

PEOPLE'S DEMOCRATIC REPUBLIC OF ETHIOPIA

CENTRAL STATISTICAL AUTHORITY

AGRICULTURAL SAMPLE SURVEY

1987/88 (1980 EC)

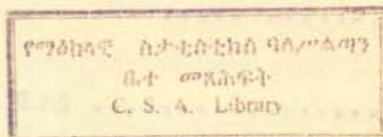
RESULTS ON AREA, PRODUCTION & YIELD OF  
MAJOR CROPS BY SECTOR AND SEASON

ADDIS ABABA  
DEC. 1989

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C O N T E N T S

	<u>Page</u>
1. INTRODUCTION .....	1
2. OBJECTIVES.....	2
3. COVERAGE .....	3
4. SAMPLE DESIGN AND METHOD OF DATA COLLECTION	3
5. RESULTS .....	4
6. NOTE .....	5
7. STATISTICAL TABLES .....	6 - 163

LIST OF TABLES

	<u>PAGE</u>	
Table 1	Estimates of area under major crops in Ethiopia in 1987/88 (1980 E.C)	6
Table 2	Estimates of Production of major crops in Ethiopia in 1987/88 (1980 E.C)	7
Table 3	Estimates of yield under major crops in Ethiopia in 1987/88 (1980 E.C)	8
Table 4	Estimates of area under major crops in Arssi region in 1987/88 (1980 E.C)	9
Table 5	Estimates of production under major crops in Arssi region in 1987/88 (1980 E.C)	10
Table 6	Estimates of yield under major crops in Arssi region in 1987/88 (1980 E.C)	11
Table 7	Estimates of area, production and yield of major crops in Arssi region Arba Gugu Awraja in 1987/88 (1980 E.C) for private peasant holdings	12
Table 8	Estimates of area, production and yield of major crops in Arssi region Arba Gugu Awraja in 1987/88 (1980 E.C) for producers cooperatives	13
Table 9	Estimates of area, production and yield of major crops in Arssi region Chillalo Awraja in 1987/88 (1980 E.C) for private peasant holding	14
Table 10	Estimates of area, production and yield of major crops in Arssi region Chillalo Awraja in 1987/88 (1980 E.C) for producers cooperatives	15
Table 11	Estimates of area, production and yield of major crops in Arssi region Ticho awraja in 1987/88 (1980 E.C) for private peasant holdings	16
Table 12	Estimates of area, production and yield of major crops in Arssi region Tich Awraja in 1987/88 (1980 E.C) for producers cooperatives	17
Table 13	Estimates of area under major crops in Bale region in 1987/88 (1980 E.C)	18
Table 14	Estimates of production under major crops in Bale region in 1987/88 (1980 E.C)	19

Table 15	Estimates of yield under major crops in Bale region in 1987/88 (1980 E.C)	20
Table 16	Estimates of area, production and yield of major crops in Bale region Dollo awraja in 1987/88 (1980 E.C) for private peasant holdings	21
Table 17	Estimates of area, production and yield of major crops in Bale region Dollo awraja in 1987/88 (1980 E.C) for producers cooperatives	22
Table 18	Estimates of area, production and yield of major crops in Bale region Genale awraja in 1987/88 (1980 E.C) for private peasant holdings	23
Table 19	Estimates of area, production and yield of major crops in Bale region Genale awraja in 1987/88 (1980 E.C) for producers cooperatives	24
Table 20	Estimates of area, production and yield of major crops in Bale region Medeyo awraja in 1987/88 (1980 E.C) for private peasant holdings	25
Table 21	Estimates of area, production and yield of major crops in Bale region Mendeyo awraja in 1987/88 (1980 E.C) for producers cooperatives	26
Table 22	Estimates of area, production and yield of major crops in Bale region Wabe awraja in 1987/88 (1980 E.C) for private peasant holdings	27
Table 23	Estimates of area, production and yield of major crops in Bale region Wabe awraja in 1987/88 (1980 E.C) for producers cooperatives	28
Table 24	Estimates of area under major crops in Gamo Goffa region in 1987/88 (1980 E.C)	29
Table 25	Estimates of production under major crops in Gamo Goffa region in 1987/88 (1980 E.C)	30
Table 26	Estimates of yield under major crops in Gamo Goffa region in 1987/88 (1980 E.C)	31
Table 27	Estimates of area, production and yield of major crops in Gamo Goffa region Gamo Awraja in 1987/88 (1980 E.C) for producers cooperatives	32

Table 28	Estimates of area, production and yield of major crops in Gomo Goffa region Gardula awraja in 1987/88 (1980 E.C) for producers cooperatives	33
Table 29	Estimates of area, production and yield of major crops in Gamo Goffa region Geleb & Hamerbako awraja in 1987/88 (1980 E.C) for producers cooperatives	34
Table 30	Estimates of area, production and yield of major crops in Gamo Goffa region Goffa awraja in 1987/88 (1980 E.C) for producers cooperatives	35
Table 31	Estimates of area under major crops in Gojjam region in 1987/88 (1980 E.C)	36
Table 32	Estimates of production under major crops in Gojjam region in 1987/88 (1980 E.C)	37
Table 33	Estimates of yield under major crops in Gojjam region in 1987/88 (1980 E.C)	38
Table 34	Estimates of area, production and yield of major crops in Gojjam region Agew Midr awraja in 1987/88 (1980 E.C) for private peasant holdings	39
Table 35	Estimates of area, production and yield of major crops in Gojjam region Agew Midr awraja in 1987/88 (1980 E.C) for producers cooperatives	40
Table 36	Estimates of area, production and yield of major crops in Gojjam region Bahir Dar awraja in 1987/88 (1980 E.C) for private peasant holdings	41
Table 37	Estimates of area, production and yield of major crops in Gojjam region Bahir Dar awraja in 1987/88 (1980 E.C) for producers cooperatives	42
Table 38	Estimates of area, production and yield of major crops in Gojjam region Bichena awraja in 1987/88 (1980 E.C) for private peasant holdings	43
Table 39	Estimates of area, production and yield of major crops in Gojjam region Bichena awraja in 1987/88 (1980 E.C) for producers cooperatives	44
Table 40	Estimates of area, production and yield of major crops in Gojjam region Debre Markos awraja in 1987/88 (1980 E.C) for private peasant holdings	45

Table 41	Estimates of area, production and yield of major crops in Gojjam region Debre Markos awraja in 1987/88 (1980 E.C) for producers cooperatives	46
Table 42	Estimates of area, production and yield of major crops in Gojjam region Metekel awraja in 1987/88 (1980 E.C) for private peasant holdings	47
Table 43	Estimates of area, production and yield of major crops in Gojjam region Metekel awraja in 1987/88 (1980 E.C) for producers cooperatives	48
Table 44	Estimates of area, production and yield of major crops in Gojjam region Kola Dega Damot awraja in 1987/88 (1980 E.C) for private peasant holdings	49
Table 45	Estimates of area, production and yield of major crops in Gojjam region Kola Dega Damot awraja in 1987/88 (1980 E.C) for producers cooperatives	50
Table 46	Estimates of area, production and yield of major crops in Gojjam region Motta awraja in 1987/88 (1980 E.C) for private peasant holdings	51
Table 47	Estimates of area, production and yield of major crops in Gojjam region Motta awraja in 1987/88 (1980 E.C) for producers cooperatives	52
Table 48	Estimates of area under major crops in Gonder region in 1987/88 (1980 E.C)	53
Table 49	Estimates of production under major crops in Gonder region in 1987/88 (1980 E.C)	54
Table 50	Estimates of yield under major crops in Gonder region in 1987/88 (1980 E.C)	55
Table 51	Estimates of area, production and yield of major crops in Gonder region Chilga awraja in 1987/88 (1980 E.C) for producers cooperatives	56
Table 52	Estimates of area, production and yield of major crops in Gonder region Debre Tabor awraja in 1987/88 (1980 E.C) for producers cooperatives	57
Table 53	Estimates of area, production and yield of major crops in Gonder region Gaint awraja in 1987/88 (1980 E.C) for producers cooperatives	58

Table 54	Estimates of area, production and yield of major crops in Gonder region Gonder awraja in 1987/88 (1980 E.C) for producers cooperatives	59
Table 55	Estimates of area, production and yield of major crops in Gonder region Libo Awraja in 1987/88 (1980 E.C) for producers cooperatives	60
Table 56	Estimates of area, production and yield of major crops in Gonder region Semen Awraja in 1987/88 (1980 E.C) for producers cooperatives	61
Table 57	Estimates of area, production and yield of major crops in Gonder region Wegera awraja in 1987/88 (1980 E.C) for producers cooperatives	62
Table 58	Estimates of area under major crops in Hararghe region in 1987/88 (1980 E.C)	63
Table 59	Estimates of production under major crops in Hararghe region in 1987/88 (1980 E.C)	64
Table 60	Estimates of yield under major crops in Hararghe region in 1987/88 (1980 E.C)	65
Table 61	Estimates of area, production and yield of major crops in Hararghe region Chercher awraja in 1987/88 (1980 E.C) for producers cooperatives	66
Table 62	Estimates of area, production and yield of major crops in Hararghe region Dire Dewa awraja in 1987/88 (1980 E.C) for producers cooperatives	67
Table 63	Estimates of area, production and yield of major crops in Hararghe region Gara Muleta awraja in 1987/88 (1980 E.C) for producers cooperatives	68
Table 64	Estimates of area, production and yield of major crops in Hararghe region Gursum awraja in 1987/88 (1980 E.C) for producers cooperatives	69
Table 65	Estimates of area, production and yield of major crops in Hararghe region Habro awraja in 1987/88 (1980 E.C) for producers cooperatives	70
Table 66	Estimates of area, production and yield of major crops in Hararghe region Harar Zuria awraja in 1987/88 (1980 E.C) for producers cooperatives	71

Table 67	Estimates of area, production and yield of major crops in Hararghe region Jijiga awraja in 1987/88 (1980 E.C) for producers cooperatives	72
Table 68	Estimates of area, production and yield of major crops in Hararghe region Webera awraja in 1987/88 (1980 E.C) for producers cooperatives	73
Table 69	Estimates of area under major crops in Illubabor region in 1987/88 (1980 E.C)	74
Table 70	Estimates of production under major crops in Illubabor region in 1987/88 (1980 E.C)	75
Table 71	Estimates of yield under major crops in Illubabor region in 1987/88 (1980 E.C)	76
Table 72	Estimates of area, production and yield of major crops in Illubabor region Buno awraja in 1987/88 (1980 E.C) for private peasant holdings	77
Table 73	Estimates of area, production and yield of major crops in Illubabor region Buno awraja in 1987/88 (1980 E.C) for producers cooperatives	78
Table 74	Estimates of area, production and yield of major crops in Illubabor region Gore awraja in 1987/88 (1980 E.C) for private holdings	79
Table 75	Estimates of area, production and yield of major crops in Illubabor region Gore awraja in 1987/88 (1980 E.C) for producers cooperatives	80
Table 76	Estimates of area, production and yield of major crops in Illubabor region Mocha awraja in 1987/88 (1980 E.C) for private peasant holding	81
Table 77	Estimates of area, production and yield of major crops in Illubabor region Mocha awraja in 1987/88 (1980 E.C) for producers cooperatives	82
Table 78	Estimates of area, production and yield of major crops in Illubabor region Sore & Geba awraja in 1987/88 (1980 E.C) for private peasant holdings	83
Table 79	Estimates of area, production and yield of major crops in Illubabor region Sore & Geba awraja in 1987/88 (1980 E.C) for producers cooperatives	84

Table 80	Estimates of area under major crops in Keffa region in 1987/88 (1980 E.C)	85
Table 81	Estimates of production under major crops in Keffa region in 1987/88 (1980 E.C)	86
Table 82	Estimates of yield under major crops in Keffa region in 1987/88 (1980 E.C)	87
Table 83	Estimates of area, production and yield of major crops in Keffa region Gimira awraja in 1987/88 (1980 E.C) for private peasant holdings	88
Table 84	Estimates of area, production and yield of major crops in Keffa region Gimira awraja in 1987/88 (1980 E.C) for producers cooperatives	89
Table 85	Estimates of area, production and yield of major crops in Keffa region Jimma awraja in 1987/88 (1980 E.C) for private peasant holdings	90
Table 86	Estimates of area, production and yield of major crops in Keffa region Jimma awraja in 1987/88 (1980 E.C) for producers cooperatives	91
Table 87	Estimates of area, production and yield of major crops in Keffa region Keffa awraja in 1987/88 (1980 E.C) for private holdings	92
Table 88	Estimates of area, production and yield of major crops in Keffa region Keffa awraja in 1987/88 (1980 E.C) for producers cooperatives	93
Table 89	Estimates of area, production and yield of major crops in Keffa region Kulo Konta awraja in 1987/88 (1980 E.C) for private peasant holdings	94
Table 90	Estimates of area, production and yield of major crops in Keffa region Kulo Konta awraja in 1987/88 (1980 E.C) for producers cooperatives	95
Table 91	Estimates of area, production and yield of major crops in Keffa region Limu awraja in 1987/88 (1980 E.C) for private peasant holdings	96
Table 92	Estimates of area, production and yield of major crops in Keffa region Limu awraja in 1987/88 (1980 E.C) for producers cooperatives	97

