	1052.02	*	*	*	*	7.09	*	*	*	*
Wheat	7864.34	8836.30	9326.87	18.60	5.55	92449.44	105519.65	116157.68	25.64	10.08	11.76	11.94	12.45	5.87	4.27
Maize	47.39	73.98	54.68	15.38	-26.09	46.18	104.56	70.68	53.05	-32.40	0.97	1.41	1.29	32.99	-8.51
Sorghum	26.51	*	-	-	-	195.91	*	-	-	-	7.39	*	-	-	-
Finger Millet	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Oats/'Aja'	*	29.25	*	*	*	*	279.92	*	*	*	*	9.57	*	*	*
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**4888.55**	**5017.47**	**1524.56**	**-68.81**	**-69.61**	**43676.78**	**44462.62**	**14104.65**	**-67.71**	**-68.28**					
Faba Beans	230.59	307.13	285.75	23.92	-6.96	1272.51	1758.28	2043.03	60.55	16.19	5.52	5.72	7.15	29.53	25.00
Field Peas	53.54	70.72	*	*	*	228.18	*	*	*	*	4.26	*	*	*	*
Haricot beans	1.39	*	*	*	*	2.03	*	*	*	*	1.46	*	*	*	*
Chick-Peas	2544.09	2663.54	496.45	-80.49	-81.36	25715.48	27084.41	6293.03	-75.53	-76.77	10.11	10.17	12.68	25.42	24.68
Lentils	*	368.97	109.23	*	-70.40	*	1183.49	421.00	*	-64.43	*	3.21	3.85		19.94
Grass Peas	1295.38	1199.82	361.58	-72.09	-69.86	12410.53	12884.68	4281.24	-65.50	-66.77	9.58	10.74	11.84		10.24
Soya Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	204.71	407.18	239.51	17.00	-41.18	756.06	950.26	748.62	-0.98	-21.22	3.69	2.33	3.13		34.33
Gibto	-	-	-	-	-	-	-	-			-	-	-	-	-
Oilseeds	**14.06**	**31.90**	**25.13**	**78.73**	**-21.22**	*	**50.60**	*	*	*					
Neug	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Linseed	11.54	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Groundnut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sufflower	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rapeseed	0.71	3.38	*	*	*	2.35	14.87	*	*	*	3.31	4.40	*	*	*

Table 12. Forecast of 2003/04 (1996 E.C.) Area, Production and Yield of Major Crops for Peasant Holdings in Ethiopia, Meher Season

Dire Dawa Adminstration

Major Crops	TOTAL AREA IN HECTARES					TOTAL PROD. IN QUINTALS					Yield(Qts/Ha)				
	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03	Estimate's of 2001/02	Forecast of 2002/03	Forecast of 2003/04	% Change Of 2003/04 over 2001/02	% Change Of 2003/04 over 2002/03
Total Grains	**6663.89**	**6803.79**	**7207.17**	**8.15**	**5.93**	**91460.05**	**41024.22**	**130738.74**	**42.95**	**218.69**					
Cereals	**6425.90**	6457.21	6879.96	7.07	6.55	**89096.81**	40085.87	126958.80	**42.50**	216.72					
Teff	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barley	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Wheat	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Maize	257.46	477.14	194.80	-24.34	-59.17	3299.87	2282.95	3132.69	-5.07	37.22	12.82	4.78	16.08	25.43	236.40
Sorghum	6160.24	5962.82	6659.61	8.11	11.69	85749.42	37723.63	123573.08	44.11	227.57	13.92	6.33	18.56	33.33	193.21
Finger Millet	*	-	-	-	-	*	-	-	-	-	*	-	-	-	-
Oats/'Aja'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	**203.63**	297.03	274.13	**34.62**	-7.71	**2139.11**	779.55	3388.49	58.41	334.67					
Faba Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Haricot beans	201.21	294.05	273.28	35.82	-7.06	2126.76	771.95	3383.00	59.07	338.24	10.57	2.63	12.38		
Chick-Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lentils	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grass Peas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soya Beans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fenugreek	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Gibto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	**34.36**	49.55	**53.08**	**54.48**	7.12	**224.13**	**158.80**	391.45	74.65	146.51					
Neug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Linseed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Groundnut	24.57	*	31.66	*	*	*	140.36	317.51	*	126.21	-	*	10.03	*	*
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:

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

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

Where:

h represents the stratum

n_h is the total number of sample EAs successfully covered in the hth stratum.

M_h is the measure of size of the hth stratum as obtained from the sampling frame.

m_{hi} is the measure of size of the ith sample EA in the hth stratum obtained from the sampling frame.

H_{hi} is the total number of agricultural households of the ith sample EA in the hth stratum.

h_{hi} is the number of sample agricultural households successfully covered in the ith sample EA in the hth stratum.

y_{hij} is the observed value of the variable y for agricultural households j, in the ith EA in the hth strtatum.

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

$\hat{Y}_h$ estimated total for stratum h

2. Sampling Variance of Estimates:

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

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

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 ith 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:

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

4. Estimator of Ratio:

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

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

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:

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

Where, $Cov(\hat{Y}_h, \hat{X}_h) = (1 - f_h)\frac{n_h}{n_h - 1}\sum_{i=1}^{n_h}(\hat{Y}_{hi} - \frac{\hat{X}_h}{n_h})(\hat{Y}_{hi} - \frac{\hat{Y}_h}{n_h})$

$$+ f_h \sum_{i=1}^{n_h}(1 - f_{hi})\left(\frac{h_{hi}}{h_{hi} - 1}\right)\sum_{j=1}^{h_{hi}}\left(\hat{X}_{hij} - \frac{\hat{X}_{hi}}{h_{hi}}\right)\left(\hat{Y}_{hij} - \frac{\hat{Y}_{hi}}{h_{hi}}\right).$$

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

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

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, 2003/04 (1996 E.C.) Crop Production Forecast Survey Results.

