

PEOPLES' DEMOCRATIC REPUBLIC  
OF ETHIOPIA  
CENTRAL STATISTICAL AUTHORITY

1742

AGRICULTURAL SAMPLE SURVEY  
1986/87 (1979 E.C.)

RESULTS OF  
AREA AND PRODUCTION BY SECTOR

ADDIS ABABA

SEPTEMBER 1987

Zone-based Fare Integration for Public Transport in the Case of Addis Ababa City

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## I. INTRODUCTION

The Integrated System of Food and Agricultural Statistics was initiated in 1980 as the first phase of the Rural Integrated Survey Programme which is the major part of the National Household Integrated Survey Programme. As the first round of the programme the Agricultural Sample Survey was conducted in 1980/81 (1973 E.C.). Since then consecutive sample surveys were carried out every year. This report contains the results of the Agricultural Sample Survey of the Seventh round which was carried out in 1986/87 (1979 E.C.). For this round as it was the case for the fifth and sixth rounds, Agricultural households were used as statistical units and data were collected for main Agricultural Season (Meher) of 1986/87 (1979 F.C.) and Belg Season of 1985/86 (1978 E.C.).

The estimates of area, production and yield for private peasant holdings and cooperatives were compiled from the results of the sample survey of 1986/87 (1979 E.C.) conducted by C.S.O. (Central Statistical Office) while such estimates for the state farms were obtained from the records maintained by the Ministry of State Farms development.

## II. OBJECTIVES

The main objective of the survey was to collect basic quantitative information on the nation's current state of Agriculture needed in development planning, socio-economic policy formulation and establishment of national priorities. The survey was designed to obtain reliable estimate for the country and relatively rough estimates for the regions in the country. Moreover, an attempt was made to obtain rough Awraja estimates for private peasant holdings in the regions of Shoa, Gojjam and Arssi.

## III. COVERAGE

The 1986/87 (1979 F.C.) Agricultural Sample Survey was launched in 12 regions of the country, excluding Eritrea and Tigray. Data was collected on area under major crops, their production general agricultural practices and number of livestock and poultry by type, age and sex. The target populations of the survey were the private holdings and cooperatives farms. The cooperative farms include producers' cooperatives and other cooperatives like women's cooperatives, youth cooperatives, farmer's cooperatives etc.

All cooperatives existing in the selected 750 FAS/SAS were enumerated. Regarding the producers' cooperatives information was collected from all the 12 regions in the country and the required data were collected by interview method. However, nomadic areas were not covered.

In this publication results regarding other cooperatives are presented on tables 61,62,63 and 64.

IV. SAMPLE DESIGN

For the year 1986/87(1979 E.C.) new sample of 750 FAS/SAS were selected from the 12 regions in the country with probability proportional to size without replacement. From within each selected FA/SA, a simple random sample of 25 Agricultural Households from a fresh list of Agricultural households was selected with out replacement. All holders belonging to the selected Agricultural households were enumerated and the required data were collected through them.

Information relating to each crop grown by them was ascertained by enquiry. All cropped fields belonging to them were physically measured for crop-cutting, all cropped fields for each holder were classified by crop. From each class a field was randomly selected and one out of the crop in that field was harvested.

TABLE - 1

ESTIMATES OF AREA UNDER MAJOR CROPS IN ETHIOPIA\*  
IN 1986/87 (1979 E.C.)

THOUSAND HECTARES

1986/87 (1979)

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	4252.64	178.30	143.55	4574.49	211.82	4786.31
Teff	1212.30	39.74	0.55	1252.59	19.89	1272.48 ✓
Barley	745.29	37.02	11.42	793.73	104.26	897.99 ✓
Wheat	526.49	49.30	63.15	638.94	22.92	661.86 ✓
Maize	887.24	26.59	61.49	975.32	37.30	1012.62 ✓
Sorghum	714.91	23.18	6.94	745.03	17.62	762.65 ✓
Millet	135.76	1.86	-	137.62	-	137.62 ✓
Oats	30.65	0.61	-	31.26	9.83	41.09
PULSES	508.58	33.63	3.27	585.48	17.05	602.53
Horse beans	245.27	11.48	-	256.75	3.11	259.86 ✓
Chick peas	96.29	7.62	-	93.91	1.41	95.32 ✓
Haricot beans	40.67	1.30	1.98	43.95	8.66	52.61 ✓
Field peas	96.35	6.70	-	103.05	3.03	106.08 ✓
Lentils	43.07	2.64	-	45.71	0.77	46.48 ✓
Vetch	36.93	3.88	-	40.81	0.07	40.88
Soya beans	-	0.01	1.29	1.30	-	1.30
OTHERS	194.34	13.39	3.89	211.62	0.72	212.34
Neug	124.11	8.21	-	132.32	-	132.32 ✓
Linseed	60.94	4.17	-	65.11	0.64	65.75 ✓
Fenugreek	6.84	0.46	-	7.30	0.08	7.38
Rapeseed	2.45	0.46	2.39	5.30	-	5.30
Sunflower	-	-	0.82	0.82	-	0.82
Ground nuts	-	0.001	0.60	0.60	-	0.60
Sesame	-	0.09	0.08	0.17	-	0.17 ✓
TOTAL	4995.56	225.32	150.71	5371.59	229.59	5601.18

\* Excluding Eritrea and Tigray

TABLE - 2

ESTIMATES OF PRODUCTION OF MAJOR CROPS IN ETHIOPIA\*  
IN 1986/87 (1979 E.C.)

THOUSAND QUINTEALS

CROP	MAIN SEASON				Belg Season 1985/86	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	49302.44	2034.59	3255.40	54592.43	1771.86	56364.29
Teff	9770.63	357.90	2.70	10131.23	201.01	✓ 10332.24
Barley	8337.56	425.88	199.40	8962.84	969.34	✓ 9932.18
Wheat	5852.24	531.30	1291.30	7674.84	78.36	✓ 7753.20
Maize	14668.06	440.80	1706.00	16814.86	338.77	✓ 17153.63
Sorghum	9222.54	258.22	56.00	9536.76	94.94	✓ 9631.70
Millet	1181.60	16.21	-	1197.81	-	✓ 1197.81
Oats	269.81	4.28	-	274.09	89.44	363.53
PULSES	5081.44	243.57	17.90	5342.91	64.86	5407.77
Horse beans	2832.01	94.28	-	2926.29	8.40	✓ 2934.69
Chick peas	670.39	50.29	-	720.68	1.18	✓ 721.86
Haricot beans	278.81	6.81	11.70	297.32	35.27	✓ 332.59
Field peas	778.23	47.19	-	825.42	9.24	✓ 834.66
Lentils	245.41	13.25	-	258.66	10.22	✓ 268.88
Vetch	276.59	31.72	-	308.31	0.55	308.86
Soya beans	-	0.03	6.20	6.23	-	6.23
OTHERS	755.83	50.92	36.45	843.20	1.71	844.91
Neug	427.28	27.97	-	455.25	-	✓ 455.25
Linseed	291.36	18.46	-	309.82	1.39	✓ 311.21
Fenugreek	21.95	1.99	-	23.94	0.32	24.26
Rapeseed	15.24	2.45	23.30	40.99	-	40.99
Sunflower	-	-	6.45	6.45	-	6.45
Ground nuts	-	0.01	6.40	6.41	-	6.41
Sesame	-	0.04	0.30	0.34	-	✓ 0.34
TOTAL	55139.71	2329.08	3309.75	60778.54	1838.43	62616.97

\* Excluding Eritrea and Tigray

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## ESTIMATES OF YIELD OF MAJOR CROPS IN ETHIOPIA \*

IN 1986/87 (1979 E.C.)

QUINTALS/HECTARE

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	11.59	11.41	22.68	11.93	8.36	11.78
Teff	8.06	9.01	4.91	8.09	10.11	8.12
Barley	11.19	11.50	17.46	11.29	9.30	11.06
Wheat	11.12	10.78	20.45	12.01	3.42	11.71
Maize	16.53	16.58	27.74	17.24	9.08	16.94
Sorghum	12.90	11.14	8.07	12.80	5.39	12.63
Millet	8.70	8.72	-	8.70	-	8.70
Oats	8.80	7.02	-	8.77	9.10	8.85
PULSES	9.26	7.24	5.47	9.13	3.80	8.98
Horse beans	11.55	8.21	-	11.40	2.70	11.29
Chick peas	7.77	6.60	-	7.67	0.84	7.57
Haricot beans	6.86	5.24	5.91	6.76	4.07	6.32
Field peas	6.08	7.04	-	8.01	3.05	7.87
Lentils	5.70	5.02	-	5.66	13.27	5.78
Vetch	7.49	8.18	-	7.55	7.86	7.56
Soya beans	-	3.00	4.81	4.79	-	4.79
OTHERS	3.89	3.80	9.37	3.98	2.38	3.98
Neug	3.44	3.41	-	3.44	-	3.44
Linseed	4.78	4.43	-	4.76	2.17	4.73
Fenugreek	3.21	4.33	-	3.28	4.00	3.29
Rapeseed	6.22	5.33	9.75	7.73	-	7.73
Sunflower	-	-	7.97	7.87	-	7.87
Ground nuts	-	10.00	10.67	10.68	-	10.68
Sesame	-	0.44	3.75	2.00	-	2.00
TOTAL	11.04	10.34	21.96	11.31	8.01	11.18

\* Excluding Eritrea and Tigray

\* AMOUNTS IN THOUSAND HECTARES ONLY TO 2 DECIMALS

ESTIMATES OF AREA UNDER MAJOR CROPS IN ARSSI REGION  
IN 1986/87 (1979 E.C.)

THOUSAND HECTARES

CROP	MAIN SEASON				Pelt Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	300.69	53.03	30.75	384.47	36.31	420.78
Teff	26.81	1.32	-	28.13	0.44	28.57
Barley	117.24	22.36	5.52	145.12	28.37	173.49
Wheat	101.99	26.25	24.99	153.23	2.14	155.37
Maize	29.58	2.34	0.24	32.16	2.97	35.13
Sorghum	19.99	0.75	-	20.74	0.61	21.35
Millet	0.02	-	-	0.02	-	0.02
Oats	5.06	0.01	-	5.07	1.78	6.85
PULSES	35.20	7.39	0.11	42.70	0.64	43.34
Horse beans	16.42	3.40	-	19.82	0.32	20.14
Chick peas	1.51	0.24	-	1.75	-	1.75
Haricot beans	5.25	0.12	0.11	5.48	0.002	5.482
Field peas	6.22	3.44	-	9.66	0.32	9.98
Lentils	4.15	0.12	-	4.27	-	4.27
Vetch	1.65	0.07	-	1.72	-	1.72
Soya beans	-	-	-	-	-	-
OTHERS	18.93	2.61	1.02	22.36	-	22.36
Neug	1.69	0.12	-	1.81	-	1.81
Linseed	15.72	1.98	-	17.70	-	17.70
Fenugreek	0.94	0.004	-	0.944	-	0.944
Rapeseed	0.58	0.31	1.02	1.91	-	1.91
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	354.82	62.83	31.88	449.53	36.95	486.48

TABLE - 5

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ESTIMATES OF PRODUCTION OF MAJOR CROPS IN ARESI REGION  
IN 1986/87 (1979 E.C.)