Table 93	Estimates of area, production and yield of major crops in Keffa region Majji awraja in 1987/88 (1980 E.C) for private peasant holdings	98
Table 94	Estimates of area, production and yield of major crops in Keffa region Majji awraja in 1987/88 (1980 E.C) for producers cooperatives	99
Table 95	Estimates of area under major crops in Showa region in 1987/88 (1980 E.C)	100
Table 96	Estimates of production under major crops in Showa region in 1987/88 (1980 E.C)	101
Table 97	Estimates of yield under major crops in Showa region in 1987/88 (1980 E.C)	102
Table 98	Estimates of area, production and yield of major crops in Showa region Chebo & Gurage awraja in 1987/88 (1980 E.C) for private peasant holdings	103
Table 99	Estimates of area, production and yield of major crops in Showa region Chebo & Gurage awraja in 1987/88 (1980 E.C) for producers cooperatives	104
Table 100	Estimates of area, production and yield of major crops in Showa region Haikoch & Butajira awraja in 1987/88 (1980 E.C) for private peasant holdings	105
Table 101	Estimates of area, production and yield of major crops in Showa region Haikoch & Butajira awraja in 1987/88 (1980 E.C) for produceras cooperatives	106
Table 102	Estimates of area, production and yield of major crops in Showa region Jibat & Mecha awraja in 1987/88 (1980 E.C) for private peasant holdings	107
Table 103	Estimates of area, production and yield of major crops in Showa region Jibat & Mecha awraja in 1987/88 (1980 E.C) for producers cooperatives	108
Table 104	Estimates of area, production and yield of major crops in Showa region Kembata & Hadiya awraja in 1987/88 (1980 E.C) for private peasant holdings	109
Table 105	Estimates of area, production and yield of major crops in Showa region Kenbata & Hadiya awraja in 1987/88 (1980 E.C) for producers cooperatives	110

Table 106	Estimates of area, production and yield of major crops in Showa region Menagesha awraja in 1987/88 (1980 E.C) for private peasant holdings	111
Table 107	Estimates of area, production and yield of major crops in Showa region Menagesha awraja in 1987/88 (1980 E.C) for producers cooperatives	112
Table 108	Estimates of area, production and yield of major crops in Showa region Menz & Giske awraja in 1987/88 (1980E.C) for private peasant holdings	113
Table 109	Estimates of area, production and yield of major crops in Showa region Menz & Geshe Awraja in 1987/88 (1980 E.C) for producers cooperatives	114
Table 110	Estimates of area, production and yield of major crops in Showa region Merehabete awraja in 1987/88 (1980 E.C) for private peasant holdings	115
Table 111	Estimates of area, production and yield of major crops in Showa region Merehabete awraja in 1987/88 (1980 E.C) for producers cooperatives	116
Table 112	Estimates of area, production and yield of major crops in Showa region Selale awraja in 1987/88 (1980 E.C) for private peasant holdings	117
Table 113	Estimates of area, production and yield of major crops in Showa region Selale awraja in 1987/88 (1980 E.C) for producers cooperatives	118
Table 114	Estimates of area, production and yield of major crops in Showa region Tegulet & Bulga awraja in 1987/88 (1980E.C) for private peasant holding	119
Table 115	Estimates of area, production and yield of major crops in Showa region Tegulet & Bulga awraja in 1987/88 (1980 E.C) for producers cooperatives	120
Table 116	Estimates of area, production and yield of major crops in Showa region Yerer & Kereyu awraja in 1987/88 (1980 E.C) for private peasant holdings	121
Table 117	Estimates of area, production and yield of major crops in Showa region Yerer & Kereyu awraja in 1987/88 (1980 E.C) for producers cooperatives	122

Table 118	Estimates of area, production and yield of major crops in Showa region Yifat & Tunuga awraja in 1987/88 (1880 E.C) for private peasant holdings	123
Table 119	Estimates of area, production and yield of major crops in Showa region Yifat & Tunuga awraja in 1987/88 (1980 E.C) for producers cooperatives	124
Table 120	Estimates of area, under major crops in Sidamo Region in 1987/88 (1980 E.C)	125
Table 121	Estimates of production under major crops in Sidamo region in 1987/88 (1980 E.C)	126
Table 122	Estimates of yield under major crops in Sidamo region in 1987/88 (1980 E.C)	127
Table 123	Estimates of area, production and yield of major crops in Sidamo region Arero awraja in 1987/88 (1980 E.C) for producers cooperatives	128
Table 124	Estimates of area, production and yield of major crops in Sidamo region Gedee awraja in 1987/88 (1980 E.C) for producers cooperatives	129
Table 125	Estimates of area, production and yield of major crops in Sidamo region Jemjen awraja in 1987/88 (1980 E.C) for producers cooperatives	130
Table 126	Estimates of area, production and yield of major crops in Sidamo region Sidama awraja in 1987/88 (1980 E.C) for producers cooperatives	131
Table 127	Estimates of area, production and yield of major crops in Sidamo region Welayta awraja in 1987/88 (1980 E.C) for producers cooperatives	132
Table 128	Estimates of area under major crops in Wellega region in 1987/88 (1980 E.C)	133
Table 129	Estimates of production under major crops in Wellega region in 1987/88 (1980 E.C)	134
Table 130	Estimates of yield under major crops in Wellega region in 1987/88 (1980 E.C)	135
Table 131	Estimates of area, production and yield of major crops in Wellega region Arjo awraja in 1987/88 (1980 E.C) for private peasant holdings	136

Table 132	Estimates of area, production and yield of major crops in Wellega region Arjo Awraja in 1987/88 (1980 E.C) for producers cooperatives	137
Table 133	Estimates of area, production and yield of major crops in Wellega region Assosa awraja in 1987/88 (1980 E.C) for private peasant holdings	138
Table 134	Estimates of area, production and yield of major crops in Wellega region Assosa awraja in 1987/88 (1980 E.C) for producers cooperatives	139
Table 135	Estimates of area, production and yield of major crops in Wellega region Gimbi Awraja in 1987/88 (1980 E.C) for private peasant holdings	140
Table 136	Estimates of area, production and yield of major crops in Wellega region Gimbi awraja in 1987/88 (1980 E.C) for producers cooperatives	141
Table 137	Estimates of area, production and yield of major crops in Wellega region Horo Guduru awraja in 1987/88 (1980 E.C) for private peasant holdings	142
Table 138	Estimates of area, production and yield of major crops in Wellega region Horo Guduru awraja in 1987/88 (1980 E.C) for producers cooperatives	143
Table 139	Estimates of area, production and yield of major crops in Wellega region Kellew awraja in 1987/88 (1980 E.C) for private peasant holdings	144
Table 140	Estimates of area, production and yield of major crops in Wellega region Kellew awraja in 1987/88 (1980 E.C) for producers cooperatives	145
Table 141	Estimates of area, production and yield of major crops in Wellega region Nekemt awraja in 1987/88 (1980 E.C) for private peasant holdings	146
Table 142	Estimates of area, production and yield of major crops in Wellega region Nekemt awraja in 1987/88 (1980 E.C) for producers cooperatives	147
Table 143	Estimates of area under major crops in Wello region in 1987/88 (1980 E.C)	148
Table 144	Estimates of production under major crops in Wello region in 1987/88 (1980 E.C)	149

Table 145	Estimates of yield under major crops in Wello region in 1987/88 (1980 E.C)	150
Table 146	Estimates of area, production and yield of major crops in Wello region Ambasel awraja in 1987/88 (1980 E.C) for producers cooperatives	151
Table 147	Estimates of area, production and yield of major crops in wello region Borena awraja in 1987/88 (1980 E.C) for producers cooperatives	152
Table 148	Estimates of area, production and yield of major crops in Wello region Desse Zuria awraja in 1987/88 (1980 E.C) for producers cooperatives	153
Table 149	Estimates of area, production and yield of major crops in Wello region Kalu awraja in 1987/88 (1980 E.C) for producers cooperatives	154
Table 150	Estimates of area, production and yield of major crops in Wello region Lasta awraja in 1987/88 (1980 E.C) for producers cooperatives	155
Table 151	Estimates of area, production and yield of major crops in Wello region Raya & Kobo awraja in 1987/88 (1980 E.C) for producers cooperatives	156
Table 152	Estimates of area, production and yield of major crops in Wello region Wadla Delanta awraja in 1987/88 (1980 E.C) for producers cooperatives	157
Table 153	Estimates of area, production and yield of major crops in Wello region Werhimenu awraja in 1987/88 (1980 E.C) for producers cooperatives	158
Table 154	Estimates of area, production and yield of major crops in Wello region Wereilu awraja in 1987/88 (1980 E.C) for producers cooperatives	159
Table 155	Estimates of area, production and yield of major crops in Wello region Yiju awraja in 1987/88 (1980 E.C) for producers cooperatives	160
Table 156	Estimates of area under major crops in 12 regions in 1987/88 (180 E.C) for other cooperatives	161
Table 157	Estimates of production under major crops in 12 regions in 1987/88 (1980 E.C) for other cooperatives	162
Table 158	Estimates of yield under major crops in 12 regions in 1987/88 (1980 E.C) for other cooperatives	163

## 1. INTRODUCTION

The majority of the population in Ethiopia is predominantly engaged in agriculture, hence, significant proportion of rural households obtain their income solely from farming. Therefore, agriculture is the livelihood of the majority of the population in Ethiopia. The government is thus making strenuous efforts to raise the living standards, to improve the efficiency of agricultural production and the distribution of food and other agricultural products; to better the overall conditions of the population depending on agriculture. It is, therefore, essential to have reliable quantitative information on agriculture that is needed in development planning, and as a basis for decisions regarding the diverse and complex economic and social problems.

Hence the Integrated System of Food and Agricultural statistics was initiated in 1980 as the first phase of the Rural Integrated Household Survey Programme which is the major part of the National Integrated Household Survey Programme. As the first round of 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 8th round which was carried out in 1987/88 (1980 E.C). For this round as it was the case for the 7th round, agricultural households were used as statistical units, and data were collected for main agricultural season (Meher) of 1987/88 (1980 E.C) and belg season of 1986/87 (1979 E.C).

The Estimates of Area, production and yield for Private Peasant Holdings, Cooperatives and State Farms were compiled from the results of the sample survey of 1987/88 (1980 E.C) conducted by CSA (Central Statistical Authority).

## II. OBJECTIVE

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 awraja estimates for private peasant holdings in the regions of Arssi, Bale, Gojam, Illubabor, Keffa, Showa and Wellega. However, for Producers' cooperatives, awraja estimates are presented for the 12 regions.

## III. COVERAGE

The 1987/88 (1980 E.C) Agricultural Sample Survey was launched in 12-regions of the country, excluding Eritrea and Tigray. Data were collected on area under major crops, their production, general agricultural practices, number of livestock and poultry, etc. These data were collected from the sampled 861 Farmers' Associations. The population of the survey were the private peasant holdings, cooperatives and state farms. The Cooperative farms include producers' cooperatives

and other types of cooperatives, (Other cooperatives are like women's cooperatives, youth cooperatives..etc.) we should note that all cooperatives existing in the selected 861 farmers associations were enumerated. Regarding the producers' cooperatives, information was collected from all producers' cooperatives existing in the country (excluding Eritrea and Tigray)

#### IV. SAMPLE DESIGN AND METHOD OF DATA COLLECTION

Regarding the private sector, for the year 1987/88 (1980 E.C), new samples of 861 farmers' associations were selected from the 12 regions in the country with probability proportional to size without replacement. From each selected farmers' association, a systematic sample of 25 agricultural households from a fresh list of agricultural households were selected.