APPENDIX II Standard Errors and Coefficient of variations for the Estimates of Area and Production of Major Crops, 2003/4 (1996 E.C) Crop Production Forecast Sample Survey

Table 1 Estimates for National

Crop	Area				Production			
	Hectares	S.E.	C.V	In %	Quintals	S.E.	C.V	In %
TOTAL	8491959.26	111202.02		1.31	117469445.7	2476364.45		2.11
Cereals.....	6959751.21	96060.29		1.38	104169160	2320421.86		2.23
Teff.....	1908461.46	53677.76		2.81	18986943.13	655711.1		3.45
Barley.....	938035.85	40559.03		4.32	11472008.7	704286.07		6.14
Wheat.....	1085837.27	42769.7		3.94	17570211.71	1181197.42		6.72
Maize.....	1403253.18	34514.83		2.46	30713475.39	1061886.72		3.46
Sorghum.....	1264933.37	43667.49		3.45	21144053.41	1044531.65		4.94
Finger millet.....	319775.37	16236.11		5.08	3685566.02	241999.95		6.57
Oats/'Aja	38077.24	7422.1		19.49	570940.13	171019.91		29.95
Rice.....	1377.46	561.07		40.73	*	*		*
Pulses.....	954323.86	26564.55		2.78	10190348.84	367071.48		3.6
Faba beans	384018.45	14446.99		3.76	4780058.1	228972.17		4.79
Field.peas.....	208759.33	9942.05		4.76	1732671.37	101528.75		5.86
Haricot beans....	180206.33	14230.91		7.9	1988119.07	211044.11		10.62
Chick-peas.....	74133.58	6993.06		9.43	752468.98	88682.53		11.79
Lentils.....	44212.08	3944.08		8.92	278053.36	30846.98		11.09
Grass Pea.....	34755.29	4558.28		13.12	444397.41	79012.83		17.78
Soya beans.....	380.05	188.37		49.57	*	*		*
Fenugreek.....	14454.62	1599.91		11.07	106350.72	12370.81		11.63
Gibto.....	13404.13	3046.04		22.72	105490.98	26170.99		24.81
Oilseeds.....	577884.2	26245.99		4.54	3109936.87	183429.13		5.9
Neug.....	267168.59	15507.35		5.8	1137178	76844.36		6.76
Linseed.....	170689.27	17753.9		10.4	872751.15	114099		13.07
Groundnuts.....	21053.95	3949.54		18.76	207171.34	39770.88		19.2
Sufflower.....	6196.63	1311.22		21.16	37632.22	8747.42		23.24
Sesame.....	89412.2	10860.32		12.15	596014.32	88837.72		14.91
Rapeseed.....	23363.56	2313.57		9.9	259189.87	52931.65		20.42

Table 2 Estimates for Tigray Region

Crop	Area				Production			
	Hectares	S.E.	C.V	In %	Quintals	S.E.	C.V	In %
TOTAL	589328.59	25550.79		4.34	8465490.44	525341.81		6.21
Cereals.....	514235.6	23089.78		4.49	7761828.9	505954.62		6.52
Teff.....	140801.94	11521.55		8.18	1295168.18	128849.15		9.95
Barley.....	76726.78	4059.18		5.29	959532.46	70653		7.36
Wheat.....	72841.41	5572.03		7.65	957618.47	81449.82		8.51
Maize.....	47401.12	3852.39		8.13	814671.36	82143.64		10.08
Sorghum.....	121361.97	10823.67		8.92	2946757.64	361061.6		12.25
Finger millet.....	54602.95	6483.58		11.87	784269.11	114666.39		14.62
Oats/'Aja'.....	*	*		*	*	*		*
Rice.....	-	-		-	-	-		-
Pulses.....	39725.39	3148.79		7.93	456407.03	43236.11		9.47
Faba beans	15244.48	1316.73		8.64	210786.2	24071.3		11.42
Field.peas.....	4815.81	885.71		18.39	51597.97	9279.75		17.98
Haricot beans....	567.18	240.7		42.44	2946.15	1218.32		41.35
Chick-peas.....	6818.72	1493.27		21.9	83717.03	20952.77		25.03
Lentils.....	5429.05	1122.8		20.68	34364.49	8935.59		26
Grass Pea.....	6419.08	1222.01		19.04	71443.05	15589.12		21.82
Soya beans.....	-	-		-	-	-		-
Fenugreek.....	431.06	169.5		39.32	1552.13	609.32		39.26
Gibto.....	-	-		-	-	-		-
Oilseeds.....	35367.59	3980.39		11.25	247254.52	30696.67		12.42
Neug.....	4937.93	1364.2		27.63	33153.26	8458.33		25.51
Linseed.....	6558.35	851.31		12.98	28808.09	4102.01		14.24
Groundnuts.....	-	-		-	-	-		-
Sufflower.....	*	*		*	*	*		*
Sesame.....	23861.53	3755.9		15.74	185234.94	30306.81		16.36
Rapeseed.....	*	*		*	*	*		*