THOUSAND QUINTALS

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	4260.48	696.28	543.08	5599.84	70.04	5669.88
Teff	240.70	11.03	-	251.73	5.05	256.78
Barley	1691.70	296.49	90.00	2078.19	57.08	2135.27
Wheat	1434.06	335.95	543.40	2313.41	2.17	2315.58
Maize	511.60	41.69	9.68	562.97	1.63	564.60
Sorghum	333.57	11.04	-	344.61	3.89	348.50
Millet	0.00	-	-	0.00	-	0.00
Oats	48.85	0.08	-	48.93	0.22	49.15
PULSES	317.37	51.24	0.80	369.41	9.16	378.57
Horse beans	186.21	26.31	-	212.52	7.56	222.08
Chick peas	7.58	0.76	-	8.34	-	8.34
Haricot beans	57.67	1.04	0.80	59.51	0.01	59.52
Field peas	36.21	22.49	-	58.70	1.59	60.29
Lentils	16.11	0.30	-	16.41	-	16.41
Vetch	11.59	0.34	-	11.93	-	11.93
Soya beans	-	-	-	-	-	-
OTHERS	100.31	10.21	9.50	120.02	-	120.02
Neug	6.74	0.40	-	7.14	-	7.14
Linseed	87.83	8.13	-	95.96	-	95.96
Fenugreek	1.91	0.044	-	1.954	-	1.954
Rapeseed	3.83	1.64	9.5	14.97	-	14.97
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	4678.16	757.73	653.38	6089.27	79.20	6168.47

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ESTIMATES OF YIELD OF MAJOR CROPS IN ARSSI REGION  
IN 1986/87(1979 E.C.)

QUINTALS/HECTAR

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	14.17	13.13	20.91	14.57	1.93	13.47
Teff	8.98	8.36	-	8.95	11.48	8.99
Barley	14.43	13.26	16.30	14.32	2.01	12.31
Wheat	14.06	12.80	21.74	15.10	1.01	14.90
Maize	17.30	17.32	40.33	17.51	0.55	16.07
Sorghum	16.69	14.72	-	16.62	6.38	16.32
Millet	0.00	-	-	0.00	-	0.00
Oats	9.65	0.00	-	9.65	0.12	7.18
PULSES	9.02	6.93	7.27	8.65	14.31	8.73
Horse beans	11.46	7.74	-	10.82	23.63	11.03
Chick peas	5.02	3.17	-	4.77	-	4.77
Haricot beans	10.98	8.67	7.27	10.86	5.00	10.86
Field peas	5.82	6.54	-	6.08	4.97	6.04
Lentils	3.88	2.50	-	3.84	-	3.84
Vetch	7.02	4.86	-	6.94	-	6.94
Soya beans	-	-	-	-	-	-
OTHERS	5.30	4.24	9.31	5.37	-	5.37
Neug	3.99	3.33	-	3.94	-	3.94
Linseed	5.59	4.11	-	5.42	-	5.42
Fenugreek	2.03	11.00	-	2.07	-	2.07
Rapeseed	6.60	5.29	9.31	7.84	-	7.84
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	13.18	12.06	20.49	13.55	2.14	12.68

TABLE - 7

ESTIMATES OF AREA, PRODUCTION AND YIELD OF  
MAJOR CROPS IN ANSEI REGION AREA GUGU AMPALJA  
IN 1936/37 (1979 E.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTEALS	YIELD QUINTEALS/HECTARE
CEREALS	47.21	730.42	15.47
Teff	5.49	58.84	10.72
Barley	6.89	86.75	12.59
Wheat	13.26	216.48	16.33
Maize	8.96	149.54	16.69
Sorghum	10.54	196.48	18.64
Millet	-	-	-
Oats	2.07	22.33	10.79
PULSES	7.51	75.87	10.10
Horse beans	4.64	53.71	11.58
Chick peas	0.21	0.20	0.95
Haricot beans	0.64	6.46	10.09
Field peas	1.49	12.43	8.34
Lentils	0.52	3.07	5.90
Vetch	0.01	-	-
Soya beans	-	-	-
OTHERS	2.35	13.90	5.91
Neug	-	-	-
Linseed	2.11	12.20	5.78
Fenugreek	0.03	-	-
Rape seed	0.21	1.70	8.10
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	57.07	620.19	14.37

ESTIMATES OF AREA, PRODUCTION AND YIELD OF  
MAJOR CROPS IN ARSSI REGION CHILALO MURAJA  
IN 1986/87 (1979 E.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
<b>CEREALS</b>	209.32	2964.88	14.16
Teff	17.06	139.44	8.17
Barley	104.60	1540.77	14.73
Wheat	60.69	849.07	13.99
Maize	18.28	314.92	17.23
Sorghum	7.17	106.18	14.81
Millet	-	-	-
Oats	1.52	14.50	9.54
<b>PULSES</b>	21.41	184.22	8.60
Horse beans	7.43	89.16	12.00
Chick peas	1.30	7.38	5.68
Haricot beans	4.54	50.87	11.20
Field peas	4.06	19.89	4.90
Lentils	3.54	12.89	3.64
Vetch	0.54	4.03	7.46
Soya beans	-	-	-
<b>OTHERS</b>	8.48	44.95	5.30
Neug	-	-	-
Linseed	8.15	43.35	5.32
Fenugreek	0.01	-	-
Rapeseed	0.32	1.60	5.00
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
<b>TOTAL</b>	239.21	3194.05	13.35

TABLE -9

ESTIMATES OF AREA, PRODUCTION AND YIELD OF  
MAJOR CROPS IN ARSSI REGION TICHO AWRAJA  
IN 1986/87 (1979 E.C.)

FOR PRIVATE HOLDINGS (RAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	44.16	565.18	12.80
Teff	4.26	42.42	9.96
Barley	5.75	64.13	11.16
Wheat	28.04	368.51	13.14
Maize	2.34	47.14	20.15
Sorghum	2.28	30.91	13.56
Millet	0.02	-	-
Oats	1.47	12.02	8.18
PULSES	6.26	57.26	9.12
Horse beans	4.35	45.34	10.42
Chick peas	-	-	-
Haricot beans	0.07	0.34	4.86
Field peas	0.67	3.89	5.81
Lentils	0.09	0.15	1.67
Vetch	1.10	7.56	6.87
Soya beans	-	-	-
OTHERS	8.10	41.46	5.12
Neug	1.69	6.74	3.99
Linseed	5.46	32.23	5.91
Fenugreek	0.90	1.91	2.12
Rapeseed	0.05	0.53	10.60
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	58.54	663.92	11.34

ESTIMATES OF AREA UNDER MAJOR CROPS IN BALE REGION  
IN 1986/87 (1979 E.C.)

THOUSAND HECTARES

CROP	MAIN SEASON				Belc Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	52.31	5.78	43.31	101.40	29.44	130.84
Teff	6.19	0.07	-	6.26	6.62	12.88
Barley	24.39	2.12	5.90	32.41	12.97	45.38
Wheat	13.84	3.07	37.41	54.32	5.93	60.25
Maize	2.29	0.25	-	2.54	1.16	3.70
Sorghum	1.17	0.02	-	1.19	0.03	1.22
Millet	-	-	-	-	-	-
Oats	4.43	0.25	-	4.68	2.73	7.41
PULSES	5.41	0.63	-	6.04	2.20	8.24
Horse beans	1.03	0.06	-	1.09	0.03	1.12
Chick peas	0.19	0.01	-	0.20	-	0.20
Haricot beans	0.22	0.004	-	0.224	0.17	0.394
Field peas	3.26	0.52	-	3.78	1.72	5.50
Lentils	0.71	0.03	-	0.74	0.28	1.02
Vetch	0.00	-	-	0.00	-	0.00
Soya beans	-	0.001	-	0.001	-	0.001
OTHERS	3.57	1.37	1.37	6.31	0.25	6.56
Neug	0.13	0.002	-	0.132	-	0.132
Linseed	3.25	1.36	-	4.61	0.18	4.79
Fenugreek	0.19	0.01	-	0.20	0.07	0.27
Rapeseed	-	-	1.37	1.37	-	1.37
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	61.29	7.78	44.68	113.75	31.99	145.64

BLE - 11

ESTIMATES OF PRODUCTION OF MAJOR CROPS IN BALE REGION  
IN 1986/87 (1979 E.C.)

THOUSAND QUINIALS

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
<b>CEREALS</b>	539.25	48.27	847.30	1434.82	97.70	1532.52
Teff	15.92	0.23	-	16.15	8.11	24.26
Barley	296.55	16.78	109.40	422.73	40.37	463.10
Wheat	147.96	25.44	737.90	911.30	16.95	928.25
Maize	38.81	4.73	-	43.54	12.69	56.23
Sorghum	5.30	0.08	-	5.38	0.19	5.57
Millet	-	-	-	-	-	-
Oats	34.71	1.01	-	35.72	19.39	55.11
<b>ULSES</b>	39.01	3.05	-	42.06	2.24	44.30
Horse beans	11.47	0.37	-	11.84	0.36	12.20
Chick peas	1.44	0.03	-	1.47	-	1.47
Haricot beans	0.00	0.02	-	0.02	1.01	1.03
Field peas	23.02	2.54	-	25.56	0.85	26.41
Lentils	3.08	0.09	-	3.17	0.02	3.19
Vetch	0.00	-	-	0.00	-	0.00
Soya beans	-	0.003	-	0.003	-	0.003
<b>OTHERS</b>	19.95	6.87	13.80	40.62	0.37	40.99
Neug	0.36	0.01	-	0.39	-	0.39
Linseed	19.18	6.85	-	26.03	0.11	26.14
Fenugreek	0.39	0.01	-	0.40	0.26	0.66
Rapeseed	-	-	13.80	13.80	-	13.80
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
<b>TOTAL</b>	<b>598.21</b>	<b>58.19</b>	<b>861.10</b>	<b>1517.50</b>	<b>100.31</b>	<b>1617.81</b>

TABLE - 12 ESTIMATES OF YIELD OF MAJOR CROPS IN BALE REGION  
IN 1986/87 (1979 E.C.)

QUINTALS/HECT

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	10.31	8.35	19.56	14.15	3.32	11.71
Teff	2.57	3.29	-	2.58	1.23	1.88
Barley	12.16	7.92	18.54	13.00	3.11	10.20
Wheat	10.69	8.29	19.72	16.78	2.86	15.41
Maize	16.95	18.92	-	17.14	10.94	15.20
Sorghum	4.53	4.00	-	4.52	6.33	4.57
Millet	-	-	-	-	-	-
Oats	7.84	4.04	-	7.63	7.10	7.44
PULSES	7.21	4.84	-	6.96	1.02	5.38
Horse beans	11.14	6.17	-	10.86	12.00	10.89
Chick peas	7.58	3.00	-	7.35	-	7.35
Haricot beans	0.00	5.00	-	0.09	5.94	2.61
Field peas	7.06	4.88	-	6.76	0.49	4.80
Lentils	4.34	3.00	-	4.28	0.07	3.13
Vetch	0.00	-	-	0.00	-	0.00
Soya beans	-	3.00	-	3.00	-	3.00
OTHERS	5.59	5.01	10.07	6.44	1.48	6.25
Neug	2.92	5.00	-	2.95	-	2.95
Linseed	5.90	5.04	-	5.65	0.61	5.46
Fenugreek	2.05	1.00	-	2.00	3.71	2.44
Rapeseed	-	-	10.07	10.07	-	10.07
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	9.76	7.43	19.27	13.34	3.15	11.11

ESTIMATES OF AREA UNDER MAJOR CROPS IN GAMBOFFA REGION  
IN 1986/87 (1979 E.C.)