All agricultural holders belonging to the selected agricultural households were enumerated and the required data were collected from these holders. With respect to the information on area, all cropped fields belonging to the sample holder were physically measured and for production, all cropped fields for each holder were classified by crop and from each class, a field was randomly selected and one out of the crop in that field was taken for crop cutting experiment.

V. RESULTS

As presented in this publication, the national estimates of area, production and yield of major crops are given in Tables 1, 2 and 3 respectively. Regional and Awraja estimates are also given in subsequent tables.

As indicated in Table 1, the total area under major crops is 5.98 million hectares, out of which 5.47 million hectares (91 percent) accounts for private peasant holding (both main and belg seasons) while 0.36 million hectares (6 percent) and 0.15 million hectares (3 percent) accounts for producers' cooperatives and state farms, respectively.

Regarding production, as presented in Table 2, the total production for all the three sectors both main and belg season is 67.70 million quintals. Out of this total 61.25 million quintals (90 percent) is produced by private sector (both main and belg seasons). While 3.52 million quintals (5 percent) and 2.93 million quintal (4 percent) are produced by producers' cooperatives and state farms, respectively.

The result at national level indicates cereal crops have the major share both in area and production which is about 85 percent and 91 percent, respectively, while pulses cover 12 percent of total cultivated area and 8 percent of the total production. Moreover, belg season crops constitute about 12 percent of the total area and 11 percent of the total production of major crops.

NOTE:

While using this publication, the following points should be considered:-

- a) Area, production and yield figures of producers' cooperatives are presented at national, regional and awraja levels. These results do not include the estimates for other types of cooperatives. The estimates for the other types of cooperatives at national level for area, production and yield are given in Tables 156, 157 and 158 respectively.
- b) Belg season estimate do not include state farms.
- c) The national estimates presented in Tables 1,2 and 3 do not include Eritrea and Tigray Autonomus Regions.

ESTIMATES OF AREA, UNDER MAJOR CROPS IN ETHIOPIA  
IN 1987/88 (1980 E.C)

Table 1

THOUSAND HECTARES

C R O P	MAIN SEASON				BELG SEASON		TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVE	STATE FARMS	TOTAL	PRIVATE	PRODUCERS COOPERATIVE	
CEREALS	3979.32	276.14	139.82	4395.28	642.26	17.65	5055.19
Teff	1161.71	60.47	1.09	1223.27	29.43	0.69	1253.39
Barley	615.04	48.24	17.12	680.40	367.96	8.36	1056.72
Wheat	508.65	72.36	51.22	632.23	21.61	3.99	657.83
Maize	781.23	58.33	59.07	898.63	192.60	4.02	1095.25
Sorghum	724.17	34.06	11.32	769.55	12.82	0.25	782.62
Millet	152.59	2.06	-	154.65	1.83	0.01	156.49
Oats	35.93	0.62	-	36.55	16.01	0.33	52.89
PULSES	639.24	46.90	7.18	693.32	41.41	1.51	736.24
Horse beans	266.94	13.87	0.77	281.58	0.40	0.01	281.99
Chick peas	122.55	12.18	-	134.73	0.60	0.24	135.57
Haricot beans	55.55	3.25	5.56	64.36	17.44	0.71	82.51
Field peas	95.30	8.96	-	104.26	3.76	0.36	108.38
Lentils	43.13	2.11	-	45.24	18.95	0.18	64.37
Vetch	55.77	5.38	-	61.15	0.26	0.01	61.42
Soya beans	-	1.15	0.85	2.00	-	-	2.00
OTHERS	164.64	19.80	5.25	189.69	0.52	0.17	190.38
Neug	103.09	12.36	-	115.45	-	-	115.45
Linseed	50.24	3.92	-	54.16	0.33	0.05	54.54
Fenugreek	9.14	0.57	-	9.71	0.17	0.00	9.88
Rapeseed	2.17	0.37	3.30	5.84	-	0.02	5.86
Sunflower	-	0.66	1.46	2.12	-	0.10	2.22
Groundnuts	-	0.72	0.49	1.21	-	-	1.21
Sesame	-	1.20	-	1.20	0.02	-	1.22
TOTAL	4783.20	342.84	172.25	5278.29	684.19	19.33	5981.81

\* Excluding Eritrea and Tigray

ESTIMATES OF PRODUCTION OF MAJOR CROPS IN ETHIOPIA  
IN 1987/88 (1980 E.C)

Table 2

THOUSAND QUINTALS

C R O P	MAIN SEASON				BELG SEASON		TOTAL
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVE	STATE FARMS	TOTAL	PRIVATE	PRODUCERS COOPERATIVES	BOTH SEASONS
CEREALS	48142.01	2961.14	2843.37	53946.52	7223.28	199.78	61369.68
Teff	9233.95	446.54	1.88	9682.37	313.46	4.47	10000.30
Barley	7588.22	471.34	208.67	8268.23	4332.62	87.88	12688.73
Wheat	5949.70	734.51	731.72	7415.93	343.30	28.40	7787.63
Maize	15022.20	967.65	1791.00	17780.85	1785.71	73.62	19640.18
Sorghum	8419.51	319.74	110.10	8849.35	246.99	2.62	9098.96
Millet	1589.75	17.82	-	1607.57	50.94	0.03	1658.54
Oats	338.68	3.54	-	342.22	150.36	2.76	495.34
PULSES	4964.68	269.16	41.64	5275.48	234.53	9.42	5519.43
Horse beans	2414.66	79.20	2.68	2496.54	4.11	0.07	2500.72
Chick peas	975.23	75.89	-	1051.12	3.37	1.54	1056.03
Haricot beans	309.67	13.09	35.27	358.03	109.73	4.63	472.39
Field peas	649.09	48.46	-	697.55	33.24	1.89	732.68
Lentils	224.68	7.74	-	232.42	82.29	1.29	316.00
Vetch	391.35	40.41	-	431.76	1.79	0.00	433.55
Soya beans	-	4.37	3.69	8.06	-	-	8.06
OTHERS	680.79	77.62	43.89	802.30	5.25	1.12	808.67
Neug	377.96	45.56	-	423.52	-	-	423.52
Linseed	215.23	11.00	-	226.23	3.84	0.20	230.27
Fenugreek	55.87	2.37	-	58.24	1.39	0.00	59.63
Rapeseed	31.73	2.50	28.61	62.84	-	0.33	63.17
Sunflower	-	3.53	10.80	14.33	-	0.59	14.92
Groundnuts	-	7.15	4.48	11.63	-	-	11.63
Sesame	-	5.51	-	5.51	0.02	-	5.53
TOTAL	53787.48	3307.92	2928.90	60024.30	7463.16	210.32	67697.78

Excluding Eritrea and Tigray

Table 3

IN 1987/88 (1980 E.C)

QUINTAL/HECTARE

C R O P	MAIN SEASON				BELG SEASON		TOTAL
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVE	STATE FARMS	TOTAL	PRIVATE	PRODUCERS COOPERATIVES	BOTH SEASONS
CERDALS	12.13	10.72	20.34	12.27	11.25	11.32	12.14
Teff	7.95	7.38	1.72	7.92	10.65	6.48	7.98
Barley	12.34	9.77	12.19	12.15	11.77	10.51	12.01
Wheat	11.70	10.15	14.29	11.73	15.89	7.12	11.84
Maize	19.23	16.59	30.32	19.79	9.27	18.31	17.93
Sorghum	11.63	9.39	9.73	11.50	19.27	10.48	11.63
Millet	10.42	8.65	-	10.39	27.84	3.00	10.60
Oats	9.43	5.71	-	9.36	9.39	8.39	9.37
PULSES	7.77	5.74	5.80	7.62	5.66	6.24	7.50
Horse beans	9.05	5.71	3.48	8.87	10.28	7.00	8.87
Chick peas	7.96	6.23	-	7.80	5.62	6.42	7.79
Haricot beans	5.57	4.03	6.34	5.56	6.29	6.25	5.73
Field peas	6.81	5.41	-	5.69	8.84	5.25	6.76
Lentils	5.21	3.57	-	5.14	4.34	7.17	4.91
Vetch	7.02	7.51	-	7.06	6.88	0.00	7.06
Soya beans	-	3.80	4.34	4.03	-	-	4.03
OTHERS	4.14	3.92	8.36	4.23	10.10	4.8	4.25
Neug	3.67	3.69	-	3.67	-	-	3.67
Linseed	4.28	2.81	-	4.18	11.64	4.00	4.22
Fenugreek	6.11	4.16	-	6.00	8.18	0.00	6.04
Rapeseed	14.62	6.76	8.67	10.76	-	1.50	10.78
Sunflower	-	5.35	7.40	6.76	-	5.90	6.72
Ground nuts	-	9.93	9.14	9.61	-	-	9.61
Sesame	-	4.59	-	4.59	1.00	-	4.53
TOTAL	11.25	9.65	19.24	11.37	10.91	10.88	11.32

Excluding Eritrea and Tigray

Table 4

ESTIMATES OF AREA UNDER MAJOR CROPS IN  
ARSSI REGION IN 1987/88 (1980 E.C)

THOUSAND HECTARES

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	331.29	65.01	28.98	425.28	30.14	455.42
Teff	22.19	1.14	-	23.33	0.20	23.53
Barley	127.17	25.88	5.47	158.52	23.29	181.81
Wheat	118.16	33.91	23.51	175.58	3.19	178.77
Maize	37.26	3.05	-	40.31	2.70	43.01
Sorghum	21.22	1.01	-	22.23	-	22.23
Millet	-	-	-	-	-	-
Oats	5.29	0.02	-	5.31	0.76	6.07
PULSES	33.58	6.64	0.57	40.79	3.99	44.78
Horse beans	14.70	2.15	0.57	17.42	-	17.42
Chick peas	1.50	0.22	-	1.72	-	1.72
Haricot beans	6.83	0.31	-	7.14	-	7.14
Field peas	5.44	3.74	-	9.18	0.39	9.57
Lentils	2.50	0.08	-	2.58	3.60	6.18
Vetch	2.61	0.13	-	2.74	-	2.74
Soya beans	-	0.01	-	0.01	-	0.01
OTHERS	16.14	2.13	1.91	20.18	-	20.18
Neug	0.65	0.07	-	0.72	-	0.72
Linseed	13.18	1.79	-	14.97	-	14.97
Fenugreek	1.38	0.03	-	1.41	-	1.41
Rapeseed	0.93	0.24	1.91	3.08	-	3.08
Sunflower	-	0.00	-	0.00	-	0.00
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	381.01	73.78	31.46	486.25	34.13	520.38

ESTIMATES OF PRODUCTION UNDER MAJOR CROPS  
IN ARSSI REGION IN 1987/88 (1980 E.C)

THOUSAND QUINTALS

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	5410.20	733.48	291.05	6434.73	486.88	6921.61
Teff	187.21	8.33	-	195.54	3.30	198.84
Barley	2409.03	288.06	62.04	2759.13	385.04	3144.17
Wheat	1855.56	389.77	229.01	2474.34	62.17	2536.51
Maize	578.29	38.07	-	616.36	25.72	642.08
Sorghum	315.62	9.10	-	324.72	-	324.72
Millet	-	-	-	-	-	-
Oats	64.49	0.15	-	64.64	10.65	75.29
PULSES	341.31	50.47	1.95	393.73	5.31	339.04
Horse beans	213.21	22.38	1.95	237.54	-	237.54
Chick peas	8.81	0.80	-	9.61	-	9.61
Haricot beans	43.31	1.66	-	44.97	-	44.97
Field peas	41.89	25.00	-	66.89	5.31	72.20
Lentils	12.20	0.21	-	12.41	0.00	12.41
Vetch	21.89	0.35	-	22.24	-	22.24
Soya beans	-	0.07	-	0.07	-	0.07
OTHERS	88.10	7.57	17.23	112.90	-	112.90
Neug	2.33	0.29	-	2.62	-	2.62
Linseed	68.22	5.17	-	73.39	-	73.39
Fenugreek	10.00	0.05	-	10.05	-	10.05
Rapeseed	7.55	2.06	17.23	26.84	-	26.84
Sunflower	-	0.00	-	-0.00	-	0.00
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	5839.61	791.52	310.23	6941.36	492.19	7433.55

Table 6

ESTIMATES OF YIELD UNDER MAJOR CROPS IN  
ARSSI REGION IN 1987/88 (1980 E.C)