Table 3 Estimates for Afar Region

Crop	Area				Production			
	Hectares	S.E.	C.V	In %	Quintals	S.E.	C.V	In %
TOTAL	9104.57	1145.84		12.59	107902.25	20304.14		18.82
Cereals.....	8228.78	987.49		12	101077.23	18464.95		18.27
Teff.....	1695.46	315.53		18.61	8952.97	1890.28		21.11
Barley.....	*	*		*	*	*		*
Wheat.....	*	*		*	*	*		*
Maize.....	3386.3	548.94		16.21	62409.9	16801.5		26.92
Sorghum.....	3106.8	576.06		18.54	29389.26	6529.65		22.22
Finger millet.....	-	-		-	-	-		-
Oats/'Aja'.....	-	-		-	-	-		-
Rice.....	-	-		-	-	-		-
Pulses.....	412.93	122.24		29.6	2231.16	773.75		34.68
Faba beans	-	-		-	-	-		-
Field.peas.....	-	-		-	-	-		-
Haricot beans....	336.56	112.35		33.38	2046.71	699.47		34.18
Chick-peas.....	64.78	31.37		48.43	*	*		*
Lentils.....	*	*		*	*	*		*
Grass Pea.....	-	-		-	-	-		-
Soya beans.....	-	-		-	-	-		-
Fenugreek.....	-	-		-	-	-		-
Gibto.....	-	-		-	-	-		-
Oilseeds.....	462.86	198.71		42.93	*	*		*
Neug.....	-	-		-	-	-		-
Linseed.....	*	*		*	*	*		*
Groundnuts.....	-	-		-	-	-		-
Sufflower.....	38.48	15.43		40.09	160.49	67.23		41.89
Sesame.....	419.63	193.82		46.19	*	*		*
Rapeseed.....	-	-		-	-	-		-

Table 4 Estimates for Amhara Region

Crop	Area				Production			
	Hectares	S.E.	C.V	In %	Quintals	S.E.	C.V	In %
TOTAL	2990217.41	68724.91		2.3	34108797.76	1096313.64		3.21
Cereals.....	2328452.87	56482.66		2.43	28576750.47	988803.27		3.46
Teff.....	791110.24	34166.27		4.32	7653029.98	442812.1		5.79
Barley.....	334252.15	17314.89		5.18	3409070.72	232724.22		6.83
Wheat.....	315353.64	20289.15		6.43	4078294.97	339487.86		8.32
Maize.....	264212.83	13342.1		5.05	5444075.82	393164.05		7.22
Sorghum.....	449049.17	28948.8		6.45	6041117.36	606375.85		10.04
Finger millet.....	165554.39	13495.18		8.15	1836251.52	194360.68		10.58
Oats/'Aja'.....	8304.81	2185.61		26.32	98612.17	29002.76		29.41
Rice.....	*	*		*	*	*		*
Pulses.....	454244.5	19614.12		4.32	4471964.3	238557.3		5.33
Faba beans	187372.33	10692.02		5.71	2325212.36	162221.75		6.98
Field.peas.....	97376.38	6751.56		6.93	725733.31	67919.4		9.36
Haricot beans....	44832.19	9000.39		20.08	282242.42	46006.83		16.3
Chick-peas.....	50830.37	5597.7		11.01	463273.43	61562.96		13.29
Lentils.....	30968.39	3624.92		11.71	209482.5	29048.84		13.87
Grass Pea.....	21659.18	4081.55		18.84	299830.32	75315.49		25.12
Soya beans.....	*	*		*	*	*		*
Fenugreek.....	7795.13	1314.16		16.86	60636.1	10371.87		17.11
Gibto.....	13402.25	3046.04		22,73	105462.76	26170.98		24.82
Oilseeds.....	207520.04	13413.93		6.46	1060082.98	106253.4		10.02
Neug.....	130405.77	11837.86		9.08	535778.33	57761.45		10.78
Linseed.....	31179.93	3117.93		10	116195.57	12669.35		10.9
Groundnuts.....	*	*		*	*	*		*
Sufflower.....	5374.45	1226.99		22.83	30969.28	7731.04		24.96
Sesame.....	20009.53	3990.48		19.94	117156.88	48033.59		41
Rapeseed.....	18093.22	2132.66		11.79	230130.59	52692.75		22.9

Table 5 Estimates for Oromia Region

Crop	Area				Production			
	Hectares	S.E.	C.V	In %	Quintals	S.E.	C.V	In %
TOTAL	3865320.31	78811.7		2.04	62134207.29	2110192.35		3.4
Cereals.....	3254180.37	70082.39		2.15	56561355.07	1995918.25		3.53
Teff.....	797547.44	38168.5		4.79	8751500.26	456983.8		5.22
Barley.....	457656.65	36019.4		7.87	6306065.63	656657.28		10.41
Wheat.....	573668.46	36226.87		6.31	10796093.52	1120132.81		10.38
Maize.....	815768.62	27682.56		3.39	19600206.27	931479.06		4.75
Sorghum.....	507098.29	29872.07		5.89	9868787.22	761085.37		7.71
Finger millet.....	73883.85	5438.37		7.36	776108.72	80821.72		10.41
Oats/'Aja'.....	28471.73	7080.09		24.87	461453.53	168499.01		36.51
Rice.....	*	*		*	*	*		*
Pulses.....	319236.15	15858.71		4.97	4042885.64	262492.44		6.49
Faba beans	130098.22	8663.4		6.66	1740140.62	154061.38		8.85
Field.peas.....	68091.53	6449.49		9.47	660248.28	68557.71		10.38
Haricot beans.....	88212.31	10091.27		11.44	1313567.62	198272.95		15.09
Chick-peas.....	14698.65	3900.14		26.53	190807.29	60234.86		31.57
Lentils.....	6614.82	1037.86		15.69	29134.74	5148.68		17.67
Grass Pea.....	6049.61	1617.13		26.73	67760.9	18065.24		26.66
Soya beans.....	-	-		-	-	-		-
Fenugreek.....	5471.01	885.49		16.19	41226.18	6667.31		16.17
Gibto.....	-	-		-	-	-		-
Oilseeds.....	291903.8	21937.09		7.52	1529966.58	143403.11		9.37
Neug.....	116912.96	9511.78		8.14	525452.97	49516.77		9.42
Linseed.....	130870.86	17450.6		13.33	720682.37	113302.22		15.72
Groundnuts.....	11542.59	3274.43		28.37	97934.29	27811.38		28.4
Sufflower.....	*	*		*	*	*		*
Sesame.....	27120.34	9221.1		34	154256.68	63668.33		41.27
Rapeseed.....	4810.12	891.96		18.54	25907.07	4964.03		19.16