THOUSAND HECTARES

CROP	MAIN SEASON				Below Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
EREALS	75.06	0.89	-	75.95	30.07	106.02
Teff	16.07	0.06	-	16.13	0.24	16.37
Barley	13.24	-	-	13.24	2.89	16.13
Wheat	4.82	-	-	4.82	8.41	13.23
Maize	6.69	0.81	-	7.50	5.54	13.04
Sorghum	34.20	0.02	-	34.22	12.99	47.21
Millet	-	-	-	-	-	-
Oats	0.04	-	-	0.04	-	0.04
PULSES	6.71	0.02	-	6.73	5.24	11.97
Horse beans	2.47	-	-	2.47	2.73	5.20
Chick peas	1.30	0.001	-	1.301	0.59	1.891
Haricot beans	0.66	0.02	-	0.68	1.69	2.37
Field peas	2.25	-	-	2.25	0.18	2.43
Lentils	0.03	-	-	0.03	0.05	0.08
Vetch	-	-	-	-	-	-
Soya beans	-	0.002	-	0.002	-	0.002
OTHERS	0.01	0.002	-	0.01	-	0.011
Neug	-	-	-	-	-	-
Linseed	0.01	0.001	-	0.011	-	0.011
Fenugreek	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	0.001	-	0.001	-	0.001
Sesame	-	-	-	-	-	-
TOTAL	81.78	0.91	-	82.69	35.31	118.00

TABLE - 14

ESTIMATES OF PRODUCTION OF MAJOR CROPS IN GAMMOGOFFA REGION  
IN 1966/67 (1979 E.C.)

THOUSAND QUINTALS

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	544.17	17.75	-	561.92	161.71	723.63
Teff	88.67	0.32	-	88.99	1.79	90.78
Barley	174.87	-	-	174.87	4.51	179.38
Wheat	52.32	-	-	52.32	0.15	52.47
Maize	18.15	17.22	-	35.37	122.51	157.88
Sorghum	210.02	0.21	-	210.23	32.75	242.98
Millet	-	-	-	-	-	-
Oats	0.14	-	-	0.14	-	0.14
PULSES	53.25	0.11	-	53.36	0.90	54.26
Horse beans	29.38	-	-	29.38	0.11	29.49
Chick peas	2.45	0.00	-	2.45	0.01	2.46
Haricot beans	3.07	0.10	-	3.17	0.04	3.21
Field peas	17.90	-	-	17.90	0.07	17.97
Lentils	0.45	-	-	0.45	0.67	1.12
Vetch	-	-	-	-	-	-
Soya beans	-	0.01	-	0.01	-	0.01
OTHERS	0.14	0.01	-	0.15	-	0.15
Neug	-	-	-	-	-	-
Linseed	0.14	0.003	-	0.143	-	0.143
Fenugreek	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	0.01	-	0.01	-	0.01
Sesame	-	-	-	-	-	-
TOTAL	597.56	17.87	-	615.43	162.61	778.04

TABLE - 15

ESTIMATES OF YIELD OF MAJOR CROPS IN GAMBOOFA REGION  
IN 1986/87 (1979 E.C.)

QUINTALS/HECTARES

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	7.25	19.94	-	7.40	5.38	6.83
Teff	5.52	5.33	-	5.52	7.46	5.55
Barley	13.21	-	-	13.21	1.56	11.12
Wheat	10.85	-	-	10.85	0.02	3.97
Maize	2.71	21.26	-	4.72	22.11	12.11
Sorghum	6.14	10.50	-	6.14	2.52	5.15
Millet	-	-	-	-	-	-
Oats	3.50	-	-	3.50	-	3.50
PULSES	7.94	5.50	-	7.93	0.17	4.53
Horse beans	11.89	-	-	11.89	0.04	5.67
Chick peas	1.88	0.00	-	1.88	0.02	1.30
Haricot beans	4.65	5.00	-	4.66	0.02	1.35
Field peas	7.96	-	-	7.96	0.39	7.40
Lentils	15.00	-	-	15.00	13.40	14.00
Vetch	-	-	-	-	-	-
Soya beans	-	5.00	-	5.00	-	5.00
OTHERS	14.00	5.00	-	15.00	-	15.00
Neug	-	-	-	-	-	-
Linseed	14.00	3.00	-	13.00	-	13.00
Fenugreek	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	10.00	-	10.00	-	10.00
Sesame	-	-	-	-	-	-
TOTAL	7.31	19.64	-	7.44	4.61	6.59

TABLE - 16

ESTIMATES OF AREA UNDER MAJOR CROPS IN GOJAM REGION  
IN 1986/87 (1979 E.C.)

THOUSAND HECTARES

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	693.42	40.51	14.20	748.13	-	748.13
Teff	310.29	21.30	0.01	332.00	-	332.00
Barley	150.78	4.81	-	155.59	-	155.59
Wheat	64.50	8.92	0.46	73.88	-	73.88
Maize	74.47	3.79	11.38	89.64	-	89.64
Sorghum	24.92	0.47	1.95	27.34	-	27.34
Millet	68.02	1.20	-	69.22	-	69.22
Oats	0.44	0.02	-	0.46	-	0.46
PULSES	85.33	11.63	0.44	97.40	-	97.40
Horse beans	41.73	2.77	-	44.50	-	44.50
Chick peas	16.79	4.09	-	20.88	-	20.88
Haricot beans	0.74	-	0.15	0.89	-	0.89
Field peas	12.93	0.77	-	13.70	-	13.70
Lentils	2.76	1.30	-	4.06	-	4.06
Vetch	10.30	2.70	-	13.08	-	13.08
Soya beans	-	-	0.29	0.29	-	0.29
OTHERS	60.22	5.76	0.50	66.54	-	66.54
Neug	41.81	5.67	-	47.48	-	47.48
Linseed	16.36	0.03	-	16.39	-	16.39
Fenugreek	1.12	0.06	-	1.18	-	1.18
Rapeseed	0.99	-	-	0.99	-	0.99
Sunflower	-	-	0.01	0.01	-	0.01
Ground nuts	-	-	0.49	0.49	-	0.49
Sesame	-	-	-	-	-	-
TOTAL	839.03	57.90	15.14	912.07	-	912.07

TABLE - 17

ESTIMATES OF PRODUCTION OF MAJOR CROPS IN OAU/M REGION  
IN 1986/87(1979 E.C.)

THOUSAND QUINTEALS

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	6868.47	480.75	405.51	7754.73	-	7754.73
Teff	2606.61	237.32	1.60	2845.53	-	2845.53
Barley	1480.63	46.64	-	1527.27	-	1527.27
Wheat	705.72	90.63	4.90	801.25	-	801.25
Maize	1160.45	89.00	377.50	1626.95	-	1626.95
Sorghum	266.02	5.55	21.51	293.08	-	293.08
Millet	646.00	11.08	-	657.08	-	657.08
Oats	3.04	0.53	-	3.57	-	3.57
PULSES	922.53	97.96	2.20	1022.69	-	1022.69
Horse beans	509.00	23.12	-	532.12	-	532.12
Chick peas	165.19	33.033	-	198.223	-	198.223
Haricot beans	5.45	-	1.20	6.65	-	6.65
Field peas	112.23	8.70	-	120.93	-	120.93
Lentils	20.41	7.23	-	27.64	-	27.64
Vetch	110.25	25.38	-	136.13	-	136.13
Soya beans	-	-	1.00	1.00	-	1.00
OTHERS	224.67	21.36	5.65	252.10	-	252.10
Neur	139.39	21.49	-	160.88	-	160.88
Linseed	68.24	0.142	-	68.382	-	68.382
Fenugreek	8.13	0.23	-	8.36	-	8.36
Rapeseed	8.91	-	-	8.91	-	8.91
Sunflower	-	-	0.05	0.05	-	0.05
Ground nuts	-	-	5.60	5.60	-	5.60
Sesame	-	-	-	-	-	-
TOTAL	8015.67	600.57	413.36	9029.60	-	9029.60

TABLE - 18

ESTIMATES OF YIELD OF MAJOR CROPS IN GOJAM REGION  
IN 1986/87 (1979 E.C.)

QUINTALS/HECTARE

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	9.91	11.87	28.56	10.37	-	10.37
Teff	8.40	11.14	3.90	8.57	-	8.57
Barley	9.82	9.70	-	9.82	-	9.82
Wheat	10.94	10.16	10.16	10.85	-	10.85
Maize	15.58	23.48	33.17	18.15	-	18.15
Sorghum	10.68	11.81	11.03	10.72	-	10.72
Millet	9.50	9.23	-	9.49	-	9.49
Oats	6.91	26.50	-	7.76	-	7.76
PULSES	10.81	8.42	5.00	10.50	-	10.50
Horse beant	12.20	9.35	-	11.96	-	11.96
Chick peas	9.84	8.08	-	9.49	-	9.49
Haricot beans	7.36	-	8.00	7.47	-	7.47
Field peas	8.68	11.30	-	8.83	-	8.83
Lentils	7.39	5.56	-	6.81	-	6.81
Vetch	10.62	9.59	-	10.41	-	10.41
Soya beans	-	-	3.45	3.45	-	3.45
OTHERS	3.73	3.80	11.30	3.79	-	3.79
Neug	3.33	3.79	-	3.79	-	3.79
Linseed	4.17	4.73	-	4.17	-	4.17
Fenugreek	7.26	3.83	-	7.08	-	7.08
Rapeseed	9.00	-	-	9.00	-	9.00
Sunflower	-	-	5.00	5.00	-	5.00
Ground nuts	-	-	11.43	11.43	-	11.43
Sesame	-	-	-	-	-	-
TOTAL	9.55	10.37	27.30	9.90	-	9.90

TABLE - 19

ESTIMATES OF AREA, PRODUCTION & YIELD OF  
MAJOR CROPS IN GOJJAM REGION AGEKAMDIR AWRAJA  
IN 1986/87 (1979 E.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	57.39	484.32	8.44
Teff	31.29	202.73	6.48
Barley	10.12	92.69	9.16
Wheat	1.10	12.15	11.05
Maize	7.37	115.59	15.82
Sorghum	0.00	0.00	0.00
Millet	7.32	59.15	8.08
Oats	0.19	1.01	5.32
PULSES	2.46	22.95	8.96
Horse beans	1.50	15.72	10.48
Chick peas	0.23	0.95	4.13
Haricot beans	0.09	1.09	12.11
Field peas	0.64	4.29	6.70
Lentils	0.00	0.00	0.00
Vetch	0.00	0.00	0.00
Soya beans	-	-	-
OTHERS	3.70	13.38	3.62
Neug	3.18	10.74	3.38
Linseed	0.37	2.11	5.70
Fenugreek	0.00	0.00	0.00
Rape seed	0.15	0.53	3.53
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	63.55	519.75	8.18

TABLE - 20

ESTIMATES OF AREA, PRODUCTION & YIELD OF  
MAJOR CROPS IN GOJJAM REGION BAHRDAR AWRAJA  
IN 1986/87 (1979 E.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	138.46	1168.22	8.44
Teff	58.83	384.81	6.54
Barley	22.05	178.73	8.11
Wheat	0.52	2.28	4.38
Maize	18.61	260.20	13.98
Sorghum	5.06	42.35	8.37
Millet	33.39	299.85	8.98
Oats	0.00	0.00	0.00
PULSES	15.82	140.80	8.90
Horse beans	3.70	43.19	11.67
Chick peas	4.37	35.00	8.01
Haricot beans	0.00	0.00	0.00
Field peas	5.12	39.48	7.71
Lentils	0.16	0.40	2.50
Vetch	2.47	22.73	9.20
Soya beans	-	-	-
OTHERS	18.26	51.15	2.80
Neug	13.03	32.00	2.46
Linseed	5.20	19.15	3.63
Fenugreek	0.03	0.00	0.00
Rapeseed	0.00	0.00	0.00
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	172.54	1360.17	7.88