QUINTAL/HECTARE

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	16.33	11.28	10.04	15.13	16.15	15.20
Teff	8.44	7.31	-	8.38	16.50	8.45
Barley	18.94	11.13	11.34	17.41	16.53	17.30
Wheat	15.70	11.49	9.74	14.09	19.49	14.19
Maize	15.52	12.49	-	15.29	9.53	14.93
Sorghum	14.87	8.98	-	14.61	-	14.61
Millet	-	-	-	-	-	-
Oats	12.19	9.00	-	12.17	14.01	12.40
PULSES	10.16	7.60	3.42	9.66	1.33	8.91
Horse beans	14.50	10.47	3.42	13.64	-	13.64
Chick peas	5.87	3.64	-	5.59	-	5.59
Haricot beans	6.34	5.32	-	6.30	-	6.29
Field peas	7.70	6.69	-	7.29	13.62	7.54
Lentils	4.88	2.47	-	4.81	0.00	2.01
Vetch	8.39	2.76	-	8.12	-	8.12
Soya beans	-	7.69	-	7.00	-	7.00
OTHERS	5.46	3.56	9.02	5.59	-	5.59
Neug	3.58	4.14	-	3.64	-	3.64
Linseed	5.17	2.89	-	4.90	-	4.90
Fenugreek	7.24	1.67	-	7.13	-	7.13
Rapeseed	8.14	8.58	9.02	8.71	-	8.71
Sunflower	-	0.00	-	0.00	-	0.00
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	15.33	10.73	9.86	14.28	14.42	14.28

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN ARSSI REGION ARBA GUGU AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARES
CEREALS	50.86	767.56	15.09
Teff	5.26	58.14	11.05
Barley	8.76	113.14	12.91
Wheat	18.98	323.78	17.06
Maize	6.05	79.41	13.12
Sorghum	9.99	170.29	17.04
Millet	-	-	-
Oats	1.82	22.80	12.52
PULSES	10.96	109.46	9.99
Horse beans	5.90	73.80	12.50
Chick peas	0.61	1.13	1.85
Haricot beans	2.28	15.32	6.72
Field peas	1.96	17.96	9.16
Lentils	0.21	1.25	5.95
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	1.71	8.62	5.04
Neug	-	-	-
Linseed	1.15	4.01	3.49
Fenugreek	0.05	0.21	4.20
Rapeseed	0.51	4.40	8.63
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	63.53	885.64	13.94

Table 8

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN ARSSI REGION ARBA GUGU AWRAJA IN  
 1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	2.14	22.36	10.49
Teff	0.16	1.29	8.06
Barley	0.86	9.03	10.50
Wheat	0.71	9.13	12.86
Maize	0.21	1.44	6.86
Sorghum	0.19	1.40	7.37
Millet	-	-	-
Oats	0.01	0.07	7.00
PULSES	0.72	5.52	7.67
Horse beans	0.30	2.72	9.07
Chick peas	0.01	0.04	4.00
Haricot beans	0.06	0.22	3.67
Field peas	0.35	2.54	7.26
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.05	0.16	3.20
Neug	0.01	0.00	0.00
Linseed	0.03	0.16	5.33
Fenugreek	-	-	-
Rapeseed	0.01	0.00	0.00
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	2.91	28.04	9.67

Table 9

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN ARSSI REGION CHILALO AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
<b>CEREALS</b>	231.41	3980.55	17.20
Teff	15.14	109.93	7.26
Barley	112.62	2210.22	19.62
Wheat	63.22	1036.95	16.40
Maize	28.95	458.49	15.84
Sorghum	8.77	126.40	14.41
Millet	-	-	-
Oats	2.71	38.56	14.23
<b>PULSES</b>	18.33	193.07	10.53
Horse beans	7.28	122.34	16.80
Chick peas	0.89	27.67	8.62
Haricot beans	4.55	27.99	6.15
Field peas	3.07	22.98	7.48
Lentils	2.18	10.51	4.82
Vetch	0.36	1.58	4.39
Soya beans	-	-	-
<b>OTHERS</b>	5.67	31.75	5.60
Neug	0.04	0.48	12.00
Linseed	5.55	31.02	5.59
Fenugreek	-	-	-
Rapeseed	0.08	0.25	3.13
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
<b>TOTAL</b>	2255.41	4205.37	16.47

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN ARSSI REGION CHILALO AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	43.21	458.67	10.61
Teff	0.81	5.96	7.36
Barley	21.20	222.05	10.47
Wheat	18.35	196.04	10.68
Maize	2.10	27.38	13.04
Sorghum	0.74	7.16	9.68
Millet	-	-	-
Oats	0.01	0.08	8.00
PULSES	4.07	30.63	7.53
Horse beans	1.14	12.94	11.35
Chick peas	0.14	0.32	2.29
Haricot beans	0.24	1.32	5.50
Field peas	2.37	15.58	6.57
Lentils	0.08	0.21	2.63
Vetch	0.09	0.19	2.11
Soya beans	0.01	0.07	7.00
OTHERS	1.25	4.37	3.50
Neug	-	-	-
Linseed	1.00	2.07	2.30
Fenugreek	0.02	0.00	0.00
Rapeseed	0.23	2.05	8.91
Sunflower	0.00	0.02	0.00
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	38.53	483.37	12.55

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN ARSSI REGION TICHO AWRAJA IN  
 1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	49.02	662.09	13.51
Teff	1.78	19.14	10.75
Barley	5.78	85.67	14.82
Wheat	35.95	494.83	13.76
Maize	2.27	40.39	17.79
Sorghum	2.47	18.93	7.66
Millet	-	-	-
Oats	0.77	3.13	4.06
PULSES	4.29	38.78	9.04
Horse beans	1.52	17.07	11.23
Chick peas	-	-	-
Haricot beans	-	-	-
Field peas	0.41	0.95	2.32
Lentils	0.11	0.45	4.09
Vetch	2.25	20.31	9.03
Soya beans	-	-	-
OTHERS	8.76	47.73	5.44
Neug	0.60	1.85	3.08
Linseed	6.49	33.19	5.11
Fenugreek	1.33	9.79	7.36
Rapeseed	0.34	2.90	8.53
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	62.08	748.60	12.06

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN ARSSI REGION TICHO AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	19.66	252.45	12.84
Teff	0.17	1.08	6.35
Barley	3.82	56.98	14.92
Wheat	14.85	184.60	12.43
Maize	0.74	9.24	12.49
Sorghum	0.08	0.55	6.88
Millet	-	-	-
Oats	-	-	-
PULSES	1.85	14.32	7.74
Horse beans	0.71	6.72	9.46
Chick peas	0.07	0.44	6.29
Haricot beans	0.01	0.12	12.00
Field peas	1.02	6.89	6.75
Lentils	-	-	-
Vetch	0.04	0.15	3.75
Soya beans	-	-	-
OTHERS	0.83	3.06	3.67
Neug.	0.06	0.29	4.83
Linseed	0.76	2.72	3.58
Fenugreek	0.01	0.05	5.00
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	22.34	269.83	12.08

Table 13

ESTIMATES OF AREA UNDER MAJOR CROPS IN  
BALE REGION IN 1987/88 (1980 E.C)

THOUSAND HECTARES

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	62.02	11.01	38.75	111.78	38.60	150.38
Teff	4.86	0.05	-	4.91	3.76	8.67
Barley	30.49	2.76	11.56	44.81	11.70	56.51
Wheat	16.88	7.66	27.19	41.73	6.37	58.10
Maize	2.67	0.35	-	3.02	12.12	15.14
Sorghum	0.28	0.02	-	0.30	2.19	2.49
Millet	-	-	-	-	-	-
Oats	6.84	0.17	-	7.01	2.46	9.47
PULSES	5.65	0.62	0.20	6.47	0.95	7.42
Horse beans	0.88	0.05	0.20	1.13	0.03	1.16
Chick peas	0.68	0.44	-	4.23	0.86	5.09
Lentils	0.24	0.03	-	0.27	0.04	0.31
Vetch	-	0.02	-	0.02	0.00	0.02
Soya beans	-	-	-	-	-	-
OTHERS	4.67	0.39	1.39	6.45	0.38	6.83
Neug	0.02	-	-	0.02	-	0.02
Linseed	3.80	0.38	-	4.18	0.23	4.41
Fenugreek	0.85	0.01	-	0.86	0.15	1.01
Rapeseed	-	-	1.39	1.39	-	1.39
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	72.34	12.02	40.34	124.70	39.93	164.63

ESTIMATES OF PRODUCTION UNDER MAJOR CROPS  
IN BALE REGION IN 1987/88 (1980 E.C)

THOUSAND QUINTALS

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCE S COOPERATIVE	STATE FARMS	TOTA		
CEREALS	774.40	111.29	647.15	1532.84	490.93	2023.77
Teff	46.24	0.15	-	46.39	31.49	77.88
Barley	399.11	18.99	146.47	564.57	130.80	695.37
Wheat	204.08	87.23	500.68	791.99	82.03	874.02
Maize	48.11	3.82	-	51.93	190.33	242.26
Sorghum	0.27	0.13	-	0.40	17.52	17.92
Millet	-	-	-	-	-	-
Oats	76.59	0.97	-	77.56	38.76	116.32
PULSES	50.54	2.99	0.73	54.26	6.12	60.38
Horse beans	11.37	0.40	0.73	12.50	0.19	12.69
Chick peas	3.36	0.17	-	3.53	0.16	3.69
Haricot beans	0.24	0.11	-	0.35	0.03	0.38
Field peas	34.15	2.11	-	36.26	5.28	41.54
Lentils	1.42	0.10	-	1.52	0.44	1.96
Vetch	-	0.10	-	0.10	0.02	0.12
Soya beans	-	-	-	-	-	-
OTHERS	20.49	1.03	11.38	32.90	2.83	35.73
Neug	0.16	-	-	0.16	-	0.16
Linseed	17.45	1.00	-	18.45	1.57	20.02
Fenugreek	2.88	0.03	-	2.91	1.26	4.17
Rapeseed	-	-	11.38	11.38	-	11.38
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	845.43	115.31	659.26	1620.00	499.88	2119.88

ESTIMATES OF YIELD UNDER MAJOR CROPS IN  
BALE REGION IN 1987/88 (1980 E.C)

QUINTALS/HECTARE

C R O P	MAIN SEASON				BEIG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVE	STATE FARMS	TOTAL		
CEREALS	12.49	10.11	16.70	13.71	12.72	13.46
Teff	9.52	2.88	-	9.45	8.38	8.98
Barley	13.09	6.88	12.67	12.60	11.18	12.31
Wheat	12.09	11.38	18.41	14.31	12.88	15.04
Maize	18.00	10.94	-	17.20	15.70	16.00
Sorghum	0.95	6.44	-	1.33	8.00	7.20
Millet	-	-	-	-	-	-
Oats	11.20	5.71	-	11.06	15.76	12.28
PULSES	8.95	4.82	3.65	8.39	6.44	8.14
Horse beans	12.94	8.00	3.65	11.06	6.33	10.85
Chick peas	4.93	2.75	-	4.77	16.00	4.92
Haricot beans	4.00	5.50	-	4.39	3.00	4.22
Field peas	9.01	4.75	-	8.57	6.14	8.16
Lentils	5.94	3.64	-	5.63	11.00	6.32
Vetch	-	4.45	-	5.00	10.00	6.00
Soya beans	-	-	-	-	-	-
OTHERS	4.39	2.64	8.19	5.09	7.45	5.23
Neug	6.44	-	-	8.00	-	8.00
Linseed	4.60	2.63	-	4.41	6.33	4.54
Fenugreek	3.39	2.36	-	3.38	8.40	4.13
Rapeseed	-	-	8.19	8.19	-	8.19
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	11.69	9.59	16.34	12.99	12.52	12.88

ESTIMATES OF ARES, PRODUCTION AND YIELD OF MAJOR CROPS  
IN BALE REGION DOLLO AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	3.72	37.05	9.96
Teff	3.45	34.35	9.96
Barley	0.24	2.42	10.08
Wheat	-	-	-
Maize	-	-	-
Sorghum	-	-	-
Millet	-	-	-
Oats	0.03	0.28	9.33
PULSES	-	-	-
Horse beans	-	-	-
Chick peas	-	-	-
Haricot beans	-	-	-
Field peas	-	-	-
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	-	-	-
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	3.72	37.05	9.96