Table 6 Estimates for Somali Region

Crop	Area				Production			
	Hectares	S.E.	C.V	In %	Quintals	S.E.	C.V	In %
TOTAL	69414.16	5710.16		8.23	936270.61	111420.64		11.9
Cereals.....	67906.81	5573.06		8.21	928157.03	110762.04		11.93
Teff.....	-	-		-	-	-		-
Barley.....	4379.68	991.93		22.65	37177.67	8242.57		22.17
Wheat.....	9871.41	1558.47		15.79	160575.03	29830.5		18.58
Maize.....	19386.97	2291.97		11.82	288838.51	61817.16		21.4
Sorghum.....	33791.21	3477.6		10.29	437313.74	57702.71		13.19
Finger millet.....	-	-		-	-	-		-
Oats/'Aja'.....	477.54	187.73		39.31	4252.07	1991.59		46.84
Rice.....	-	-		-	-	-		-
Pulses.....	1375.51	423.38		30.78	7494.23	1810.96		24.16
Faba beans	-	-		-	-	-		-
Field.peas.....	*	*		*	1107.39	538.06		48.59
Haricot beans.....	362.17	133.12		36.76	2595.15	878.85		33.87
Chick-peas.....	274.32	121.51		44.29	1661.27	746.56		44.94
Lentils.....	*	*		*	*	*		*
Grass Pea.....	-	-		-	-	-		-
Soya beans.....	-	-		-	-	-		-
Fenugreek.....	218.05	93.62		42.94	*	*		*
Gibto.....	-	-		-	-	-		-
Oilseeds.....	131.84	45.03		34.16	619.35	284.34		45.91
Neug.....	-	-		-	-	-		-
Linseed.....	131.84	45.03		34.16	619.35	284.34		45.91
Groundnuts.....	-	-		-	-	-		-
Sufflower.....	-	-		-	-	-		-
Sesame.....	-	-		-	-	-		-
Rapeseed.....	-	-		-	-	-		-

Table 7 Estimates for Benishangul-Gumuz Region

Crop	Area				Production			
	Hectares	S.E.	C.V	In %	Quintals	S.E.	C.V	In %
TOTAL	153468.98	7499.77		4.89	1876496.02	100782.91		5.37
Cereals.....	108832.09	5952.1		5.47	1544340.36	78982.22		5.11
Teff.....	13067.45	2902.23		22.21	107161.47	22302.63		20.81
Barley.....	*	*		*	*	*		*
Wheat.....	*	*		*	*	*		*
Maize.....	27625.43	1710.12		6.19	527460.41	42685.58		8.09
Sorghum.....	43947.39	3083.57		7.02	648045.72	57742.28		8.91
Finger millet.....	21771.31	2790.39		12.82	236730.77	24868.87		10.51
Oats/'Aja'.....	*	*		*	*	*		*
Rice.....	*	*		*	*	*		*
Pulses.....	8017.95	1731.45		21.59	95074.98	31675.56		33.32
Faba beans	449.94	203.46		45.22	4875.82	2266.96		46.49
Field.peas.....	908.93	300.43		33.05	6024.42	2118.79		35.17
Haricot beans....	6220.35	1659.98		26.69	81288.87	31393.37		38.62
Chick-peas.....	17.1	-		-	51.3	-		-
Lentils.....	47.99	16.53		34.43	158.6	70.22		44.27
Grass Pea.....	-	-		-	-	-		-
Soya beans.....	*	*		*	*	*		*
Fenugreek.....	-	-		-	-	-		-
Gibto.....	*	*		*	*	*		*
Oilseeds.....	36618.95	3350.69		9.15	237080.68	28579.96		12.05
Neug.....	14380.03	2829.78		19.68	41104.41	6724.35		16.36
Linseed.....	171.34	52.02		30.36	373.54	129.03		34.54
Groundnuts.....	5032.36	1126.19		22.38	62099.74	13239.14		21.32
Sufflower.....	*	*		*	*	*		*
Sesame.....	16867.11	1639.07		9.72	131944.37	24603.47		18.65
Rapeseed.....	146.34	54.66		37.35	1424.6	595.93		41.83