TABLE - 21

ESTIMATES OF AREA, PRODUCTION & YIELD OF  
MAJOR CROPS IN GOJJAM REGION BICHENA AWRAJA  
IN 1986/87 (1979 B.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	62.13	669.59	10.78
Teff	28.34	276.99	9.77
Barley	10.21	124.26	12.17
Wheat	19.70	212.81	10.80
Maize	1.81	27.71	15.31
Sorghum	2.07	27.79	13.43
Millet	0.00	0.00	0.00
Oats	0.00	0.00	0.00
PULSES	19.79	219.46	11.09
Horse beans	6.27	77.00	12.28
Chick peas	5.76	63.91	11.10
Haricot beans	0.00	0.00	0.00
Field peas	1.15	12.74	11.08
Lentils	2.27	16.65	7.33
Vetch	4.34	49.16	11.33
Soya beans	-	-	-
OTHERS	3.68	20.68	5.62
Neug	2.59	13.00	5.02
Linseed	0.08	0.27	3.38
Fenugreek	0.92	6.93	7.53
Rapeseed	0.09	0.48	5.33
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	85.60	909.73	10.63

TABLE - 22

ESTIMATES OF AREA, PRODUCTION & YIELD OF  
MAJOR CROPS IN GOJJAM REGION DEBREMAROS AWRAJA  
IN 1986/87 (1979 E.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	167.67	1621.00	9.67
Teff	75.47	637.92	8.45
Barley	49.04	488.83	9.97
Wheat	21.82	212.75	9.75
Maize	14.22	203.36	14.30
Sorghum	6.30	72.31	11.48
Millet	0.82	5.81	7.09
Oats	0.00	0.02	0.00
PULSES	15.76	153.18	9.72
Horse beans	11.76	120.16	10.22
Chick peas	0.00	0.00	0.00
Haricot beans	0.05	0.15	3.00
Field peas	3.37	27.87	8.27
Lentils	0.00	0.00	0.00
Vetch	0.58	5.00	8.62
Soya beans	-	-	-
OTHERS	18.79	77.03	4.10
Neug	10.13	37.53	3.70
Linseed	8.26	34.87	4.22
Fenugreek	0.00	0.00	0.00
Rapeseed	0.40	4.63	11.58
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	202.22	1851.21	9.15

TABLE - 23

ESTIMATES OF AREA, PRODUCTION & YIELD OF  
MAJOR CROPS IN GOJJAM REGION KOLADEGA DAMOT AWRAJA  
IN 1986/87 (1979 E.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	146.05	1652.19	11.31
Teff	64.74	622.65	9.62
Barley	38.29	370.46	9.68
Wheat	7.74	92.71	11.98
Maize	22.39	397.03	17.73
Sorghum	0.00	0.00	0.00
Millet	12.66	167.52	13.23
Oats	0.23	1.82	7.91
PULSES	16.34	196.82	12.05
Horse beans	7.92	110.72	13.98
Chick peas	5.69	57.49	10.10
Haricot beans	0.00	0.00	0.00
Field peas	1.37	15.02	10.96
Lentils	0.00	0.00	0.00
Vetch	1.36	13.59	9.99
Soya beans	-	-	-
OTHERS	9.30	35.42	3.81
Neug	8.01	29.95	3.74
Linseed	1.07	3.81	3.56
Fenugreek	0.00	0.00	0.00
Rapeseed	0.22	1.66	7.55
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	171.69	1824.43	10.96

TABLE - 24

ESTIMATES OF AREA, PRODUCTION & YIELD OF  
MAJOR CROPS IN GOJJAM REGION METEKEL AWRAJA  
IN 1986/87 (1979 E.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 HECTARES	YIELD QUINTALS/HECTARE
CEREALS	57.93	520.51	8.98
Teff	22.82	142.04	6.22
Barley	1.19	10.02	8.42
Wheat	0.70	6.83	9.76
Maize	3.58	136.66	15.93
Sorghum	10.84	111.10	10.25
Millet	13.83	113.67	8.22
Oats	0.02	0.19	9.50
PULSES	2.10	17.37	8.27
Horse beans	1.19	11.36	9.55
Chick peas	0.15	0.44	2.93
Haricot beans	0.60	4.21	7.02
Field peas	0.10	0.44	4.40
Lentils	0.06	0.92	15.33
Vetch	0.00	0.00	0.00
Soya beans	-	-	-
OTHERS	2.54	5.10	2.01
Neug	2.44	4.99	2.05
Linseed	0.10	0.11	1.10
Fenugreek	0.00	0.00	0.00
Rapeseed	0.00	0.00	0.00
Sun flower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	62.62	542.93	8.67

TABLE - 25

ESTIMATES OF AREA, PRODUCTION & YIELD OF  
MAJOR CROPS IN GOJIM REGION MOTA AWRAJA  
IN 1986/87 (1979 B.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	63.74	752.64	11.81
Teff	28.80	339.47	11.79
Barley	19.88	215.64	10.85
Wheat	12.92	166.16	12.86
Maize	1.49	18.90	12.68
Sorghum	0.65	12.47	19.18
Millet	0.00	0.00	0.00
Oats	0.00	0.00	0.00
PULSES	13.06	172.85	13.24
Horse beans	9.39	130.85	13.94
Chick peas	0.59	7.40	12.54
Haricot beans	0.00	0.00	0.00
Field peas	1.18	12.39	10.50
Lentils	0.27	2.44	9.04
Vetch	1.63	19.77	12.13
Soya beans	-	-	-
OTHERS	4.01	21.91	5.46
Neug	2.43	11.13	4.60
Linseed	1.28	7.92	6.19
Fenugreek	0.17	1.20	7.06
Rapeseed	0.13	1.61	12.38
Sunflower	-	-	-
Ground nuts	-	-	-
Seasame	-	-	-
TOTAL	80.81	947.40	11.72

TABLE - 26

ESTIMATES OF AREA UNDER MAJOR CROPS IN GONDAR REGION  
IN 1986/87 (1979 F.C. )

THOUSAND HECTARES

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	409.25	4.83	3.39	417.47	.	417.47
Teff	137.78	1.80	-	139.58	-	139.58
Barley	115.12	1.44	-	116.56	-	116.56
Wheat	48.13	0.42	-	48.55	-	48.55
Maize	22.21	0.34	-	22.55	-	22.55
Sorghum	58.62	0.51	3.39	62.52	-	62.52
Millet	25.13	0.32	-	25.45	-	25.45
Oats	2.26	0.00	-	2.26	-	2.26
PULSES	96.19	1.67	-	97.86	-	97.86
Horse beans	38.70	0.67	-	39.37	-	39.37
Chick peas	25.45	0.54	-	25.99	-	25.99
Haricot beans	0.66	-	-	0.66	-	0.66
Field peas	12.78	0.09	-	12.87	-	12.87
Lentils	5.76	0.16	-	5.92	-	5.92
Vetch	12.84	0.21	-	13.05	-	13.05
Soya beans	-	0.003	-	0.003	-	0.003
OTHERS	38.63	0.88	-	39.51	-	39.51
Neug	24.17	0.67	-	24.84	-	24.84
Linseed	12.05	0.14	-	12.19	-	12.19
Fenugreek	1.83	0.07	-	1.90	-	1.90
Rapeseed	0.58	0.001	-	0.581	-	0.581
Sunflower	-	0.00	-	0.00	-	0.00
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	544.07	7.38	3.39	554.84	-	554.84

TABLE 27

ESTIMATES OF PRODUCTION OF MAJOR CROPS IN GONDAR REGION  
IN 1986/87 ( 1979.E.C.A )

THOUSAND QUINTALS

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
<b>CEREALS</b>	3070.52	42.77	13.59	3126.88	-	3126.88
Teff	874.57	17.61	-	892.18	-	892.18
Barley	999.38	11.26	-	1010.64	-	1010.64
Wheat	374.67	3.77	-	378.44	-	378.44
Maize	186.35	3.01	-	189.36	-	189.36
Sorghum	423.24	3.32	13.59	440.15	-	440.15
Millet	192.01	3.80	-	195.81	-	195.81
Oats	20.30	0.00	-	20.30	-	20.30
<b>PULSES</b>	783.32	14.80	-	798.12	-	798.12
Horse beans	429.01	6.36	-	435.37	-	435.37
Chick peas	144.25	4.32	-	148.57	-	148.57
Haricot beans	5.44	-	-	5.44	-	5.44
Field peas	89.36	0.52	-	89.88	-	89.88
Lentils	39.24	1.12	-	40.36	-	40.36
Vetch	76.02	2.47	-	78.49	-	78.49
Soya beans	-	0.01	-	0.01	-	0.01
<b>OTHERS</b>	116.73	3.15	-	119.88	-	119.88
Neug	77.63	2.22	-	79.85	-	79.85
Linseed	37.51	0.39	-	37.90	-	37.90
Fenugreek	1.59	0.54	-	2.13	-	2.13
Rapeseed	0.00	0.003	-	0.003	-	0.003
Sunflower	-	0.00	-	0.00	-	0.00
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
<b>TOTAL</b>	3970.57	60.72	13.59	4044.89	-	4044.89

TABLE - 28

ESTIMATES OF YIELD OF MAJOR CROPS IN GONDAR REGION  
IN 1986/87 (1979 E.C.)

QUINTALS/ HECTARES

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	7.50	6.86	4.01	7.49	-	7.49
Teff	6.35	9.78	-	6.39	-	6.39
Barley	8.66	7.82	-	8.67	-	8.67
Wheat	7.78	8.90	-	7.79	-	7.79
Maizw	8.39	8.85	4.01	8.40	-	8.40
Sorghum	7.22	6.51	-	7.04	-	7.04
Millet	7.64	11.88	-	7.69	-	7.69
Oats	8.98	0.00	-	8.98	-	8.98
PULSES	8.14	8.86	-	8.16	-	8.16
Horse beans	11.09	9.49	-	11.06	-	11.06
Chick peas	5.67	8.00	-	5.72	-	5.72
Haricot beans	8.24	-	-	8.24	-	8.24
Field peas	6.99	5.78	-	6.98	-	6.98
Lentils	6.81	7.00	-	6.82	-	6.82
Vetch	5.92	11.76	-	6.01	-	6.01
Soya beans	-	3.33	-	3.33	-	3.33
OTHERS	3.02	3.58	-	3.03	-	3.02
Neug	3.21	3.31	-	3.21	-	3.21
Linseed	3.11	2.79	-	3.11	-	3.11
Fenugreek	0.87	7.71	-	1.12	-	1.12
Rapeseed	0.00	3.00	-	0.01	-	0.01
Sunflower	-	0.00	-	0.00	-	0.00
Ground nuts	-	-	-	-	-	-
Sesame	-	-	9	-	-	-
TOTAL	7.30	8.23	4.01	7.29	-	7.29

TABLE - 25

ESTIMATES OF AREA UNDER MAJOR CROPS IN HARYANA REGION  
IN 1966/67 (1970 F.C. )

THOUSAND HECTARES

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	291.66	9.43	0.20	301.29	12.82	314.11
Teff	8.04	0.37	-	8.41	0.14	8.55
Barley	7.80	0.20	-	8.00	3.62	11.62
Wheat	11.23	0.69	0.20	12.81	0.44	13.25
Maize	115.16	3.66	-	118.82	7.99	127.81
Sorghum	144.93	3.51	-	148.44	0.35	148.79
Millet	0.50	-	-	0.50	-	0.50
Oats	3.30	0.01	-	3.31	0.28	3.59
PULSES	19.62	0.95	0.50	21.10	0.03	21.13
Horse beans	7.72	0.20	-	7.92	-	7.92
Chick peas	1.35	0.34	-	1.69	-	1.69
Haricot beans	3.96	0.11	0.50	4.57	0.00	4.57
Field peas	5.96	0.21	-	6.17	0.03	6.20
Lentils	0.63	0.02	-	0.65	-	0.65
Vetch	-	0.08	-	0.08	-	0.08
Soyabans	-	-	-	-	-	-
OTHERS	0.72	0.02	-	0.74	-	0.74
Neug	-	-	-	-	-	-
Linseed	0.30	0.002	-	0.302	-	0.302
Fenugreek	0.43	0.01	-	0.43	-	0.43
Papaseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	0.004	-	0.004	-	0.004
TOTAL	312.00	10.43	0.70	323.13	12.85	335.98