Table 17

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN BALE REGION DOLLO AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.02	0.10	5.00
Teff	0.01	0.06	6.00
Barley	-	-	-
Wheat	-	-	-
Maize	-	-	-
Sorghum	0.01	0.04	4.00
Millet	-	-	-
Oats	-	-	-
PULSES	0.00	0.00	0.00
Horse beans	-	-	-
Chick peas	-	-	-
Haricot beans	0.00	0.00	0.00
Field peas	-	-	-
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	-	-	-
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	0.02	0.10	5.00

Table 18

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN BALE REGION GENALE AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTAR
CEREALS	14.40	168.44	111.69
Teff	0.48	6.20	12.92
Barley	9.18	105.07	11.44
Wheat	4.05	46.04	11.46
Maize	0.32	8.59	26.84
Sorghum	-	-	-
Millet	-	-	-
Oats	0.38	2.54	6.68
PULSES	0.69	8.87	12.86
Horse beans	0.42	6.22	14.81
Chick peas	-	-	-
Haricot beans	-	-	-
Field peas	0.27	2.65	9.81
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	1.76	7.10	4.03
Neug	-	-	-
Linseed	1.76	7.10	4.03
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	16.86	184.41	10.94

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN BALE REGION GENALE AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	4.26	41.88	13.87
Teff	0.03	0.09	3.07
Barley	1.38	6.92	5.02
Wheat	2.84	34.80	12.24
Maize	0.00	0.01	7.00
Sorghum	0.01	0.06	5.5
Millet	-	-	-
Oats	-	-	-
PULSES	0.27	1.34	4.96
Horse beans	0.00	0.00	0.00
Chick peas	0.00	0.00	0.00
Haricot beans	-	-	-
Field peas	0.26	1.33	5.05
Lentils	0.01	0.01	1.19
Vetch	0.00	0.00	0.00
Soya beans	-	-	-
OTHERS	0.20	0.40	2.03
Neug	-	-	-
Linseed	0.20	0.40	2.03
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	4.73	43.62	12.45

Table 20

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN BALE REGION MENDAYO AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA	PRODUCTION	YIELD
	'000 HECTARES	'000 QUINTALS	QUINTALS/HECTARE
CEREALS	31.86	425.33	13.35
Teff	0.09	0.89	9.89
Barley	18.09	246.94	13.65
Wheat	7.78	94.49	12.14
Maize	2.18	36.98	16.96
Sorghum	-	-	-
Millet	-	-	-
Oats	3.72	46.03	12.37
PULSES	3.30	25.12	7.61
Horse beans	0.15	1.50	10.00
Chick peas	0.53	1.87	3.53
Haricot beans	0.04	0.20	5.00
Field peas	2.37	20.23	8.53
Lentils	0.21	1.32	6.29
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	2.58	11.64	4.51
Neug	-	-	-
Linseed	1.83	9.32	5.09
Fenugreek	0.75	2.32	3.09
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	37.74	462.09	12.24

Table 21

## ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS

IN BALE REGION MENDEYU AWRAJA IN

1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	2.64	28.00	10.57
Teff	-	-	-
Barley	1.17	10.43	8.90
Wheat	1.16	13.58	11.68
Maize	0.21	3.23	15.48
Sorghum	0.00	0.03	10.00
Millet	-	-	-
Oats	0.10	0.73	7.01
PULSES	0.16	0.79	4.96
Horse beans	0.03	0.30	10.86
Chick peas	0.01	0.02	1.50
Haricot beans	-	-	-
Field peas	0.11	0.45	3.94
Lentils	0.01	0.02	3.00
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.17	0.57	3.38
Neug	-	-	-
Linseed	0.16	0.55	3.45
Fenugreek	0.01	0.02	2.18
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	2.97	29.36	9.86

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN BALE REGION WABE AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	12.03	143.58	11.94
Teff	0.84	4.80	5.71
Barley	2.98	44.67	14.99
Wheat	5.05	63.55	12.58
Maize	0.17	2.54	14.94
Sorghum	0.28	0.27	0.96
Millet	-	-	-
Oats	2.71	27.75	10.24
PULSES	1.66	16.55	9.97
Horse beans	0.30	3.65	12.17
Chick peas	0.16	1.49	9.31
Haricot beans	0.02	0.04	2.00
Field peas	1.15	11.27	9.80
Lentils	0.03	0.10	3.33
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.33	1.75	5.30
Neug	0.02	0.16	8.00
Einseed	0.21	1.03	4.90
Fenugreek	0.10	0.56	5.60
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	14.02	161.88	11.55

Table 23

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN BALE REGION WABE AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	4.09	41.31	10.10
Teff	0.01	0.00	0.21
Barley	0.21	1.64	7.90
Wheat	3.66	38.85	10.62
Maize	0.14	0.58	4.15
Sorghum	0.00	0.00	0.00
Millet	-	-	-
Oats	0.07	0.24	3.67
PULSES	0.19	0.86	4.49
Horse beans	0.02	0.09	3.91
Chick peas	0.05	0.16	3.51
Haricot beans	0.02	0.11	4.76
Field peas	0.07	0.33	4.90
Lentils	0.01	0.07	6.18
Vetch	0.02	0.10	4.70
Soya beans	-	-	-
OTHERS	0.02	0.06	2.70
Neug	-	-	-
Linseed	0.02	0.05	2.65
Fenugreek	0.00	0.01	3.25
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Seame	-	-	-
TOTAL	4.30	42.23	9.82

ESTIMATES OF AREA UNDER MAJOR CROPS IN  
GAMO GOFA REGION IN 1987/88 (1980 E.C)

THOUSAND HECTARES

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	76.04	0.91	-	76.95	50.57	127.52
Teff	15.83	0.03	-	15.86	3.38	19.24
Barley	21.49	-	-	21.49	3.37	24.86
Wheat	4.56	-	-	4.56	0.11	4.67
Maize	8.74	0.86	-	9.60	34.43	44.03
Sorghum	25.42	0.02	-	25.44	9.27	34.71
Millet	-	-	-	-	0.01	0.01
Oats	-	-	-	-	-	-
PULSES	8.14	0.02	-	8.16	0.87	9.03
Horse beans	2.82	-	-	2.82	0.08	2.90
Chick peas	2.17	0.00	-	2.17	-	2.17
Haricot beans	0.32	0.02	-	0.34	0.51	0.85
Field peas	2.83	-	-	2.83	0.28	3.11
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
OTHERS	-	0.00	-	0.00	-	0.00
Neug	-	-	-	-	-	-
Linseed	-	0.00	-	0.00	-	0.00
Fenugreek	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	0.00	-	0.00	-	0.00
TOTAL	84.18	0.93	-	85.11	51.44	136.55

ESTIMATES OF PRODUCTION UNDER MAJOR CROPS IN  
GAMO GOFA REGION IN 1987/88 (1980 E.C)

THOUSAND QUINTALS

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVE	STATE FARMS	TOTAL		
CEREALS	667.76	12.18	-	679.94	612.79	1292.73
Teff	98.12	0.06	-	98.18	19.66	117.84
Barley	317.90	-	-	317.90	19.74	337.64
Wheat	53.99	-	-	53.99	0.37	54.36
Maize	51.51	12.06	-	63.57	353.15	416.72
Sorghum	146.24	0.06	-	146.30	219.87	366.17
Millet	-	-	-	-	0.00	0.00
Oats	-	-	-	-	-	-
PULSES	71.63	0.02	-	71.65	3.26	74.91
Horse beans	31.03	-	-	31.03	0.70	31.73
Chick peas	13.95	0.00	-	13.95	-	13.95
Haricot beans	2.15	0.02	-	2.17	1.09	3.26
Field peas	24.50	-	-	24.50	1.47	25.97
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
OTHERS	-	0.00	-	0.00	-	0.00
Neug	-	-	-	-	-	-
Linseed	-	0.00	-	0.00	-	0.00
Fenugreek	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	0.00	-	0.00	-	0.00
TOTAL	739.39	12.20	-	751.59	616.05	1367.64

ESTIMATES OF YIELD UNDER MAJOR CROPS IN  
GAMOGOKA REGION IN 1987/88 (1980 E.C)

QUINTALS/HECTARE

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVE	STATE FARMS	TOTAL		
CEREALS	8.78	13.38	-	8.84	12.12	10.14
Teff	6.20	2.00	-	6.19	5.82	6.12
Barley	14.79	-	-	14.79	5.86	13.58
Wheat	11.85	-	-	11.84	3.36	11.64
Maize	5.89	14.02	-	6.62	10.26	9.46
Sorghum	5.75	3.00	-	5.75	23.72	10.55
Millet	-	-	-	-	0.00	0.00
Oats	-	-	-	-	-	-
PTISES	8.80	1.14	-	8.78	3.75	8.30
Horse beans	11.01	-	-	11.00	8.75	10.94
Chick peas	6.44	0.18	-	6.43	-	6.43
Haricot beans	6.83	1.47	-	6.38	2.14	3.84
Field peas	8.67	-	-	8.66	5.25	8.35
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Soya beans	-	-	-	-	-	-
OTHERS	-	0.00	-	0.00	-	0.00
Neug	-	-	-	-	-	-
Linseed	-	0.00	-	0.00	-	0.00
Fenugreek	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	0.00	-	0.00	-	0.00
TOTAL	8.78	13.05	-	8.83	11.98	10.02

## ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS

IN GAMO GOPA REGION GAMO AWRAJA IN

1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.76	9.75	12.84
Teff	0.02	0.01	0.46
Barley	-	-	-
Wheat	-	-	-
Maize	0.74	9.74	13.24
Sorghum	-	-	-
Millet	-	-	-
Oats	-	-	-
PULSES	0.00	0.00	0.00
Horse beans	-	-	-
Chick peas	0.00	0.00	0.00
Haricot beans	-	-	-
Field peas	-	-	-
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	-	-	-
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	0.76	9.75	12.84

Table 28 ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN GAMO GOFFA REGION GARDULA AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.002	0.007	3.69
Teff	0.002	0.007	3.69
Barley	-	-	-
Wheat	-	-	-
Maize	-	-	-
Sorghum	-	-	-
Millet	-	-	-
Oats	-	-	-
PULSES	0.002	0.001	0.67
Horse beans	-	-	-
Chick peas	0.002	0.001	0.67
Haricot beans	-	-	-
Field peas	-	-	-
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	-	-	-
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	0.004	0.008	2.39

Table 29

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN GOMO GOFFA REGION GELEB & HAMERBAKO AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCER COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.12	2.32	18.57
Teff	0.00	0.00	0.00
Barley	-	-	-
Wheat	-	-	-
Maize	0.12	2.32	18.67
Sorghum	-	-	-
Millet	-	-	-
Oats	-	-	-
PULSES	0.01	0.02	2.20
Horse beans	-	-	-
Chick peas	-	-	-
Haricot beans	0.01	0.02	2.20
Field peas	-	-	-
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.00	0.00	0.00
Neug	-	-	-
Linseed	0.00	0.00	0.00
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	0.13	2.34	17.33

Table 30

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN GAMO GOFFA REGION GOFFA AWRAJA IN  
 1987/88 (1980 E.C) FOR PRODUCER COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
<b>CEREALS</b>	0.03	0.10	3.60
Teff	0.01	0.04	3.33
Barley	-	-	-
Wheat	-	-	-
Maize	-	-	-
Sorghum	0.02	0.06	3.83
Millet	-	-	-
Oats	-	-	-
<b>PULSES</b>	0.01	0.00	0.00
Horse beans	-	-	-
Chick peas	-	-	-
Haricot beans	0.01	0.00	0.00
Field peas	-	-	-
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
<b>OTHERS</b>	0.00	0.00	0.00
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	0.00	0.00	0.00
<b>TOTAL</b>	0.04	0.10	2.96

ESTIMATES OF AREA UNDER MAJOR CROPS IN  
GOJAM REGION IN 1987/88 (1980 E.C)