Table 8 Estimates for SNNP Region

Crop	Area				Production			
	Hectares	S.E.	C.V	In %	Quintals	S.E.	C.V	In %
TOTAL	769428.7	26104.01		3.39	9246313.66	420784.17		4.55
Cereals.....	636738.32	22785.08		3.58	8138060.18	382970.67		4.71
Teff.....	154538.39	10699.38		6.92	1085905.05	88474.42		8.15
Barley.....	63730.21	5481.34		8.6	748671.84	74689.65		9.98
Wheat.....	103692.99	8380.29		8.08	1451400.88	132323.27		9.12
Maize.....	218465.06	14929.68		6.83	3837627.25	303655.61		7.91
Sorghum.....	92115	6023.23		6.54	960394.49	81562.27		8.49
Finger millet.....	3909.12	1446.31		37	51611.78	22108.72		42.84
Oats/'Aja'.....	287.55	100.04		34.79	2448.89	957.12		39.08
Rice.....	-	-		-	-	-		-
Pulses.....	129388.93	7502.64		5.8	1096227.81	77747.41		7.09
Faba beans	50565.46	4190.38		8.29	496997.11	42335.76		8.52
Field.peas.....	37078.93	3267.34		8.81	287644.81	30065.61		10.45
Haricot beans....	39279.65	4102.08		10.44	299479.01	46058.6		15.38
Chick-peas.....	933.18	314.28		33.68	6482.33	2098.28		32.37
Lentils.....	966.86	272.78		28.21	3514.06	963.74		27.43
Grass Pea.....	265.83	38.19		14.37	1081.9	262.93		24.3
Soya beans.....	-	-		-	-	-		-
Fenugreek.....	299.02	90.12		30.14	1028.59	451.56		43.9
Gibto.....	-	-		-	-	-		-
Oilseeds.....	3301.45	520.23		15.76	12025.67	2145.83		17.84
Neug.....	531.9	19.98		3.76	1689.03	29.45		1.74
Linseed.....	1749.51	475.65		27.19	6018.92	1936.96		32.18
Groundnuts.....	362.32	122.94		33.93	1334.11	449.2		33.67
Sufflower.....	113.11	46.35		40.98	610.91	249.43		40.83
Sesame.....	*	*		*	*	*		*
Rapeseed.....	303.23	75.77		24.99	1677.47	485.75		28.96

Table 9 Estimates for Gambella Region

Crop	Area				Production			
	Hectares	S.E.	C.V	In %	Quintals	S.E.	C.V	In %
TOTAL	9391.4	1115.22		11.87	162489.72	25294.72		15.57
Cereals.....	8396.61	1022.23		12.17	159593.51	25368.24		15.9
Teff.....	-	-		-	-	-		-
Barley.....	*	*		*	*	*		*
Wheat.....	-	-		-	-	-		-
Maize.....	5549.27	830.4		14.96	119287.18	21925.22		18.38
Sorghum.....	2743.69	395.47		14.41	39217.38	6029.89		15.38
Finger millet.....	*	*		*	*	*		*
Oats/'Aja'.....	-	-		-	-	-		-
Rice.....	45.74	22.72		49.69	480.49	222.82		46.37
Pulses.....	101.09	36.13		35.74	477.79	157.87		33.04
Faba beans	-	-		-	-	-		-
Field.peas.....	-	-		-	-	-		-
Haricot beans....	101.09	36.13		35.74	477.79	157.87		33.04
Chick-peas.....	-	-		-	-	-		-
Lentils.....	-	-		-	-	-		-
Grass Pea.....	-	-		-	-	-		-
Soya beans.....	-	-		-	-	-		-
Fenugreek.....	-	-		-	-	-		-
Gibto.....	-	-		-	-	-		-
Oilseeds.....	893.7	377.81		42.27	2418.43	1044.25		43.18
Neug.....	-	-		-	-	-		-
Linseed.....	-	-		-	-	-		-
Groundnuts.....	72.5	25.57		35.27	713.14	345.32		48.42
Sufflower.....	-	-		-	-	-		-
Sesame.....	820.86	379.98		46.29	*	*		*
Rapeseed.....	*	*		*	*	*		*

Table 10 Estimates for Harari Region

Crop	Area				Production			
	Hectares	S.E.	C.V	In %	Quintals	S.E.	C.V	In %
TOTAL	7971.31	900.31		11.29	81361.18	12183.17		14.97
Cereals.....	6342.84	680.84		10.73	65822.91	9095.97		13.82
Teff.....	-	-		-	-	-		-
Barley.....	*	*		*	*	*		*
Wheat.....	*	*		*	*	*		*
Maize.....	1208.09	175.9		14.56	15695.32	3212.15		20.47
Sorghum.....	5060.26	593.28		11.72	49457.53	7952.34		16.08
Finger millet.....	-	-		-	-	-		-
Oats/'Aja'.....	*	*		*	*	*		*
Rice.....	-	-		-	-	-		-
Pulses.....	22.71	10.87		47.85	*	*		*
Faba beans	*	*		*	*	*		*
Field.peas.....	-	-		-	-	-		-
Haricot beans....	*	*		*	*	*		*
Chick-peas.....	-	-		-	-	-		-
Lentils.....	-	-		-	-	-		-
Grass Pea.....	-	-		-	-	-		-
Soya beans.....	-	-		-	-	-		-
Fenugreek.....	-	-		-	-	-		-
Gibto.....	-	-		-	-	-		-
Oilseeds.....	1605.76	395.68		24.64	15445.5	4570.61		29.59
Neug.....	-	-		-	-	-		-
Linseed.....	-	-		-	-	-		-
Groundnuts.....	1555.38	387.6		24.92	14920.21	4437.13		29.74
Sufflower.....	-	-		-	-	-		-
Sesame.....	50.38	23.86		47.35	*	*		*
Rapeseed.....	-	-		-	-	-		-