TABLE -- 30

ESTIMATES OF PRODUCTION OF MAJOR CROPS IN HARARGHE REGION  
IN 1986/87 (1979 E.C )

\* THOUSAND QUINTALS

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	4261.51	204.25	4.00	4469.76	72.33	4542.09
Teff	58.64	3.28	-	71.92	0.48	72.40
Barley	82.48	1.51	-	83.99	41.21	125.20
Wheat	138.70	8.54	4.00	151.24	12.83	164.07
Maize	1791.17	111.19	-	1902.36	15.29	1917.65
Sorghum	2148.04	79.66	-	2227.70	0.60	2228.30
Millet	6.60	-	-	6.60	-	6.60
Oats	25.88	0.07	-	25.95	1.92	27.87
PULSES	199.78	6.89	5.00	211.67	0.02	211.69
Horse beans	85.22	1.72	-	86.94	-	86.94
Chick peas	7.20	1.46	-	8.66	-	8.66
Haricot beans	50.86	1.95	5.00	57.81	0.00	57.81
Field peas	52.33	1.17	-	53.50	0.02	53.52
Lentils	4.17	0.10	-	4.27	-	4.27
Vetch	-	0.49	-	0.49	-	0.49
Soya beans	-	-	-	-	-	-
OTHERS	3.13	0.04	-	3.17	-	3.17
Neug	-	-	-	-	-	-
Linseed	2.46	0.01	-	2.47	-	2.47
Fenugreek	0.67	0.03	-	0.70	-	0.70
Fapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	0.004	-	0.004	-	0.004
TOTAL	4464.42	211.18	9.00	4684.60	72.35	4756.95

TABLE 31

ESTIMATES OF YIELD OF MAJOR CROPS IN HARARGHE REGION  
IN 1986/87 (1979 E.C.)

QUINTALS / HECTARE

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	14.61	21.66	20.00	14.34	5.64	14.46
Teff	8.54	8.86	-	8.55	3.43	8.47
Barley	10.57	7.55	-	10.50	11.38	10.77
Wheat	11.63	12.56	20.00	11.81	29.16	12.38
Maize	15.55	23.76	-	15.88	1.91	15.00
Sorghum	14.82	22.70	-	15.01	1.71	14.93
Millet	13.20	-	-	13.20	-	13.20
Cats	7.84	7.00	-	7.84	6.86	7.76
PULSES	10.18	7.03	10.00	10.03	0.67	10.02
Borse beans	11.04	8.60	-	10.98	-	10.98
Chick peas	5.33	4.29	-	5.12	-	5.12
Haricot beans	12.84	12.73	10.00	12.65	0.00	12.65
Field peas	8.78	5.57	-	8.67	0.67	8.63
Lentils	6.62	2.50	-	6.37	-	6.37
Vetch	-	6.13	-	6.13	-	6.13
Soya beans	-	-	-	-	-	-
OTHERS	4.35	2.00	-	4.28	-	4.28
Mustig	-	-	-	-	-	-
Linseed	8.20	5.00	-	8.18	-	8.18
Fenugreek	1.60	3.00	-	1.63	-	1.63
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	1.00	-	1.00	-	1.00
TOTAL	14.31	20.25	12.86	14.50	5.63	14.16

TABLE - 32

ESTIMATES OF AREA UNDER MAJOR CROPS IN ILLURAPOR REGION  
IN 1986/87 (1979 E.C.)

THOUSAND HECTARES

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	128.58	3.06	1.12	132.76	1.30	134.06
Teff	46.78	0.70	-	47.48	-	47.48
Barley	6.09	0.15	-	6.24	0.23	6.47
Wheat	2.60	0.04	-	2.72	-	2.72
Maize	48.83	1.66	0.83	51.32	1.07	52.39
Sorghum	20.82	0.50	0.29	21.61	-	21.61
Millet	3.38	0.01	-	3.39	-	3.39
Oats	-	-	-	-	-	-
PULSES	4.80 5.02	0.40	0.05	5.47	-	5.47
Horse beans	3.49	0.22	-	3.71	-	3.71
Chick peas	0.06	0.06	-	0.34	-	0.34
Haricot beans	0.29	0.02	-	0.31	-	0.31
Field peas	0.96	0.10	-	1.06	-	1.06
Lentils	-	0.001	-	0.001	-	0.001
Vetch	-	-	-	-	-	-
Soya beans	-	-	0.05	0.05	-	0.05
OTHERS	1.83	0.03	0.11	1.97	-	1.97
Neug	1.75	0.01	-	1.76	-	1.76
Linseed	0.00	0.01	-	0.01	-	0.01
Fenugreek	0.08	-	-	0.08	-	0.08
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	0.11	0.11	-	0.11
Sesame	-	0.01	-	0.01	-	0.01
TOTAL	135.43	3.49	1.28	140.20	1.30	141.50

TABLE - 33

ESTIMATES OF PRODUCTION OF MAJOR CROPS IN ILLUWABOR REGION  
IN 1986/87 (1979 E.C)

THOUSAND QUINTALS

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	1446.76	22.84	16.50	1486.10	21.00	1507.10
Teff	471.33	2.72	-	474.05	-	474.05
Barley	39.87	0.55	-	40.42	1.19	41.60
Wheat	21.21	0.28	-	21.49	-	21.49
Maize	567.16	15.58	11.30	594.04	19.82	613.86
Sorghum	309.44	3.63	5.20	318.27	-	318.27
Millet	37.75	0.08	-	37.83	-	37.83
Oats	-	-	-	-	-	-
PULSES	23.52	1.73	0.10	25.35	-	25.35
Horse beans	18.61	1.19	-	19.80	-	19.80
Chick peas	0.96	0.12	-	1.08	-	1.08
Hericot beans	0.62	0.15	-	0.77	-	0.77
Field peas	3.33	0.27	-	3.60	-	3.60
Lentils	-	0.002	-	0.002	-	0.002
Vetch	-	-	-	-	-	-
Soya beans	-	-	0.10	0.10	-	0.10
OTHERS	6.66	0.03	0.80	7.49	-	7.49
Neur	6.45	0.01	-	6.46	-	6.46
Linseed	0.00	0.01	-	0.01	-	0.01
Fenugreek	0.21	-	-	0.21	-	0.21
Papeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	0.80	0.80	-	0.80
Sesame	-	0.01	-	0.01	-	0.01
TOTAL	1476.94	24.60	17.40	1518.94	21.00	1539.94

TABLES - 34

ESTIMATES OF YIELD OF MAJOR CROPS IN ILLURABOR REGION  
IN 1986/87 (1979 B.C/)

QUINTEALS/ HECTARES

CROP	MAIN SEASON				Belg Season	Total Seasons
	Private Peasant Holdings	Co-operatives	State Farms	Total		
CEREALS	11.25	7.46	14.73	11.19	16.15	11.24
Teff	10.08	3.89	-	9.98	-	9.98
Barley	6.55	3.67	-	6.48	5.13	6.43
Wheat	7.91	7.00	-	7.90	-	7.90
Maize	11.62	9.39	13.61	11.58	18.52	11.72
Sorghum	14.86	7.26	17.93	14.73	-	14.73
Millet	11.17	8.00	-	11.16	-	11.16
Oats	-	-	-	-	-	-
PULSES	4.69	4.33	2.00	4.63	-	4.63
Horse beans	5.33	5.41	-	5.34	-	5.34
Chick peas	3.43	2.00	-	3.18	-	3.18
Haricot beans	2.14	7.50	-	2.48	-	2.48
Field peas	3.47	2.70	-	3.40	-	3.40
Lentils	-	2.00	-	2.00	-	2.00
Vetch	-	-	-	-	-	-
Soya beans	-	-	2.00	2.00	-	2.00
OTHERS	3.65	1.00	7.27	3.80	-	3.80
Neug	3.69	1.00	-	3.67	-	3.67
Linseed	0.00	1.00	-	1.00	-	1.00
Fenugreek	2.63	-	-	2.63	-	2.63
Repeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	7.27	7.27	-	7.27
Sesame	-	1.00	-	1.00	-	1.00
TOTAL	10.91	7.05	13.59	10.83	16.15	10.88

TABLE - 35

ESTIMATES OF AREA UNDER MAJOR CROPS IN KAFFA REGION  
IN 1986/87 (1979 E.C)

THOUSAND HECTARES

CROP	MAIN SEASON				Below Season	Total Seasons
	Private Peasant Holdings	Co-operatives	State Farms	Total		
CEREALS	291.71	4.00	0.58	296.29	2.25	298.54
Teff	91.16	0.85	-	91.95	1.19	93.13
Barley	25.67	0.08	-	25.75	0.39	26.14
Wheat	14.80	0.25	-	15.05	-	15.05
Maize	94.75	2.18	0.58	97.51	0.68	98.19
Sorghum	60.76	0.64	-	61.40	-	61.40
Millet	3.91	0.00	-	3.91	-	3.91
Oats	0.72	-	-	0.72	-	0.72
PULSES	41.64	0.63	-	42.27	0.00	42.27
Horse beans	26.41	0.24	-	26.65	-	26.65
Chick peas	0.97	0.00	-	0.97	0.00	0.97
Haricot beans	0.89	0.25	-	1.14	-	1.14
Field peas	13.02	0.14	-	13.16	-	13.16
Lentils	0.35	0.00	-	0.35	-	0.35
Vetch	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
OTHERS	2.56	0.00	-	2.56	-	2.56
Neug	1.59	0.00	-	1.59	-	1.59
Linseed	0.97	0.00	-	0.97	-	0.97
Fenugreek	-	-	-	-	-	-
Papeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	335.91	4.63	0.58	341.12	2.25	343.37

TABLE - 36

ESTIMATES OF PRODUCTION OF MAJOR CROPS IN KEFFA REGION  
IN 1986/ 87 (1979 E/C)

THOUSAND QUINTEALS

CROP	MAIN SEASON				Below Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	4124.32	43.65	12.10	4180.13	19.82	4199.95
Teff	797.11	4.83	-	801.94	6.47	808.41
Barley	317.41	0.91	-	318.32	4.64	322.96
Wheat	162.45	3.21	-	165.66	-	165.66
Maize	1843.24	29.77	12.10	1885.11	8.71	1893.82
Sorghum	928.86	4.93	-	933.79	-	933.79
Millet	69.73	0.00	-	69.73	-	69.73
Oats	5.58	-	-	5.58	-	5.58
PULSES . . . . .	469.46	4.65	-	474.11	0.00	474.11
Horse beans	323.14	3.07	-	326.21	-	326.21
Chick peas	6.81	-	-	6.81	0.00	6.81
Haricot beans	3.73	0.32	-	4.05	-	4.05
Field peas	133.62	1.26	-	134.88	-	134.88
Lentils	2.16	-	-	2.16	-	2.16
Vetch	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
OTHERS	17.12	-	-	17.12	-	17.12
Neug	9.39	-	-	9.39	-	9.39
Linseed	7.73	-	-	7.73	-	7.73
Fenugreek	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	4610.96	48.30	12.10	4671.36	19.82	4691.18

TABLE - 37

ESTIMATES OF YIELD OF MAJOR CROPS IN KEFFA REGION  
IN 1986/87 (1979 F.C.)