THOUSAND HECTARES

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVE	STATE FARMS	TOTAL		
CEREALS	616.90	76.51	13.22	706.63	21.72	728.35
Teff	265.62	33.10	0.51	299.23	-	299.23
Barley	91.82	7.93	-	99.75	21.72	121.47
Wheat	53.63	14.03	0.13	67.79	-	67.79
Maize	95.26	15.17	10.99	121.42	-	121.42
Sorghum	28.47	5.12	1.59	35.18	-	35.18
Millet	81.81	1.08	-	82.89	-	82.89
Oats	0.29	0.08	-	0.37	-	0.37
PULSES	97.50	16.02	1.48	115.00	-	115.00
Horse beans	42.48	4.05	-	46.53	-	46.53
Chcik peas	24.30	5.68	-	29.98	-	29.98
Haricot beans	0.77	0.58	1.46	2.81	-	2.81
Field peas	14.78	1.30	-	16.08	-	16.08
Lentils	4.39	0.71	-	5.10	-	5.10
Vetch	10.78	2.85	-	13.63	-	13.63
Soya beans	-	0.85	0.02	0.87	-	0.87
OTHERS	48.55	9.66	0.62	58.83	-	58.83
Neug	30.61	7.58	-	38.19	-	38.19
Linseed	16.67	0.78	-	17.45	-	17.45
Fenugreek	0.41	0.10	-	0.51	-	0.51
Rapeseed	0.86	0.01	-	0.87	-	0.87
Sunflower	-	0.60	0.13	0.73	-	0.73
Ground nuts	-	0.58	0.49	1.07	-	1.07
Sesame	-	0.01	-	0.01	-	0.01
TOTAL	762.95	102.19	15.32	889.32	21.72	902.18

ESTIMATES OF PRODUCTION UNDER MAJOR CROPS IN  
GOJJAM REGION IN 1987/88 (1980 E.C)

THOUSAND QUINTALS

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVE	STATE FARMS	TOTAL		
CEREALS	7333.53	986.90	518.11	8838.54	230.70	9069.24
Teff	2365.38	295.17	0.96	2661.51	-	2661.51
Barley	954.55	85.12	-	1039.67	230.70	1270.37
Wheat	580.00	136.47	1.00	717.47	-	717.47
Maize	2200.05	405.28	475.53	3080.86	-	3080.86
Sorghum	296.46	52.11	40.62	389.19	-	389.19
Millet	936.79	11.36	--	948.15	-	948.15
Oats	0.30	1.39	-	1.69	-	1.69
PULSES	850.14	112.39	12.71	975.24	-	975.24
Horse beans	350.60	23.15	-	373.75	-	373.75
Chick peas	284.16	44.93	-	329.09	-	329.09
Haricot beans	7.65	0.61	12.53	20.79	-	20.79
Field peas	73.49	11.25	-	84.74	-	84.74
Lentils	29.28	2.09	-	31.37	-	31.37
Vetch	104.96	27.39	-	132.35	-	132.35
Soya beans	-	2.97	0.18	3.15	-	3.15
OTHERS	196.35	47.43	5.11	248.89	-	248.89
Neug	117.69	34.75	-	152.44	-	152.44
Linseed	58.97	2.35	-	61.32	-	61.32
Fenugreek	2.19	0.40	-	2.59	-	2.59
Rapeseed	17.50	0.04	-	17.54	-	17.54
Sunflower	-	3.32	0.63	3.95	-	3.95
Ground nuts	-	6.57	4.48	11.05	-	11.05
Sesame	-	0.00	-	0.00	-	0.00
TOTAL	8380.02	1146.72	535.93	10062.67	230.70	10293.37

ESTIMATES OF YIELD UNDER MAJOR CROPS IN  
GOJJAM REGION IN 1987/88 (1980 E.C)

QUINTAL/HECTARE

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVE	STATE FARMS	TOTAL		
CEREALS	11.89	12.90	39.19	12.51	10.62	12.45
Teff	8.91	8.92	1.88	8.89	-	8.89
Barley	10.40	10.73	-	10.42	10.62	10.46
Wheat	10.81	9.73	7.69	10.58	-	10.58
Maize	23.10	26.72	43.27	25.37	-	25.37
Sorghum	10.41	10.18	25.55	11.06	-	11.06
Millet	11.45	10.52	-	11.44	-	11.44
Oats	1.04	17.38	-	4.57	-	4.57
PULSES	8.72	7.02	8.59	8.48	-	8.48
Horse beans	8.25	5.70	-	8.03	-	8.03
Chick peas	11.69	7.91	-	10.98	-	10.98
Haricot beans	9.94	1.05	8.58	7.40	-	7.40
Field peas	4.97	8.65	-	5.27	-	5.27
Lentils	6.67	2.94	-	6.15	-	6.15
Vetch	9.74	9.61	-	9.71	-	9.71
Soya beans	-	3.49	9.00	3.62	-	3.62
OTHERS	4.04	4.91	8.24	4.23	-	4.23
Neug	3.84	4.58	-	3.99	-	3.99
Linseed	3.54	3.01	-	3.51	-	3.51
Fenugreek	5.34	4.00	-	5.08	-	5.08
Rapeseed	20.35	4.00	-	20.16	-	20.16
Sunflower	-	5.53	4.85	5.41	-	5.41
Ground nuts	-	11.33	9.14	10.33	-	10.33
Sesame	-	0.00	-	0.00	-	0.00
TOTAL	10.98	11.22	34.98	11.43	10.62	11.41

Table 34

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN GOJJAM REGION AGEW MIDER AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	67.89	712.11	10.49
Teff	35.04	291.34	8.31
Barley	12.42	113.72	9.16
Wheat	1.56	12.85	8.24
Maize	9.44	202.22	21.42
Sorghum	0.08	0.68	8.50
Millet	9.10	91.06	10.01
Oats	0.25	0.24	0.96
PULSES	3.82	24.35	6.37
Horse beans	1.43	8.91	6.23
Chick peas	1.25	7.44	5.95
Haricot beans	0.25	4.19	16.76
Field peas	0.89	3.81	4.28
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	4.86	15.10	3.11
Neug	4.51	14.22	3.15
Linseed	0.30	0.75	2.50
Fenugreek	-	-	-
Rapeseed	0.05	0.13	2.60
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	76.57	751.56	9.82

Table 35

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN GOJJAM REGION AGEW MIDER AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	3.89	34.21	8.79
Teff	1.96	15.51	7.91
Barley	1.41	11.81	8.38
Wheat	0.17	0.97	5.71
Maize	0.19	3.59	18.89
Sorghum	-	-	-
Millet	0.08	0.94	11.75
Oats	0.08	1.39	17.38
PULSES	0.24	0.46	1.92
Horse beans	0.16	0.17	1.06
Chick peas	0.04	0.17	4.25
Haricot beans	-	-	-
Field peas	0.04	0.12	3.00
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.58	2.16	3.72
Neug	0.56	2.12	3.79
Linseed	0.02	0.04	2.00
Fenugreek	0.00	0.00	0.00
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	4.71	36.83	7.82

Table 36

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN GOJJAM REGION BAHIR DAR AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	131.71	1274.97	9.68
Teff	58.37	341.29	5.85
Barley	3.75	10.71	2.86
Wheat	0.99	5.41	5.46
Maize	25.37	479.03	18.88
Sorghum	8.45	62.27	7.37
Millet	34.78	376.26	10.82
Oats	-	-	-
PULSES	18.01	93.94	5.22
Horse beans	3.69	11.97	3.24
Chick peas	4.32	31.24	7.23
Haricot beans	0.24	1.21	5.04
Field peas	6.79	27.42	4.04
Lentils	0.08	0.22	2.75
Vetch	2.89	21.88	7.57
Soya beans	-	-	-
OTHERS	16.59	45.98	2.77
Neug	10.86	30.89	2.86
Linseed	5.60	13.84	2.47
Fenugreek	0.13	1.25	9.62
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	166.31	1414.89	8.51

Table 37

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN GOJJAM REGION BAHIR DAR AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	7.39	74.88	10.13
Teff	3.26	18.53	5.68
Barley	0.89	6.36	7.15
Wheat	0.15	0.94	6.27
Maize	2.12	39.14	18.46
Sorghum	0.07	0.52	7.43
Millet	0.90	9.39	10.43
Oats	-	-	-
PULSES	1.05	5.95	5.67
Horse beans	0.17	0.20	5.88
Chick peas	0.37	2.92	7.89
Haricot beans	-	-	-
Field peas	0.28	0.52	1.86
Lentils	-	-	-
Vetch	0.23	2.31	10.04
Soya beans	0.00	0.00	0.00
OTHERS	1.45	4.41	3.04
Neug	1.35	3.97	2.94
Linseed	0.04	0.13	3.25
Fenugreek	0.06	0.31	5.17
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	9.89	85.24	8.62

Table 38

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN GOJJAM REGION BICHENA AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P S	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
<b>CEREALS</b>	60.20	694.78	11.54
Teff	25.80	256.89	9.96
Barley	10.54	177.83	16.87
Wheat	10.17	158.17	9.78
Maize	3.65	54.48	14.93
Sorghum	4.04	47.41	11.73
Millet	-	-	-
Oats	-	-	-
<b>PULSES</b>	25.66	245.60	9.57
Horse beans	7.28	68.78	9.45
Chick peas	8.48	90.36	10.66
Haricot beans	0.24	2.25	9.37
Field peas	1.41	6.83	4.84
Lentils	3.86	26.46	6.85
Vetch	4.39	50.92	11.60
Soya beans	-	-	-
<b>OTHERS</b>	2.11	7.98	3.78
Neug	1.84	7.30	3.97
Linseed	0.10	0.15	1.50
Fenugreek	0.17	0.53	3.12
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
<b>TOTAL</b>	87.97	948.36	10.78

Table 39

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN GOJJAM REGION BECHENA AWRAJA IN  
 1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	6.63	61.35	9.25
Teff	3.61	32.60	9.03
Barley	0.20	2.16	10.80
Wheat	2.20	19.54	8.88
Maize	0.40	4.37	10.93
Sorghum	0.22	2.68	12.18
Millet	-	-	-
Oats	-	-	-
PULSES	2.63	15.81	6.01
Horse beans	0.71	3.93	5.53
Chick peas	1.00	9.67	9.67
Haricot beans	-	-	-
Field peas	0.20	1.10	5.50
Lentils	0.18	0.53	2.94
Vetch	0.54	0.58	1.07
Soya beans	-	-	-
OTHERS	1.21	5.27	4.36
Neug	1.15	5.17	4.50
Linseed	0.03	0.04	1.33
Fenugreek	0.03	0.06	2.00
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	10.47	82.43	7.87

Table 40

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN GOJJAM REGION DEBRE MARKOS AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	103.18	1169.62	11.34
Teff	46.42	442.71	9.54
Barley	23.47	226.10	9.63
Wheat	13.05	129.62	9.93
Maize	13.69	297.32	21.72
Sorghum	6.21	72.03	11.60
Millet	0.34	1.84	5.41
Oats	-	-	-
PULSES	12.11	87.42	7.22
Horse beans	8.52	69.10	8.11
Chick peas	0.72	7.49	10.40
Haricot beans	-	-	-
Field peas	2.25	7.42	3.30
Lentils	0.07	0.30	4.29
Vetch	0.55	3.11	5.65
Soya beans	-	-	-
OTHERS	11.77	48.15	4.09
Neug	4.32	19.25	4.46
Linseed	7.43	28.78	3.87
Fenugreek	-	-	-
Rapeseed	0.02	0.12	6.00
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	127.06	1305.19	10.27

Table 41

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN GOJJAM REGION DEBRE MARKOS AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	24.71	266.16	10.77
Teff	14.68	143.46	9.77
Barley	1.19	16.25	13.66
Wheat	5.91	56.41	9.54
Maize	2.10	38.60	18.38
Sorghum	0.83	11.44	13.78
Millet	0.00	0.00	0.00
Oats	-	-	-
PULSES	4.83	52.59	10.89
Horse beans	1.12	10.03	8.96
Chick peas	1.57	18.21	11.60
Haricot beans	-	-	-
Field peas	0.29	1.43	4.93
Lentils	0.02	0.08	4.00
Vetch	1.83	22.84	12.48
Soya beans	-	-	-
OTHERS	3.39	20.35	6.00
Neug	3.10	19.21	6.20
Linseed	0.28	1.14	4.07
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	0.01	0.00	0.00
TOTAL	32.93	339.10	10.30

Table 42

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN GOJJAM REGION METEKEL AWRJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	54.81	535.57	9.77
Teff	17.64	141.75	8.04
Barley	0.30	3.52	11.73
Wheat	0.84	17.12	20.38
Maize	6.23	98.87	15.87
Sorghum	8.36	99.69	11.92
Millet	21.44	174.62	8.14
Oats	-	-	-
PULSES	2.13	30.58	14.36
Horse beans	1.84	28.14	15.29
Chick peas	0.16	1.74	10.88
Haricot beans	0.01	0.00	0.00
Field peas	-	-	-
Lentils	0.12	0.70	5.83
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	1.87	7.05	3.77
Neug	1.87	7.05	3.77
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	58.81	573.21	9.75