Table 11 Estimates for Addis Ababa City Administration

Crop	Area				Production			
	Hectares	S.E.	C.V	In %	Quintals	S.E.	C.V	In %
TOTAL	21106.66	2088.46		9.89	219378.05	21542.34		9.82
Cereals.....	19556.96	1971.57		10.08	205215.56	20721.79		10.1
Teff.....	9700.54	1178.4		12.15	85225.21	10464.13		12.28
Barley.....	*	*		*	*	*		*
Wheat.....	9326.87	1083.38		11.62	116157.68	14535.29		12.51
Maize.....	54.68	17.64		32.26	70.68	23.61		33.41
Sorghum.....	-	-		-	-	-		-
Finger millet.....	-	-		-	-	-		-
Oats/'Aja'.....	*	*		*	*	*		*
Rice.....	-	-		-	-	-		-
Pulses.....	1524.56	243.73		15.99	14104.65	2687.58		19.05
Faba beans	285.75	85.02		29.75	2043.03	753.93		36.9
Field.peas.....	*	*		*	*	*		*
Haricot beans....	*	*		*	*	*		*
Chick-peas.....	496.45	114.82		23.13	6293.03	1535.31		24.4
Lentils.....	109.23	37.89		34.69	421	145.73		34.61
Grass Pea.....	361.58	94.81		26.22	4281.24	1078.29		25.19
Soya beans.....	-	-		-	-	-		-
Fenugreek.....	239.51	54.91		22.93	748.62	284.62		38.02
Gibto.....	-	-		-	-	-		-
Oilseeds.....	25.13	12.03		47.88	*	*		*
Neug.....	-	-		-	-	-		-
Linseed.....	*	*		*	*	*		*
Groundnuts.....	-	-		-	-	-		-
Sufflower.....	-	-		-	-	-		-
Sesame.....	-	-		-	-	-		-
Rapeseed.....	*	*		*	*	*		*

Table 12 Estimates for Dire Dawa Administrative Council

Crop	Area				Production			
	Hectares	S.E.	C.V	In %	Quintals	S.E.	C.V	In %
TOTAL	7207.17	805.59		11.18	130738.74	16907.6		12.93
Cereals.....	6879.96	769.62		11.19	126958.8	16624.41		13.09
Teff.....	-	-		-	-	-		-
Barley.....	*	*		*	*	*		*
Wheat.....	*	*		*	*	*		*
Maize.....	194.8	42.34		21.74	3132.69	1069.86		34.15
Sorghum.....	6659.61	776.24		11.66	123573.08	16729.07		13.54
Finger millet.....	-	-		-	-	-		-
Oats/'Aja'.....	*	*		*	*	*		*
Rice.....	-	-		-	-	-		-
Pulses.....	274.13	76.02		27.73	3388.49	1055.27		31.14
Faba beans	-	-		-	-	-		-
Field.peas.....	-	-		-	-	-		-
Haricot beans....	273.28	76.02		27.82	3383	1055.51		31.2
Chick-peas.....	-	-		-	-	-		-
Lentils.....	-	-		-	-	-		-
Grass Pea.....	-	-		-	-	-		-
Soya beans.....	-	-		-	-	-		-
Fenugreek.....	*	*		*	*	*		*
Gibto.....	-	-		-	-	-		-
Oilseeds.....	53.08	22.24		41.89	391.45	157.59		40.26
Neug.....	-	-		-	-	-		-
Linseed.....	-	-		-	-	-		-
Groundnuts.....	31.66	13.7		43.27	317.51	150.5		47.4
Sufflower.....	-	-		-	-	-		-
Sesame.....	*	*		*	*	*		*
Rapeseed.....	-	-		-	-	-		-

APPENDIX III

The 2003/04 (1996 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) of the 2002/3 (1996 E.C.) Crop Production Forecast Sample Survey

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.wereda	Sampled	Covered	Sampled	Covered
Tigray	North Western Tigray	32	32	320	320
	Central Tigray	36	36	360	360
	Eastern Tigray	32	32	320	320
	Southern Tigray	36	35	350	350
	Western Tigray	28	27	280	270
	Region Total	**164**	**162**	**1640**	**1620**
Afar	Zone One	28	28	280	276
	Zone Three	28	28	280	280
	Region Total	**56**	**56**	**560**	**556**
Amhara	North Gonder	40	39	400	390
	South Gonder	40	37	400	370
	North Wello	40	40	400	400
	South Wello	48	48	480	480
	North Shewa	40	40	400	400
	East Gojam	44	44	440	440
	West Gojam	44	43	440	430
	Wag Hemira	32	31	320	310
	Awi	36	36	360	360
	Oromia	32	32	320	320
	Region Total	**396**	**390**	**3960**	**3900**
Oromia	West Wellega	40	40	400	400
	East Wellega	36	36	360	360
	Illubabor	36	36	360	360
	Jimma	44	44	440	440
	West Shewa	36	36	360	360
	North Shewa	36	36	360	359
	East Shewa	40	40	400	400
	Arsi	44	44	440	440
	West Harerghe	36	32	360	320
	East Harerghe	44	41	440	410
	Bale	36	17	360	169
	Borena	36	36	360	359
	South West Shewa	36	36	360	360
	Guji	36	36	360	360
	Region Total	**536**	**510**	**5360**	**5097**

Continued (Appendix III)

Region	Stratum	Enumeration Areas		Households	
	Zone/Sp.wereda	Sampled	Covered	Sampled	Covered
Somali	Shinile	24	24	240	240
	Jijiga	32	32	320	320
	Liben	28	28	280	280
	Region Total	**84**	**84**	**840**	**840**
Benishangul-Gumuz	Metekel	28	22	280	220
	Asosa	28	28	280	280
	Kemashi	28	28	280	280
	Region Total	**84**	**78**	**840**	**780**
SNNP	Guraghe	36	36	360	360
	Hadiya	32	32	320	320
	Kembata_Tambaro	32	32	320	320
	Sidama	44	44	440	440
	Gedeo	32	32	320	320
	Wolayita	36	36	360	360
	South Omo	32	32	320	320
	Shaka	28	28	280	280
	Keffa	32	32	320	320
	Gamo_Gofa	36	36	360	360
	Benchi_Maji	32	32	320	320
	Yem Specia Wereda	24	24	240	240
	Amaro Special W.	24	24	240	240
	Burji Special Wereda	24	24	240	240
	Konso Special Wereda.	24	24	240	240
	Derashe Special Wereda.	24	24	240	240
	Dawro	32	32	320	320
	Basketo Special Wereda.	24	24	240	240
	Konta Special Wereda.	24	23	240	230
	Siltie	28	28	280	280
	Alaba Special Wereda.	24	24	240	240
	Region Total	**624**	**623**	**6240**	**6230**
Gambella	Zone One	28	16	280	160
	Zone Two	28	28	280	280
	Region Total	**56**	**44**	**560**	**440**
Harari	**Harari**	**24**	**24**	**240**	**240**
Addis Ababa	**Addis Ababa**	**24**	**24**	**240**	**240**
Dire Dawa	**Dire Dawa**	**24**	**24**	**240**	**240**
Country Total		**2072**	**2019**	**20720**	**20183**