QUINTALS/ HECTARE

CROP	MAIN SEASON				Belg Season	Total Both Season
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	14.14	10.91	20.86	14.11	8.81	14.07
Teff	8.75	5.68	-	8.72	5.48	8.60
Barley	12.37	11.38	-	12.36	11.90	12.36
Wheat	10.98	12.84	-	11.01	-	11.01
Maize	19.45	13.66	20.86	19.33	12.81	19.29
Sorghum	15.29	7.70	-	15.21	-	15.21
Millet	17.83	0.00	-	17.83	-	17.83
Oats	7.75	-	-	7.75	-	7.75
PULSES	11.27	7.38	-	11.22	0.00	11.22
Horse beans	12.24	12.79	-	12.24	-	12.24
Chick peas	7.02	0.00	-	7.02	0.00	7.02
Haricot beans	4.19	1.28	-	3.55	-	3.55
Field peas	10.26	9.00	-	10.25	-	10.25
Lentils	6.17	0.00	-	6.17	-	6.17
Vetch	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
OTHERS	6.69	0.00	-	6.69	-	6.69
Neug	5.91	0.00	-	5.91	-	5.91
Linseed	7.97	0.00	-	7.97	-	7.97
Fenugreek	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	13.73	10.43	20.86	13.69	8.81	13.66

TABLE -38

ESTIMATES OF AREA UNDER MAJOR CROPS IN SHOA REGION  
IN 1986/87 (1970 E.C)

THOUSAND HECTARES

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	1200.04	22.79	0.54	1223.37	33.04	1256.41
Teff	396.64	6.41	0.14	403.19	6.35	409.54
Barley	169.20	3.56	-	172.78	9.76	182.54
Wheat	191.48	4.65	0.09	196.22	0.33	196.55
Maize	246.35	4.34	0.31	251.00	12.96	263.96
Sorghum	185.61	3.79	-	189.40	3.64	193.04
Millet	3.47	0.02	-	3.49	-	3.49
Oats	7.29	-	-	7.29	-	7.29
PULSES	181.36	4.66	0.10	186.14	5.65	191.79
Horse beans	76.83	1.43	-	78.26	-	78.26
Chick peas	34.30	1.54	-	35.84	-	35.84
Haricot beans	17.28	0.46	0.10	17.84	4.94	22.78
Field peas	24.79	0.61	-	25.40	0.62	26.02
Lentils	19.01	0.30	-	19.31	0.02	19.33
Vetch	9.17	0.32	-	9.49	0.07	9.56
Soya beans	-	0.002	-	0.002	-	0.002
OTHERS	40.06	1.09	0.08	41.23	0.18	41.41
Neug	31.95	0.56	-	32.51	-	32.51
Linseed	6.56	0.37	-	6.93	0.17	7.10
Fenugreek	1.41	0.05	-	1.46	0.01	1.47
Rapeseed	0.14	0.11	-	0.25	-	0.25
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	0.001	0.08	0.081	-	0.081
TOTAL	1421.48	28.54	0.72	1450.74		1489.61

TABLE - 39

ESTIMATES OF PRODUCTION OF MAJOR CROPS IN SIKA REGION  
In 1986.87 (1979 B.C.)

THOUSAND QUINTALS

CROP	MAIN SEASON				Relg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	15204.10	210.52	10.82	15425.44	472.21	15897.65
Teff	3587.34	45.92	1.10	3634.36	58.99	3693.35
Barley	1972.25	26.48	-	1998.73	271.71	2270.44
Wheat	2182.28	34.86	1.10	2218.24	7.51	2225.75
Maize	4725.28	61.09	8.62	4794.99	76.49	4871.48
Sorghum	2620.44	42.17	-	2662.61	57.51	2720.12
Millet	39.84	0.00	-	39.84	-	39.84
Oats	76.67	-	-	76.67	-	76.67
PULSES	1629.02	22.58	0.80	1652.40	33.48	1685.88
Horse beans	877.54	8.65	-	886.19	-	886.19
Chick peas	317.36	6.86	-	324.22	-	324.22
Haricot beans	91.58	2.16	0.80	94.54	29.64	124.18
Field peas	189.43	3.012	-	192.442	3.04	195.482
Lentils	86.56	1.123	-	87.683	0.25	87.933
Vetch	66.55	0.87	-	67.32	0.55	67.87
Soya beans	-	0.002	-	0.002	-	0.002
OTHERS	171.58	3.62	0.30	175.50	0.26	175.76
Neug	128.98	1.391	-	130.371	-	130.371
Linseed	35.77	1.23	-	37.00	0.20	37.20
Fenugreek	5.05	0.314	-	5.364	0.06	5.424
Rapeseed	1.76	0.66	-	2.44	-	2.44
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	0.02	0.30	0.32	-	0.32
TOTAL	17004.70	236.72	11.92	17253.34	505.95	17759.29

TABLE - 40

ESTIMATES OF YIELD OF MAJOR CROPS IN SHOA REGION  
IN 1986/87 (1979 E.C)

QUINTALS/HECTARES

CROP	MAIN SEASON				Belc Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	12.67	9.24	20.04	12.61	14.29	12.65
Teff	9.04	7.16	7.86	9.01	9.29	9.02
Barley	11.66	7.40	-	11.57	27.84	12.44
Wheat	11.40	7.50	12.22	11.30	22.76	11.32
Maize	19.18	14.08	27.81	19.10	5.98	18.46
Sorghum	14.12	11.13	-	14.06	15.80	14.09
Millet	11.48	0.00	-	11.42	-	11.42
Oats	10.52	-	-	10.52	-	10.52
PULSES	8.98	4.85	8.00	8.88	5.93	8.79
Horse beans	11.42	6.05	-	11.32	-	11.32
Chick peas	9.25	4.45	-	9.05	-	9.05
Haricot beans	5.30	4.70	8.00	5.30	6.00	5.45
Field peas	7.64	4.94	-	7.58	4.90	7.51
Lentils	4.55	3.74	-	4.54	12.50	4.55
Vetch	7.26	2.41	-	7.09	7.86	7.10
Soya beans	-	1.00	-	1.00	-	1.00
OTHERS	4.28	3.32	3.75	4.26	1.44	4.24
Neug	4.04	2.48	-	4.01	-	4.02
Linseed	5.45	3.32	-	5.34	1.18	5.24
Fenugreek	3.58	6.28	-	3.67	6.00	3.69
Rapeseed	12.71	6.00	-	9.76	-	9.76
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	20.00	3.75	3.95	-	3.95
TOTAL	11.96	8.29	16.56	11.89	13.02	11.92

TABLE - 41

ESTIMATES OF AREA, PRODUCTION & YIELD OF  
MAJOR CROPS IN SHOA REGION CHEBO & GURAGE SUBRAJA  
IN 1986/87 (1979 F.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	106.82	1186.31	11.11
Teff	56.97	517.06	9.08
Barley	17.28	257.97	14.93
Wheat	13.81	136.85	9.91
Maize	8.51	143.68	16.88
Sorghum	9.17	124.16	13.54
Millet	-	-	-
Oats	1.02	6.59	6.10
PULSES	14.87	166.06	11.17
Horse beans	2.37	30.69	12.95
Chick peas	6.86	64.41	9.39
Haricot beans	0.02	0.01	0.05
Field peas	2.54	34.87	13.73
Lentils	0.83	3.42	4.12
Vetch	2.25	32.67	14.52
Soya beans	-	-	-
OTHERS	6.18	25.89	4.19
Neug	6.11	25.65	4.20
Linseed	0.05	0.14	2.80
Fenugreek	0.02	0.10	5.00
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	127.87	1373.26	10.78

TABLE - 42

ESTIMATES OF AREA, PRODUCTION & YIELD OF  
MAJOR CROPS IN SHOA REGION HIKOCH & BUTAJIRA AWRAJA  
IN 1986/87 (1979 E.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	244.64	4126.84	16.87
Teff	37.78	275.25	7.29
Barley	11.59	157.67	13.60
Wheat	17.10	186.24	10.89
Maize	141.32	3000.22	21.23
Sorghum	31.21	429.87	13.77
Millet	2.53	33.33	13.17
Oats	3.11	44.26	14.23
PULSES	22.68	222.53	9.81
Horse beans	10.03	145.80	14.54
Chick peas	0.08	0.31	3.88
Haricot beans	7.11	49.40	6.95
Field peas	2.73	17.06	6.25
Lentils	2.55	9.96	3.91
Vetch	0.18	0.00	0.00
Soya beans	-	-	-
OTHERS	0.14	1.02	7.29
Neug	-	-	-
Linseed	0.07	0.39	5.57
Fenugreek	0.07	0.63	9.00
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	267.46	4350.39	16.27

TABLE - 43

ESTIMATES OF AREA, PRODUCTION & YIELD OF  
MAJOR CROPS IN SHOA REGION JIRAT & MECHA AWRAJA  
IN 1986/87 (1979 E.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	150.15	2028.49	13.51
Teff	51.34	524.44	10.22
Barley	31.17	404.03	12.96
Wheat	14.50	163.92	11.30
Maize	28.76	528.60	18.38
Sorghum	24.22	405.62	16.75
Millet	-	-	-
Oats	0.16	1.88	11.75
PULSES	6.64	65.65	9.89
Horse beans	3.58	41.80	11.68
Chick peas	1.43	10.07	7.04
Haricot beans	-	-	-
Field peas	0.90	10.10	11.22
Lentils	0.20	1.38	6.90
Vetch	0.53	2.30	4.34
Soya beans	-	-	-
OTHERS	16.85	72.53	4.30
Neug	15.87	66.14	4.17
Linseed	0.84	4.61	5.49
Fenugreek	-	-	-
Rapeseed	0.14	1.78	12.71
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	173.64	2166.67	12.48

TABLE - 44

ESTIMATES OF AREA, PRODUCTION & YIELD OF  
MAJOR CROPS IN SHOA REGION KEMBATA & HADIA AWRAJA  
IN 1936/87 (1979 E.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	114.60	1702.04	14.85
Teff	27.32	255.30	9.18
Barley	7.33	103.39	14.01
Wheat	29.34	442.90	15.10
Maize	41.89	780.03	18.62
Sorghum	6.79	106.89	15.74
Millet	0.89	6.51	7.31
Oats	0.49	7.02	14.33
PULSES	11.92	131.22	11.01
Horse beans	6.92	81.32	11.82
Chick peas	0.86	6.88	8.00
Haricot beans	1.39	12.89	9.27
Field peas	2.75	29.63	10.77
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	-	-	-
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	126.52	1833.26	14.49

TABLE- 45

ESTIMATES OF AREA, PRODUCTION & YIELD OF  
MAJOR CROPS IN SHOA REGION MEMAGESHA AWRAJA  
IN 1986/87 (1979 E.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
<b>CEREALS</b>	147.34	1385.77	9.37
Teff	55.30	433.81	7.84
Barley	38.22	330.12	8.64
Wheat	42.10	448.43	10.65
Maize	0.88	11.35	12.90
Sorghum	10.42	153.14	14.70
Millet	-	-	-
Oats	0.92	8.92	9.70
<b>PULSES</b>	24.28	177.37	7.31
Horse beans	9.04	74.96	8.29
Chick peas	9.02	74.95	8.31
Haricot beans	-	-	-
Field peas	0.59	4.76	8.07
Lentils	3.97	16.78	4.23
Vetch	1.66	5.92	3.57
Soya beans	-	-	-
<b>OTHERS</b>	7.51	30.31	4.04
Neug	5.07	16.31	3.22
Linseed	2.30	13.27	5.77
Fenugreek	0.14	0.73	5.21
Rape seed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
<b>TOTAL</b>	179.63	1593.45	8.87

TABLE-46

ESTIMATES OF AREA, PRODUCTION & YIELD OF  
MAJOR CROPS IN SHOA REGION MENZ & GISHE AWRAJA  
IN 1986/87 (1979 E.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	27.77	287.68	10.36
Teff	3.96	33.28	8.40
Barley	10.48	142.80	13.63
Wheat	8.17	51.64	6.32
Maize	0.05	0.30	6.00
Sorghum	5.07	59.66	11.77
Millet	0.04	0.00	0.00
Oats	-	-	-
PULSES	8.91	89.36	10.03
Horse beans	6.78	76.60	11.30
Chick peas	0.25	2.00	8.00
Haricot beans	0.14	1.09	7.79
Field peas	0.88	5.17	5.88
Lentils	0.86	4.50	5.23
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	1.12	4.53	4.04
Neur	0.65	0.13	2.60
Linseed	1.07	4.40	4.11
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	37.80	381.57	10.09