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN GOJJAM REGION METEKEL AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	5.66	71.93	12.71
Teff	0.16	0.75	4.69
Barley	0.46	6.20	13.48
Wheat	0.18	0.46	2.56
Maize	1.55	34.15	22.03
Sorghum	3.23	29.69	9.19
Millet	0.08	0.68	8.50
Oats	-	-	-
PULSES	1.76	4.38	2.49
Horse beans	-	-	-
Chick peas	0.33	0.79	2.39
Haricot beans	0.58	0.61	1.05
Field peas	0.00	0.00	0.00
Lentils	-	-	-
Vetch	-	-	-
Soya beans	0.85	2.97	3.49
OTHERS	1.21	9.99	8.26
Neug	0.03	0.10	3.33
Linseed	0.00	0.00	0.00
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	0.60	3.32	5.53
Ground nuts	0.58	6.57	11.33
Sesame	-	-	-
TOTAL	8.63	86.30	10.00

Table 44

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN GOJJAM REGION KOLA DEGA DAMOT AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	137.83	2081.79	15.10
Teff	55.00	536.26	9.75
Barley	26.81	234.60	8.75
Wheat	10.00	105.31	10.53
Maize	29.99	915.38	30.52
Sorghum	-	-	-
Millet	15.99	290.18	18.15
Oats	0.04	0.06	1.50
PULSES	20.62	225.51	10.94
Horse beans	8.74	63.65	7.28
Chick peas	8.27	132.15	15.98
Haricot beans	-	-	-
Field peas	1.50	11.15	7.43
Lentils	-	-	-
Vetch	2.11	18.56	8.80
Soya beans	-	-	-
OTHERS	7.06	39.14	5.54
Neug	5.00	27.07	5.41
Linseed	1.60	3.32	2.08
Fenugreek	-	-	-
Rapeseed	0.46	8.75	19.02
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	165.51	2346.44	14.18

Table 45

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN GOJJAM REGION KOLA DEGA DAMOT AWRAJA  
 1987/88 (1980 E.C) FOR PRODUCERS' COOPERATIVES

CROP	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	22.46	425.68	18.94
Teff	6.73	58.55	8.64
Barley	3.01	35.95	11.94
Wheat	4.39	51.81	11.80
Maize	8.31	279.02	33.58
Sorghum	-	-	-
Millet	0.02	0.35	17.50
Oats	-	-	-
PULSES	2.83	20.19	7.13
Horse beans	0.86	4.30	5.00
Chick peas	1.57	8.32	5.30
Haricot beans	-	-	-
Field peas	0.39	7.55	19.36
Lentils	-	-	-
Vetch	0.01	0.02	2.00
Soya beans	-	-	-
OTHERS	1.01	3.08	3.05
Neug	1.01	3.03	3.00
Linseed	0.00	0.00	0.00
Fenugreek	-	-	-
Rapeseed	0.00	0.00	0.00
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	26.30	448.95	17.06

Table 46

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN GOJJAM REGION MOTTA AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	61.28	864.69	14.11
Teff	27.35	355.14	12.99
Barley	14.53	188.07	12.94
Wheat	11.02	151.52	13.75
Maize	6.89	152.75	22.17
Sorghum	1.33	14.38	10.81
Millet	0.16	2.83	0.18
Oats	-	-	-
PULSES	15.15	142.74	9.42
Horse beans	10.98	100.05	9.11
Chick peas	1.10	13.74	12.49
Haricot beans	0.03	0.00	0.00
Field peas	1.94	16.86	8.69
Lentils	0.26	1.60	6.15
Vetch	0.84	10.49	12.49
Soya beans	-	-	-
OTHERS	4.29	32.95	7.68
Neug	2.21	11.91	5.39
Linseed	1.64	12.13	7.39
Fenugreek	0.11	0.41	3.73
Rapeseed	0.33	8.50	25.76
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	80.72	1040.38	12.89

Table 47

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN GOJJAM REGION MOTTA AVRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	5.77	52.69	9.13
Teff	2.70	25.77	9.54
Barley	0.77	6.39	8.30
Wheat	1.03	6.34	6.16
Maize	0.50	6.41	12.82
Sorghum	0.77	7.78	10.10
Millet	-	-	-
Oats	-	-	-
PULSES	2.68	13.01	4.85
Horse beans	1.03	4.52	4.39
Chick peas	0.80	4.85	6.06
Haricot beans	-	-	-
Field peas	0.10	0.52	5.20
Lentils	0.51	1.48	2.90
Vetch	0.24	1.64	6.83
Soya beans	-	-	-
OTHERS	0.81	2.17	2.68
Neug	0.38	1.15	3.03
Linseed	0.41	0.99	2.41
Fenugreek	0.01	0.03	3.00
Rapeseed	0.01	0.00	0.00
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	9.26	67.87	7.33

ESTIMATES OF AREA UNDER MAJOR CROPS IN  
GONDER REGION IN 1987/88 (1980 E.C)

THOUSAND HECTARES

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	377.65	7.16	4.00	388.81	141.55	530.36
Teff	127.72	2.39	-	130.11	-	130.11
Barley	64.44	1.94	-	66.38	140.37	206.75
Wheat	29.38	0.77	-	30.15	0.03	30.18
Maize	28.88	0.42	-	29.30	0.20	29.50
Sorghum	90.25	1.35	4.00	95.60	0.95	96.55
Millet	35.10	0.29	-	35.39	-	35.39
Oats	1.88	-	-	1.88	-	1.88
PULSES	111.07	2.89	-	113.96	0.19	114.15
Horse beans	36.54	0.99	-	37.53	-	37.53
Chick peas	33.89	0.99	-	34.88	0.08	34.96
Haricot beans	0.55	-	-	0.55	-	0.55
Field peas	16.10	0.19	-	16.29	0.11	16.40
Lentils	4.99	0.23	-	5.22	-	5.22
Vetch	19.00	0.49	-	19.49	-	19.49
Soya beans	-	0.00	-	0.00	-	0.00
OTHERS	36.99	0.95	-	37.94	-	37.94
Neug	27.34	0.63	-	27.97	-	27.97
Linseed	7.02	0.18	-	7.20	-	7.20
Fenugreek	2.63	0.09	-	2.72	-	2.72
Rapeseed	-	0.01	-	0.01	-	0.01
Sunflower	-	0.04	-	0.04	-	0.04
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	525.71	11.00	4.00	540.71	141.74	682.45

Table 49

ESTIMATES OF PRODUCTION UNDER MAJOR CROPS IN  
GONDER REGION IN 1987/88 (1980 E.C)

THOUSAND QUINTALS

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	3214.98	73.17	6.99	3295.14	433.84	3728.98
Teff	745.40	20.56	-	765.96	-	765.96
Barley	493.03	16.26	-	509.29	425.26	934.55
Wheat	168.04	3.70	-	171.74	0.15	171.89
Maize	364.25	7.13	-	371.38	1.02	372.40
Sorghum	1160.47	21.83	6.99	1189.29	7.41	1196.70
Millet	276.66	3.69	-	280.35	-	280.35
Oats	7.13	0.00	-	7.13	-	7.13
PULSES	644.47	20.74	-	665.21	1.42	666.63
Horse beans	214.13	4.81	-	218.94	-	218.94
Chick peas	262.40	9.23	-	271.63	1.28	272.91
Haricot beans	2.82	-	-	2.82	-	2.82
Field peas	71.73	0.78	-	72.51	0.14	72.65
Lentils	24.05	0.99	-	25.04	-	25.04
Vetch	69.34	4.93	-	74.27	-	74.27
Soya beans	-	0.00	-	0.00	-	0.00
OTHERS	106.60	3.20	-	109.80	--	109.80
Neug	70.53	2.20	-	72.73	-	72.73
Linseed	22.29	0.32	-	22.61	-	22.61
Fenugreek	13.78	0.52	-	14.30	-	14.30
Rapeseed	-	0.02	-	0.02	-	0.02
Sunflower	-	0.14	-	0.14	-	0.14
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	--	-	-
TOTAL	3966.05	97.11	6.99	4070.15	435.26	4505.41

Table 50

ESTIMATES OF YIELD UNDER MAJOR CROPS  
IN GONDER REGION IN 1987/88 (1980 E.C)

QUINTAL/HECTARE

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
<b>CEREALS</b>	8.51	10.22	1.75	8.47	3.06	7.03
Teff	5.84	8.60	-	5.89	-	5.89
Barley	7.65	8.38	-	7.67	3.03	4.52
Wheat	5.72	4.81	-	5.70	5.00	5.70
Maize	12.61	16.98	-	12.68	5.10	12.62
Sorghum	12.86	16.17	1.75	12.44	7.80	12.39
Millet	7.88	12.72	-	7.92	-	7.92
Oats	3.79	-	-	3.79	-	3.79
<b>PULSES</b>	5.80	7.18	-	5.84	7.47	5.84
Horse beans	5.86	4.86	-	5.83	-	5.83
Chick peas	7.74	9.32	-	7.79	16.00	7.81
Haricot beans	5.12	-	-	5.13	-	5.13
Field peas	4.45	4.10	-	4.45	1.27	4.43
Lentils	4.82	4.30	-	4.80	-	4.80
Vetch	3.65	10.06	-	3.81	-	3.81
Soya beans	-	0.00	-	0.00	-	0.00
<b>OTHERS</b>	2.88	3.37	-	2.89	-	2.89
Neug	2.58	3.49	-	2.60	-	2.60
Linseed	3.18	1.78	-	3.14	-	3.14
Fenugreek	5.24	5.78	-	5.26	-	5.28
Rapeseed	-	2.00	-	2.00	-	2.00
Sunflower	-	3.50	-	3.50	-	3.50
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
<b>TOTAL</b>	7.54	8.83	1.75	7.53	3.03	6.60

Table 51

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN GONDER REGION CHILEGA AWRAJA IN  
 1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.34	3.08	9.06
Teff	0.15	1.22	8.13
Barley	0.04	0.42	10.50
Wheat	-	-	-
Maize	0.01	0.23	23.00
Sorghum	0.14	1.21	8.64
Millet	-	-	-
Oats	-	-	-
PULSES	0.16	0.95	5.94
Horse beans	0.05	0.21	4.20
Chick peas	0.10	0.73	7.30
Haricot beans	-	-	-
Field peas	0.01	0.01	1.00
Lentils	-	-	-
Vetch	0.00	0.00	0.00
Soya beans	-	-	-
OTHERS	0.03	0.05	1.67
Neug	0.03	0.05	1.67
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	0.00	0.00	0.00
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	0.53	4.08	7.72

Table 52

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN GONDER REGION DEBRE TAVOR AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	2.86	29.04	10.15
Teff	1.13	11.60	10.27
Barley	0.70	4.96	7.09
Wheat	0.32	1.90	5.94
Maize	0.29	4.42	15.24
Sorghum	0.19	2.98	15.68
Millet	0.23	3.18	13.83
Oats	-	-	-
PULSES	1.33	10.59	7.96
Horse beans	0.44	2.30	5.23
Chick peas	0.34	3.96	11.65
Haricot beans	-	-	-
Field peas	0.04	0.37	9.25
Lentils	0.15	0.70	4.67
Vetch	0.36	3.26	9.06
Soya beans	-	-	-
OTHERS	0.56	1.61	2.88
Neug	0.45	1.42	3.16
Linseed	0.10	0.17	1.70
Fenugreek	-	-	-
Rapeseed	0.01	0.02	2.00
Sunflower	0.00	0.00	0.00
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	4.75	41.24	8.68

Table 53

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN GONDER REGION GAINI AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	1.79	14.22	7.94
Teff	0.39	2.04	5.23
Barley	1.00	9.86	9.86
Wheat	0.34	1.48	4.35
Maize	-	-	-
Sorghum	0.06	0.84	14.00
Millet	-	-	-
Oats	-	-	-
PULSES	0.77	5.38	6.99
Horse beans	0.49	2.29	4.67
Chick peas	0.14	1.39	9.93
Haricot beans	-	-	-
Field peas	0.01	0.00	0.00
Lentils	0.05	0.14	2.80
Vetch	0.08	1.56	19.50
Soya beans	-	-	-
OTHERS	0.20	0.92	4.60
Neug	0.08	0.38	4.75
Linseed	0.06	0.11	1.83
Fenugreek	0.06	0.43	7.17
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	2.76	20.52	7.43