APPENDIX IV

Questionnaires used in the 2003/04 (1996 E.C.) Crop Production Forecast Sample Survey

APPENDIX IV: Questionnaires used for the 2003/04 (1996 E.C.) Crop Production Sample Survey

Form CPSS 96/2

Crop Production Sample Survey
Assessment of Crop Conditions - 2003/04 (1996 E.C.)

NOTE:- This Form should be Filled Out For Mixed Crops According to their Type in Pure Stands

Part I - Identification Particulars

1	2	3	4	5	6
Region	Zone	Wereda	Farmers' Association	Enumeration Area	Crop Name

Part II - Assessment of Crop Conditions (For Meher Season)

1	2	3	4	5	6	7	8	9		10	11
					Crop Productivity Compared to Last Year						
					Increase =1 Equal / No change =2 Decrease =3	If Increase Quantity in Percent	If Decrease				
Sr. No.	Name of Holder	Household ID Number	Holder ID Number	Number of Fields			Quantity In Percent	One Major Reason for Decrease	Code	Change In Percent	Remarks
0 1											
0 2											
0 3											
0 4											
0 5											
0 6											
0 7											
0 8											
0 9											
1 0											
1 1											
1 2											
1 3											
1 4											
1 5											
1 6											
1 7											
1 8											

Form CPSS 96/3A

Crop Production Sample Survey
List of Fields Under Temporary Crops (Including Vegetables and Root Crops) and Agricultural Practices
(Meher Season) - 2003/04 (1996 E.C.)

Part 1- IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11	12	13
Region	Zone	Wereda	Farmers' Association	Enumeration Areas	Household ID Number	Holder ID Number	Holder's Name	Age	Sex (male → 1, Female → 2)	Educational Status	Household Size	Type of Holding (crop → 1, Livestock → 2, Both → 3)

Part II - Area Under Temporary Crops and Agricultural Practice

1	2	3	4	5	6
Sr. No.	Questions	Parcel No / Field No. / crop name (code)	Parcel No. / filed NO. / crop name (code)	Parcel No. / filed NO. / crop name (code)	Parcel No. / filed NO. / crop name (code)
0	1 Type of Holding Private → 1 Others → 3 Rated /contract → 2				
0	2 Field Area in local unit	Local Unit (code) Area	Local Unit (code) Area	Local Unit (code) Area	Local Unit (code) Area
0	3 Have the field been included in the extention Package program Yes → 1 No → 2				
0	4 Was the field Irrigated? Yes → 1 No → 2				
0	5 Variety of seeds used Improved → 1 Indigenous → 2				
0	6 (For Cereals,Pulses and Oil seeds only) If indigenous 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&3 → 5 Herbicide → 2&3 → 6 Fungicide → All → 7 1&2 →				
1	5 Was the field fertilized? Yes → 1 No → 2				
1	6 If fertilized what type ? Natural → Bothe → 3 Chemical →				
1	7 One main reason for not using chemical fertilizer	Reason (Code)	Reason (Code)	Reason	Reason (Code)
1	8 If chemical fertilizer used 18.1 Type Urea → Both → 3 Dap				
	18.2 Quantity in K.g	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram
1	9 Manure → 1 Both → 3 compost → 2 Others → 4 / If others specify/ →				

Form 4 CPSS 96/3B

Crop Production Sample Survey
List of Fields Under Permanent Crops and their Agricultural Practices
2003/04 (1996 E.C.)

Part 1 IDENTICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11	12	13
Region	Zone	Wereda	Farmers' Association	Enumeration Areas	Household ID Number	Holder ID Number	Holder's Name	Age	Sex male → 1 Female → 2	Educational Status	Household Size	Type of Holding crop → 1 Livestock → 2 Both → 3

Part II - Area Under Permanent Crops and Agricultural Practice

1	2 Question	3 parcel No / Field No / Crop Name (code)	4 parcel No / Field No / Crop Name (code)	5 parcel No / Field No / Crop Name (code)	6 parcel No / Field No / Crop Name (code)
0 1	Type of Holding Private → 1 Other → 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	Has the field been included in the extention package program Yes → 1 No → 2				
0 4	Total number of trees in the field. (Excluding Coffe,Chat,Pinespple,Suger-cane)	Quantity	Quantity	Quantity	Quantity
0 5	Number of trees of fruit bearing age (Excluding Coffe,Chat,Pinespple,Suger-cane)	Quantity	Quantity	Quantity	Quantity
0 6	Was the field Irrigated Yes → 1 No → 2				
0 7	Variety of seeds used Improved → 1 Indiginous → 2				
0 8	Was the crop Damaged Yes → 1 No → 2				
0 9	If yes, what was the major cause of damage	Reason (code)	Reason (code)	Reason (code)	Reason (code)
1 0	Persontage of Damage				
1 1	Any control /prevention measure taken for crop Damage Yes → 1 No → 2				
1 2	Chemical → 1 Both → 3 Non chemical → 2				
1 3	If chemica Incectide → 1 1&3 → 5 Herbicide → 2 2&3 → 6 Fungicids → 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 Chemica → 2				
1 6	Reason for not using chemical fertilizer	Reason (code)	Reason (code)	Reason (code)	Reason (code)
1 7	If chemical (comercial) fertilizer used 17.1 Type. Urea → 1 Both → 3 Dap → 2				
	17.2 Quantity in Kg.	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram
1 8	If natural fertilizer used mainly what type? Manure → 1 Both → 3 Compost → 2 Others → 4 /If others specify/ →				

Form CPSS 96/3C

Crop Production Sample Survey
List of Fields Under Mixed Crops and their Agricultural Practices
(Meher Season) - 2003/04 (1996 E.C.)