TABLE-47

ESTIMATES OF AREA, PRODUCTION & YIELD OF  
MAJOR CROPS IN SHOA REGION MERHABETE AWRAJA  
IN 1986/87 (1979 E.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	48.36	553.48	11.44
Teff	19.09	152.02	7.96
Barley	0.51	7.18	14.08
Wheat	2.28	26.74	11.73
Maize	1.36	11.61	8.54
Sorghum	25.12	355.93	14.17
Millet	-	-	-
Oats	-	-	-
PULSES	2.25	28.53	12.68
Horse beans	1.35	19.12	14.16
Chick peas	0.26	3.53	13.58
Haricot beans	0.12	1.01	8.42
Field peas	0.46	4.20	9.13
Lentils	0.03	0.29	9.67
Vetch	0.03	0.38	12.67
Soya beans	-	-	-
OTHERS	0.64	4.74	7.41
Neug	0.59	4.42	7.49
Linseed	0.02	0.00	0.00
Fenugreek	0.03	0.32	10.67
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	51.25	586.75	11.45

TABLE-43

ESTIMATES OF AREA, PRODUCTION & YIELD OF  
MAJOR CROPS IN SHOA REGION SELALE AWRAJA  
IN 1986/87 (1979 E.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	86.60	849.11	9.79
Teff	36.86	316.34	8.58
Barley	12.73	124.89	9.81
Wheat	13.53	116.33	8.60
Maize	0.56	8.15	14.55
Sorghum	22.11	277.60	12.56
Millet	-	-	-
Oats	0.90	5.80	6.44
PULSES	19.12	162.58	8.50
Horse beans	11.44	110.87	9.69
Chick peas	1.91	12.90	6.75
Haricot beans	-	-	-
Field peas	1.80	17.05	9.47
Lentils	1.48	6.58	4.45
Vetch	2.49	15.18	6.10
Soya beans	-	-	-
OTHERS	5.09	19.78	3.89
Neug	4.26	16.33	3.83
Linseed	0.67	3.37	5.03
Fenugreek	0.16	0.08	0.50
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	110.90	1031.47	9.30

TABLE-49

ESTIMATES OF AREA, PRODUCTION & YIELD OF  
MAJOR CROPS IN SHOA REGION TEGULET & BULGA AWRAJA  
IN 1986/87 (1979 E.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
<b>CEREALS</b>	93.25	1101.90	11.82
Teff	13.07	120.77	9.24
Barley	30.72	367.47	11.96
Wheat	18.63	230.59	12.38
Maize	1.32	20.10	15.23
Sorghum	29.01	361.40	12.46
Millet	-	-	-
Oats	0.50	1.57	3.14
<b>PULSES</b>	27.36	322.48	11.79
Horse beans	14.58	195.21	13.39
Chick peas	4.24	49.89	11.77
Haricot beans	0.88	7.10	8.07
Field peas	5.05	49.73	9.85
Lentils	2.61	20.55	7.87
Vetch	-	-	-
Soya beans	-	-	-
<b>OTHERS</b>	1.46	9.33	6.39
Neug	-	-	-
Linseed	1.44	9.29	6.45
Fenugreek	0.02	0.04	2.00
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
<b>TOTAL</b>	122.07	1433.71	11.74

TABLE-50

ESTIMATES OF AREA, PRODUCTION & YIELD OF  
MAJOR CROPS IN SHOA REGION YERER & KERAYU AWRAJA  
IN 1986/87 (1979 E.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	149.42	1542.59	10.32
Teff	37.71	900.14	10.26
Barley	9.01	76.11	8.45
Wheat	31.45	372.88	11.86
Maize	16.93	131.48	7.77
Sorghum	4.21	61.35	14.57
Millet	-	-	-
Oats	0.11	0.63	5.73
PULSES	39.22	204.16	5.21
Horse beans	7.22	45.95	6.36
Chick peas	9.18	90.66	9.88
Haricot beans	7.58	19.96	2.63
Field peas	6.91	15.33	2.22
Lentils	6.30	22.16	3.52
Vetch	2.03	10.10	4.98
Soya beans	-	-	-
OTHERS	1.07	3.45	3.22
Neug	-	-	-
Linseed	0.10	0.30	3.00
Fenugreek	0.97	3.15	3.25
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	189.71	1750.20	9.23

TABLE - 51

ESTIMATES OF AREA, PRODUCTION & YIELD OF  
MAJOR CROPS IN SHOA REGION YIFAT & TIMUGA AWRAJA  
IN 1986/87 (1979 F.C.)

FOR PRIVATE HOLDINGS (MAIN SEASON)

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	30.50	439.89	14.42
Teff	6.74	58.93	8.74
Barley	0.11	0.62	5.64
Wheat	0.57	5.76	10.11
Maize	4.77	89.76	18.82
Sorghum	18.28	284.82	15.58
Millet	0.01	-	-
Oats	0.02	-	-
PULSES	4.13	59.08	14.31
Horse beans	3.52	54.73	15.55
Chick peas	0.21	1.76	8.38
Haricot beans	0.04	0.12	3.00
Field peas	0.18	1.53	8.50
Lentils	0.18	0.94	5.22
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	-	-	-
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	34.63	498.97	14.41

TABLE - 52

ESTIMATES OF AREA UNDER MAJOR CROPS IN SIDAMO REGION  
IN 1986/87 (1979 E.C.)

THOUSAND HECTARES

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	159.06	3.07	11.21	173.34	6.74	180.08
Teff	13.46	0.77	-	14.23	1.08	15.31
Barley	23.95	0.09	-	24.04	2.22	26.26
Wheat	6.22	0.16	-	6.38	-	6.38
Maize	100.69	1.84	11.21	113.74	3.44	117.18
Sorghum	14.74	0.21	-	14.95	-	14.95
Millet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
PULSES	15.63	0.46	1.12	17.21	1.85	19.06
Horse beans	3.99	0.12	-	4.11	-	4.11
Chick peas	0.97	-	-	0.97	-	0.97
Haricot beans	6.51	0.25	1.12	7.88	1.85	9.73
Field peas	4.16	0.09	-	4.25	-	4.25
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
OTHERS	-	-	0.81	0.81	-	0.81
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	0.81	0.81	-	0.81
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	174.69	3.53	13.14	191.36	3.59	199.95

TABLE - 53

ESTIMATES OF PRODUCTION OF MAJOR CROPS IN SIDAMO REGION  
IN 1986/87 (1979 E.C.)

THOUSAND QUINTALS

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	2529.64	33.29	269.20	2822.13	62.36	2884.99
Teff	66.23	2.87	-	69.10	14.82	83.92
Barley	298.43	0.31	-	298.74	3.68	302.42
Wheat	53.99	0.70	-	54.69	-	54.69
Maize	1942.09	18.45	269.20	2229.74	44.36	2274.10
Sorghum	168.90	0.96	-	169.86	-	169.86
Millet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
PULSES	117.77	1.15	3.90	122.82	4.45	127.27
Horse beans	45.02	0.34	-	45.36	-	45.36
Chick peas	0.00	-	-	0.00	-	0.00
Haricot beans	38.58	0.61	3.90	43.09	4.45	47.54
Field peas	34.17	0.20	-	34.37	-	34.37
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
OTHERS	-	-	6.40	6.40	-	6.40
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	6.40	6.40	-	6.40
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	2647.41	24.44	279.50	2951.35	67.31	3018.66

TABLE - 54

ESTIMATES OF YIELD OF MAJOR CROPS IN SIDAMO REGION  
IN 1986/87 (1979 E.C.)

QUINTALS/HECTARE

CROP	MAIN SEASON				Relg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	15.90	7.59	24.01	16.23	9.33	16.02
Teff	4.92	3.73	-	4.86	13.72	5.48
Barley	12.46	3.44	-	12.43	1.66	11.52
Wheat	8.63	4.38	-	8.57	-	8.57
Maize	19.29	10.03	24.01	19.60	12.90	19.41
Sorghum	11.46	4.57	-	11.36	-	11.36
Millet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
PULSES	7.53	2.50	3.48	7.14	2.41	6.68
Horse beans	11.28	2.83	-	11.04	-	11.04
Chick peas	0.00	-	-	0.00	-	0.00
Haricot beans	5.93	2.44	3.48	5.47	2.41	4.89
Field peas	8.21	2.22	-	8.09	-	8.09
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
OTHERS	-	-	7.90	7.90	-	7.90
Neug	-	-	-	-	-	-
Linseed	-	-	-	-	-	-
Fenugreek	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	7.90	7.90	-	7.90
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	15.15	6.92	21.27	15.42	7.84	15.10

TABLE - 55

 ESTIMATES OF AREA UNDER MAJOR CROPS IN WELEGA REGION  
 IN 1986/87 (1979 E.C.)

THOUSAND HECTARES

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	364.01	0.02	38.25	411.28	4.43	415.71
Teff	115.69	3.60	-	119.29	1.11	120.40
Barley	17.95	1.27	-	19.22	3.21	22.43
Wheat	11.46	0.53	-	11.99	-	11.99
Maize	130.25	2.56	36.94	169.75	-	169.75
Sorghum	56.81	0.64	1.31	58.76	-	58.76
Millet	30.95	0.31	-	31.26	-	31.26
Oats	0.90	0.11	-	1.01	0.11	1.12
PULSES	14.14	1.09	0.95	16.18	0.05	16.23
Horse beans	7.34	0.51	-	7.85	0.03	7.88
Chick peas	0.47	0.12	-	0.59	-	0.59
Haricot beans	3.88	0.07	-	3.95	0.01	3.96
Field peas	2.45	0.39	-	2.84	0.01	2.85
Lentils	-	0.001	-	0.001	-	0.001
Vetch	-	0.001	-	0.001	-	0.001
Soya beans	-	-	0.95	0.95	-	0.95
OTHERS	18.91	1.02	-	19.93	-	19.93
Neug	18.45	0.97	-	19.42	-	19.42
Linseed	0.29	0.02	-	0.31	-	0.31
Fenugreek	0.01	-	-	0.01	-	0.01
Rapeseed	0.16	0.03	-	0.19	-	0.19
Sunflower	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-
Sesame	-	0.004	-	0.004	-	0.004
TOTAL	397.06	11.13	39.20	447.39	4.48	451.87

ESTIMATES OF PRODUCTION OF MAJOR CROPS IN WELLEGA REGION  
IN 1986/87 (1979 E.C.)

THOUSAND HECTARES

CROP	MAIN SEASON				Beta Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	3146.08	99.52	1033.30	4268.90	51.63	4320.53
Teff	643.35	20.76	-	664.11	18.41	682.52
Barley	136.53	20.37	-	156.90	32.22	189.12
Wheat	93.93	15.27	-	109.25	-	109.25
Maize	1628.15	27.27	1017.60	2673.02	-	2673.02
Sorghum	452.43	3.96	15.70	472.09	-	472.09
Millet	185.50	1.25	-	186.85	-	186.85
Oats	6.04	0.64	-	6.68	1.00	7.68
PULSES	107.20	19.41	5.10	131.71	0.71	132.42
Horse beans	65.36	13.16	-	78.52	0.37	78.89
Chick peas	1.63	1.19	-	2.82	-	2.82
Haricot beans	19.05	0.44	-	19.49	0.12	19.61
Field peas	21.15	4.60	-	25.76	0.22	25.98
Lentils	-	0.00	-	0.00	-	0.00
Vetch	-	0.02	-	0.02	-	0.02
Soya beans	-	-	5.10	5.10	-	5.10
OTHERS	52.90	2.05	-	54.95	-	54.95
Neug	51.37	1.85	-	53.22	-	53.22
Linseed	0.81	0.04	-	0.85	-	0.85
Fenugreek	0.00	-	-	0.00	-	0.00
Rapeseed	0.72	0.15	-	0.87	-	0.87
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	0.01	-	0.01	-	0.01
TOTAL	3306.18	110.98	1038.40	4455.56	52.34	4507.90

TABLE - 57

ESTIMATES OF YIELD OF MAJOR CROPS IN WELLEGA REGION  
IN 1986/87 (1979 P.C.)

QUINTALS/HECTARES

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	8.61	9.92	27.01	10.38	11.65	10.39
Teff	5.56	5.77	-	5.57	16.50	5.67
Barley	7.61	16.04	-	8.16	10.04	8.43
Wheat	8.20	28.81	-	9.11	-	9.11
Maize	12.50	10.65	27.55	15.75	-	15.75
Sorghum	7.96	6.19	11.98	8.03	-	8.03
Millet	6.00	4.03	-	5.98	-	5.98
Oats	6.71	5.82	-	6.61	9.09	6.86
PULSES	7.58	17.81	5.37	8.14	14.20	8.16
Horse beans	8.90	25.80	-	10.00	12.33	10.01
Chick peas	3.47	9.92	-	4.78	-	4.78
Haricot beans	4.91	6.29	-	4.93	12.00	4.95
Field peas	8.64	11.79	-	9.07	22.00	9.12
Lentils	-	0.00	-	0.00	-	0.00
Vetch	-	20.00	-	20.00	-	20.00
Soya beans	-	-	5.37	5.37	-	5.37
OTHERS	2.80	2.01	-	2.76	-	2.76
Neug	2.78	1.91	-	2.71	-	2.74
Linseed	2.79	2.00	-	2.74	-	2.74
Fenugreek	0.00	-	-	0.00	-	0.00
Rapeseed	4.50	5.00	-	4.58	-	4.58
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	2.50	-	2.50	-	2.50
TOTAL	8.33	9.97	26.49	9.96	11.68	9.98

TABLE - 58

ESTIMATES OF AREA UNDER MAJOR CROPS IN WOLLO REGION  
IN 1986/87 (1979 E.C.)

THOUSAND HECTARES

CROP	MAIN SEASON				Belq Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	286.85	21.89	-	308.74	55.42	364.16
Teff	43.45	2.49	-	45.94	2.73	48.67
Barley	73.86	0.92	-	74.78	40.60	115.38
Wheat	54.64	4.33	-	58.97	5.67	64.64
Maize	15.97	1.82	-	17.79	1.49	19.28
Sorghum	92.34	12.12	-	104.46	-	104.46
Millet	0.38	-	-	0.38	-	0.38
Oats	6.21	0.21	-	6.42	4.93	11.35
PULSES	42.31	4.07	-	46.38	1.39	47.77
Horse beans	19.14	1.86	-	21.00	-	21.00
Chick peas	2.71	0.68	-	3.39	0.82	4.21
Haricot beans	0.33	0.002	-	0.332	-	0.332
Field peas	7.57	0.34	-	7.91	0.15	8.06
Lentils	9.67	0.69	-	10.36	0.42	10.78
Vetch	2.89	0.50	-	3.39	-	3.39
Soya beans	-	-	-	-	-	-
OTHERS	8.84	0.81	-	9.65	0.29	9.94
Neug	2.57	0.21	-	2.78	-	2.78
Linseed	5.43	0.26	-	5.69	0.29	5.98
Fenugreek	0.84	0.26	-	1.10	-	1.10
Rapeseed	-	0.01	-	0.01	-	0.01
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	0.07	-	0.07	-	0.07
TOTAL	338.00	26.77	-	364.77	57.10	421.87

TABLE - 59

ESTIMATES OF PRODUCTION OF MAJOR CROPS IN WOLLO REGION  
IN 1986/87 (1979 E.C.)

THOUSAND QUINTALS

CROP	MAIN SEASON				Belg Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	3307.08	154.70	-	3461.78	742.56	4204.34
Teff	310.16	11.01	-	321.17	86.39	408.06
Barley	847.46	4.58	-	852.04	512.74	1364.78
Wheat	484.90	12.65	-	497.55	38.75	536.30
Maize	255.61	21.30	-	277.41	37.27	314.68
Sorghum	1356.28	102.71	-	1458.99	-	1458.99
Millet	4.07	-	-	4.07	-	4.07
Oats	48.60	1.95	-	50.55	66.91	117.46
PULSES	419.21	20.00	-	439.21	13.90	453.11
Horse beans	250.05	9.99	-	260.04	-	260.04
Chick peas	15.52	2.52	-	18.04	1.17	19.21
Haricot beans	2.76	0.02	-	2.78	-	2.78
Field peas	65.47	2.43	-	67.90	3.45	71.35
Lentils	73.23	3.29	-	76.52	9.28	85.80
Vetch	12.18	1.75	-	13.93	-	13.93
Soya beans	-	-	-	-	-	-
OTHERS	42.64	3.08	-	45.72	1.08	46.80
Neug	6.95	0.60	-	7.55	-	7.55
Linseed	31.69	1.66	-	33.35	1.08	34.43
Fenugreek	4.00	0.82	-	4.82	-	4.82
Rapeseed	-	0.00	-	0.00	-	0.00
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	0.00	-	0.00	-	0.00
TOTAL	3768.93	177.78	-	3946.71	757.54	4704.25

TABLE - 60

ESTIMATES OF YIELD OF MAJOR CROPS IN WOLLO REGION  
IN 1986/87 (1979 E.C.)

QUINTALS/HECTARE

CROP	MAIN SEASON				Bela Season	Total Both Seasons
	Private Peasant Holdings	Producers Co-operatives	State Farms	Total		
CEREALS	11.53	7.07	-	11.21	13.40	11.55
Teff	7.14	4.42	-	6.99	31.83	8.38
Barley	11.47	4.98	-	11.39	12.63	11.83
Wheat	8.87	2.92	-	8.44	6.83	8.30
Maize	16.01	11.98	-	15.59	25.01	16.32
Sorghum	14.69	8.47	-	13.97	-	13.97
Millet	10.71	-	-	10.71	-	10.71
Oats	7.83	9.29	-	7.87	13.57	10.35
PULSES	9.91	4.91	-	9.47	10.00	9.49
Horse beans	13.06	5.37	-	12.38	-	12.38
Chick peas	5.73	3.71	-	5.32	1.43	4.56
Haricot beans	8.36	10.00	-	8.37	-	8.37
Field peas	8.65	7.15	-	8.58	23.00	8.85
Lentils	7.57	4.77	-	7.39	22.10	7.96
Vetch	4.21	3.50	-	4.11	-	4.11
Soya beans	-	-	-	-	-	-
OTHERS	4.82	3.80	-	4.74	3.72	4.71
Neug	2.70	2.86	-	2.72	-	2.72
Linseed	5.84	6.38	-	5.86	3.72	5.76
Fenugreek	4.76	3.15	-	4.38	-	4.38
Rapeseed	-	0.00	-	0.00	-	0.00
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	0.00	-	0.00	-	0.00
TOTAL	11.15	6.64	-	10.82	13.27	11.15

Table - 61 Estimates of Area, Production & Yield of Major Crops  
in Ethiopia\* in 1986/87 (1979 E.C.) For Other Cooperatives

Crop	Area '000 Hectares	Production '000 Quintals	Yield Quintals/Hectare
Cereals	164.59	708.06	4.30
Teff	25.35	97.52	3.77
Barley	4.30	37.81	8.79
Wheat	6.96	48.90	7.03
Maize	35.59	452.70	12.72
Sorghum	83.77	65.66	0.74
Millet	3.11	5.47	1.76
Oats	0.01	0.00	0.00
Pulses	14.12	42.03	2.98
Horse beans	2.76	22.10	8.01
Chick peas	3.70	3.81	1.03
Haricot beans	4.82	6.70	1.39
Field peas	2.35	8.09	3.44
Lentils	0.31	0.35	2.74
Vetch	0.18	0.48	2.67
Soya beans	-	-	-
Others	3.13	11.86	3.79
Neug	2.66	9.30	3.50
Linseed	0.24	1.28	5.33
Fenugreek	0.12	0.76	6.33
Rape seed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	0.11	0.52	4.73
<b>TOTAL</b>	<b>181.84</b>	<b>761.95</b>	<b>4.19</b>

\* Excluding Eritrea and Tigray

-Table - 63 Estimates of Production of Major Crops in 12 Regions in 1986/87 (1979 E.C.)

For other Cooperatives

(Thousand Quintals)

Crop	Regions	Arsi	Bale	Gannu-goffa	Gojam	Gonder	Hararghe	Illu-babor	Keff	Sidamo	Wollaga	Wollo	Total	
Cereals		63.59	0.01	2.64	7.45	6.41	16.63	8.44	93.52	96.53	19.47	456.65	6.72	708.06
Teff		1.76	0.00	1.03	3.45	1.11	1.73	6.30	6.46	40.52	5.92	28.00	0.64	97.52
Barley		15.43	0.01	0.95	0.64	1.23	0.20	0.21	1.10	15.96	0.60	1.24	0.19	37.81
Wheat		20.44	0.00	0.10	1.19	0.07	1.49	0.60	0.60	17.353	1.48	3.14	2.44	48.90
Maize		25.61	0.00	-	1.68	0.16	4.97	1.22	14.37	16.20	11.45	378.17	0.57	452.70
Sorghum		2.35	-	0.56	0.40	1.35	8.24	-	0.99	6.50	0.02	42.37	2.38	65.66
Millet		-	-	-	0.09	1.84	-	0.11	-	-	-	3.43	-	5.47
Oats		-	-	-	-	-	-	-	-	-	-	-	0.00	0.00
Pulses		1.04	0.00	1.14	0.45	1.54	0.85	13.79	5.69	6.01	1.52	8.03	1.97	42.03
Horsebeans		0.09	-	0.05	0.32	0.42	0.19	13.67	0.75	1.88	0.27	2.99	1.47	22.10
Chickpeas		0.18	0.00	0.05	0.131	0.92	-	0.05	0.18	1.74	0.01	0.55	-	3.81
Haricot beans		0.18	0.00	-	-	-	-	-	0.77	0.32	0.98	4.45	-	6.70
Field peas		0.55	0.00	1.04	0.00	0.16	0.66	0.07	3.99	1.13	0.26	0.04	0.19	8.09
Lentils		0.04	-	-	-	0.01	-	-	-	0.63	-	0.00	0.17	0.85
Vetch		-	-	-	-	0.03	-	-	-	0.314	-	-	0.14	0.48
Soya beans		-	-	-	-	-	-	-	-	-	-	-	-	-
Others		0.78	0.00	-	1.24	0.35	-	0.15	0.06	0.79	-	7.73	0.76	11.86
Neug		-	-	-	1.14	0.25	-	0.15	-	0.58	-	7.13	-	9.30
Linseed		0.78	0.00	-	0.10	0.10	-	0.00	-	0.21	-	0.09	0.00	1.22
Fenugreek		-	-	-	-	0.00	-	-	-	-	-	-	0.76	0.76
Rapeseed		-	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower		-	-	-	-	-	-	-	-	-	-	-	-	-
Ground nuts		-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame		-	-	-	-	-	-	-	0.06	-	-	0.46	-	0.52
TOTAL		65.41	0.01	3.78	9.14	8.30	17.48	22.38	29.27	103.33	20.99	472.41	9.45	761.95