Part 1- IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11	12	13
Region	Zone	Wereda	Farmers' Association	Enumeration Areas	Household ID Number	Holder ID Number	Holder's Name	Age	Sex male → 1 Female → 2	Educational Status	Household Size	Type of Holding crop → 1 Livestock → 2 Both → 3

Part II - Area Under Mixed Crops and Agricultural Practice

1	2 Questions	3			4		
		Parcel No. / Field No.			Parcel No. / Field No.		
		Crop Name (code)	Corp Name (code)	Crop Name (code)	Corp Name (code)	Corp Name (code)	Corp Name (code)
0 1	Type of Holding Private → 1 Rented/contract → 2 Others → 3						
0 2	Have the field been included in the extention pakage program Yes → 1 No → 2						
0 3	Total Mixed Crop Area in Local Unit	Name of Local Unit / code / Area			Name of Local Unit / code / Area		
0 4	Percentage share of Area	Percent	Percent	Percent	Percent	Percent	Percent
0 5	Total number of trees in the field. (Excluding Coffe,Chat,Pinesepple,Sugar-cane)	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity
0 6	Number of trees of fruit bearing age (Excluding Coffe,Chat,Pinesepple,Sugar-cane)	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity
0 7	was the field irrigated yes → 1 No → 2						
0 8	Variety of seeds used Improved → 1 Indigenous → 2						
0 9	If indigenous seed was used what was (for Cereals, Pulses & Oilseeds) the quantity	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram
1 0	If improved seed was used, (for Cereals, Pulses & Oilseeds) what was the quantity	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram	Kg. Gram
1 1	If improved seed was used (for Cereals, Pulses & Oilseeds) what was the cost/price	Birr Cent	Birr Cent	Birr Cent	Birr Cent	Birr Cent	Birr Cent
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 Non-chemical → 2 Both → 3						
1 7	If chemical in 16, Insecticide → 1 Herbicide → 2 Fungicide → 3 1&2 → 4 1&3 → 5 2&3 → 6 All → 7						
1 8	Was the field fertilized yes → 1 No → 2						
1 9	If fertilized what type? Natural → 1 Chemical → 2 Both → 3						
2 0	One main Reason for not using Chemical fertilizer	Reason Code			Reason Code		
2 1	If chemical fertilizer used 21.1 Type Urea → 1 Dap → 2 Both → 3						
	21.2 Quantity in Kilo gram	Kg. Gram			Kg. Gram		
2 2	If natural fertilizer used mainly what type ? Manure → 1 Compost → 2 Both → 3 Others → 4 / If others specify/						

Form CPSS 96/3D

Crop Production Sample Survey
List of Fields Under Other Land Use (Fields not occupied by any type of Crop)
(Meher Season) - 2003/04 (1996 E.C.)

part I- IDENTIFICATION PARTICULARS

1	2	3	4	5	6	7	8	9	10	11	12	13
Region	Zone	Wereda	Farmers' Association	Enumeration Areas	Household ID Number	Holder ID Number	Holder's Name	Age	Sex Male → 1 Female →	Educational Status	Household Size	Type of Holding crop → 1 Livestock → 2 Both → 3

Part II - Other Land Utilization and Local Area Measurment units

1	2	3	4	5	6	7	8	9	10
sr. NO.	Parcel	Field No.	Type of Land use	code	Type of owner ship Private → 1 Rented/contrat → 2 Other → 3	code	Area in Local unit: Local unit NAME	code	Area
01									
02									
03									
04									
05									
06									
07									
08									
09									
10									

FORM CPSS-96/4

Crop Production Sample Survey
Area under Crop Fields and Other Land Uses
2003/04 (1996 E.C.)

Part 1: Identification Particular

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

9	10	11	12	13	14	15	16
Parcel No.	Field No.	The Field or other land used Field Under Temp/Veg/Root Crops → 1 Permanent → 2 Mixed → 3 Other land use → 4 code	SR. No.	Name of Crop or Type of Land use	If in col.11 code 1,2 or 3 Quantity of prod. In Local unit		Area in Percentage share for each Crop (If in Col. 11 Code 3)
					Identification particulars		
				code	Name	Code Quantity	
			1				
			2				
			3				

Part II. Area Measurement Result

1		2	3		4		5	
The field or other land use Date of measurement		Area in Sq.m.	Area in Local Units				Reason if area Measurment not conducted	
Date	Month		Name of Local Area Unit	code	Area			Code

Part III. Bearing and Distances of the Measured Area

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

Part -4 Crop Cutting for Temporary Crops

	1	2
	Length In Meters	From Random table
Long Side		
Short Side		

Part-5 For Permanent, Vegetables and Root Crops

Crop Productivity Compared to Last Year			
1	2	3	4
Increase →1	If increase, Quantity	If Decrease, Quantity in	Change in Percent
No change → 2	In Percent	Percent	
Decrease →3			