Table 54

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN GONDER REGION GONDER AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	1.38	20.25	14.67
Teff	0.50	4.33	8.66
Barley	0.03	0.05	1.67
Wheat	-	-	-
Maize	0.02	0.64	32.00
Sorghum	0.82	15.09	18.40
Millet	0.01	0.14	14.00
Oats	-	-	-
PULSES	0.32	2.35	7.34
Horse beans	0.01	0.01	1.00
Chick peas	0.30	2.33	7.77
Haricot beans	-	-	-
Field peas	-	-	-
Lentils	0.00	0.00	0.00
Vetch	0.01	0.01	1.00
Soya beans	-	-	-
OTHERS	0.08	0.39	4.88
Neug	0.03	0.24	8.00
Linseed	-	-	-
Fenugreek	0.01	0.01	1.00
Rapeseed	-	-	-
Sunflower	0.04	0.14	3.50
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	1.78	22.99	12.92

Table 55

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN GONDER REGION LIBO AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.52	5.00	9.62
Teff	0.20	1.32	6.60
Barley	0.02	0.02	1.00
Wheat	0.02	0.05	2.50
Maize	0.08	1.53	19.13
Sorghum	0.14	1.71	12.21
Millet	0.06	0.37	6.17
Oats	0.00	0.00	0.00
PULSES	0.14	0.89	6.36
Horse beans	0.00	0.00	0.00
Chick peas	0.09	0.77	8.56
Haricot beans	-	-	-
Field peas	0.00	0.00	0.00
Lentils	0.01	0.02	2.00
Vetch	0.04	0.10	2.50
Soya beans	0.00	0.00	0.00
OTHERS	0.04	0.11	2.75
Neug	0.04	0.11	2.75
Linseed	-	-	-
Fenugreek	0.00	0.00	0.00
Sunflower	-	-	-
Rapeseed	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	0.70	6.00	8.57

Table 56

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN GONDER REGION SEMEN AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.16	0.92	5.75
Teff	-	-	-
Barley	0.11	0.75	6.82
Wheat	0.05	0.17	3.40
Maize	-	-	-
Sorghum	-	-	-
Millet	-	-	-
Oats	-	-	-
PULSES	0.10	0.34	3.40
Horse beans	-	-	-
Chick peas	-	-	-
Haricot beans	-	-	-
Field peas	0.10	0.34	3.40
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.01	0.03	3.00
Neug	-	-	-
Linseed	0.01	0.03	3.00
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	0.27	1.29	4.78

Table 57

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN GONDER REGION WAGERA AWRAJA IN  
 1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.11	0.66	6.00
Teff	0.01	0.05	5.00
Barley	0.04	0.20	5.00
Wheat	0.04	0.10	2.50
Maize	0.02	0.31	15.50
Sorghum	-	-	-
Millet	-	-	-
Oats	-	-	-
PULSES	0.07	0.24	3.43
Horse beans	-	-	-
Chick peas	0.02	0.05	2.50
Haricot beans	-	-	-
Field peas	0.03	0.06	2.00
Lentils	0.02	0.13	6.50
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.03	0.09	3.00
Neug	-	-	-
Linseed	0.01	0.01	1.00
Fenugreek	0.02	0.08	4.00
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	0.21	0.99	4.71

ESTIMATES OF AREA UNDER MAJOR CROPS IN  
HARARGHE REGION IN 1987/88 (1980 E.C)

THOUSAND HECTARES

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	267.34	16.08	0.31	283.73	43.04	326.77
Teff	16.60	0.73	-	17.33	0.71	18.04
Barley	8.67	0.21	-	8.88	17.00	25.88
Wheat	9.86	0.92	0.31	11.09	2.75	13.84
Maize	63.24	7.90	-	71.14	21.15	92.29
Sorghum	164.26	6.32	-	170.58	0.02	170.60
Millet	0.06	-	-	0.06	-	0.06
Oats	4.65	0.00	-	4.65	1.41	6.06
PULSES	24.39	1.37	-	25.76	4.03	29.79
Horse beans	7.86	0.22	-	8.08	-	8.08
Chick peas	5.19	0.79	-	5.98	-	5.98
Haricot beans	4.11	0.11	-	4.22	3.60	7.82
Field peas	3.91	0.17	-	4.08	0.43	4.51
Lentils	0.93	0.02	-	0.95	-	0.95
Vetch	2.39	0.06	-	2.45	-	2.45
Soya beans	-	-	-	-	-	-
OTHERS	0.88	0.16	-	1.04	0.02	1.06
Neug	-	-	-	-	-	-
Linseed	0.16	0.00	-	0.16	-	0.16
Fenugreek	0.72	0.04	-	0.76	-	0.76
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	0.12	-	0.12	-	0.12
Sesame	-	-	-	-	0.02	0.02
TOTAL	292.61	17.61	0.31	310.53	47.09	357.62

Table 59

ESTIMATES OF PRODUCTION UNDER MAJOR CROPS IN  
HARARGHE REGION IN 1987/88 (1980 E.C)

THOUSAND QUINTALS

C R O P	MAIN SEASON				BELG SEASON	TOTAL
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		BOTH SEASONS
CEREALS	3079.02	262.91	0.00	3341.93	342.38	3684.31
Teff	177.20	6.60	-	183.80	8.39	192.19
Barley	86.12	1.77	-	87.89	144.89	232.78
Wheat	137.77	11.07	0.00	148.84	35.65	184.49
Maize	929.71	145.41	-	1075.12	146.54	1221.66
Sorghum	1712.39	98.06	-	1810.45	-	1810.52
Millet	0.00	-	-	0.00	-	0.00
Oats	35.83	0.00	-	35.83	6.84	42.67
PULSES	230.10	6.71	-	236.81	30.04	266.85
Horse beans	116.96	1.60	-	118.56	-	118.56
Chick peas	9.31	2.81	-	12.12	-	12.12
Haricot beans	42.17	0.83	-	43.00	27.62	70.62
Field peas	51.75	1.16	-	52.91	2.42	55.33
Lentils	2.22	0.04	-	2.26	-	2.26
Vetch	7.69	0.27	-	7.96	-	7.96
Soya beans	-	-	-	-	-	-
OTHERS	7.79	0.71	-	8.50	0.02	8.52
Neug	-	-	-	-	-	-
Linseed	0.57	0.00	-	0.57	-	0.57
Fenugreek	7.22	0.19	-	7.41	-	7.41
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	0.52	-	0.52	-	0.52
Sesame	-	0.00	-	0.00	0.02	0.02
TOTAL	3316.91	270.33	0.00	3587.24	372.44	3959.68

Table 60

ESTIMATES OF YIELD UNDER MAJOR CROPS IN  
HARARGHE REGION IN 1987/88 (1980 E.C)

QUINTAL/HECTARE

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	11.52	16.35	0.00	11.78	7.95	11.27
Teff	10.67	9.04	-	10.61	11.82	10.65
Barley	9.93	8.43	-	9.90	8.52	8.99
Wheat	13.97	12.03	0.00	13.42	12.96	13.33
Maize	14.70	18.41	-	14.11	6.93	13.24
Sorghum	10.42	15.52	-	10.61	3.50	10.61
Millet	0.00	-	-	0.00	-	0.00
Oats	7.71	-	-	7.71	4.85	7.04
PULSES	9.43	4.90	-	9.91	7.45	8.96
Horse beans	14.88	7.27	-	14.67	-	14.67
Chick peas	1.79	3.56	-	2.03	-	2.03
Haricot beans	10.26	7.55	-	10.19	7.67	9.03
Field peas	13.24	6.82	-	12.97	5.63	12.27
Lentils	2.39	2.00	-	2.38	-	2.38
Vetch	3.22	4.50	-	3.25	-	3.25
Soya beans	-	-	-	-	-	-
OTHERS	8.85	4.44	-	8.17	1.00	8.04
Neug	-	-	-	-	-	-
Linseed	3.56	0.00	-	3.56	-	3.56
Fenugreek	10.03	4.75	-	9.75	-	9.75
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	4.33	-	4.33	-	4.33
Sesame	-	0.00	-	0.00	1.00	1.00
TOTAL	11.34	15.35	0.00	11.55	7.91	11.07

Table 61

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN HARARGHE REGION CHERCHER AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	5.63	90.36	16.05
Teff	0.18	2.02	11.22
Barley	0.09	0.87	9.67
Wheat	0.21	2.35	11.19
Maize	1.10	13.95	12.68
Sorghum	4.05	71.17	17.57
Millet	-	- 0	-
Oats	0.00	0.00	0.00
PULSES	0.67	3.26	4.87
Horse beans	0.09	0.63	7.00
Chick peas	0.41	1.20	2.93
Haricot beans	0.04	0.57	14.25
Field peas	0.09	0.71	7.87
Lentils	0.02	0.04	2.00
Vetch	0.02	0.11	5.50
Soya beans	-	-	-
OTHERS	0.00	0.00	0.00
Neug	-	-	-
Linseed	0.00	0.00	0.00
Fenugreek	0.00	0.00	0.00
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	0.00	0.00	0.00
TOTAL	6.30	93.62	14.86

Table 62

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN HARERGHE REGION 'DIRE DAWA AWRAJA IN  
 1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA	PRODUCTION	YIELD
	'000 HECTARES	'000 QUINTALS	QUINTALS/HECTARE
CEREALS	0.04	0.00	0.00
Teff	-	-	-
Barley	-	-	-
Wheat	-	-	-
Maize	-	-	-
Sorghum	0.04	0.00	0.00
Millet	-	-	-
Oats	-	-	-
PULSES	-	-	-
Horse beans	-	-	-
Chick peas	-	-	-
Haricot beans	-	-	-
Field peas	-	-	-
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	-	-	-
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	0.04	0.00	0.00

Table 63

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN HARARGHE REGION GARA MULETA AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.38	3.04	8.03
Teff	0.04	0.19	4.75
Barley	0.00	0.00	0.00
Wheat	0.08	0.51	6.38
Maize	0.13	1.10	8.46
Sorghum	0.13	1.24	9.54
Millet	-	-	-
Oats	-	-	-
PULSES	0.00	0.00	0.00
Horse beans	0.00	0.00	0.00
Chick peas	0.00	0.00	0.00
Haricot beans	-	-	-
Field peas	0.00	0.00	0.00
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.00	0.00	0.00
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	0.38	3.04	8.00

Table 64

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN HARARGHE REGION GURSUM AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.61	1.97	3.23
Teff	0.02	0.04	2.00
Barley	0.04	0.14	3.50
Wheat	0.00	0.00	0.00
Maize	0.37	0.81	2.19
Sorghum	0.18	0.98	5.44
Millet	-	-	-
Oats	0.00	0.00	0.00
PULSES	0.05	0.03	0.60
Horse beans	-	-	-
Chick peas	0.03	0.03	1.00
Haricot beans	0.02	0.00	0.00
Field peas	-	-	-
Lentils	0.00	0.00	0.00
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.10	0.27	2.70
Neug	-	-	-
Linseed	0.00	0.00	0.00
Fenugreek	0.00	0.00	0.00
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	0.10	0.27	2.70
Sesame	-	-	-
TOTAL	0.76	2.27	2.99

Table 65

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN HARARGHE REGION HABRO AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	2.03	21.13	10.41
Teff	0.47	4.12	8.77
Barley	0.01	0.07	7.00
Wheat	0.01	0.19	19.00
Maize	0.98	11.59	11.83
Sorghum	0.56	5.16	9.21
Millet	-	-	-
Oats	0.00	0.00	0.00
PULSES	0.29	1.06	3.66
Horse beans	-	-	-
Chick peas	0.22	0.79	3.59
Haricot beans	0.03	0.11	3.67
Field peas	0.00	0.00	0.00
Lentils	-	-	-
Vetch	0.04	0.16	4.00
Soya beans	-	-	-
OTHERS	0.04	0.19	4.75
Neug	-	-	-
Linseed	-	-	-
Fenugreek	0.04	0.19	4.75
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	0.00	0.00	0.00
Sesame	0.00	0.00	0.00
TOTAL	2.36	22.38	9.49

Table 66

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN HARARGHE REGION HARARE ZURIA AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	6.11	123.22	20.17
Teff	0.00	0.00	0.00
Barley	0.05	0.46	9.20
Wheat	0.43	4.57	10.63
Maize	4.76	106.95	22.47
Sorghum	0.87	11.24	12.92
Millet	-	-	-
Oats	-	-	-
PULSES	0.06	0.28	4.67
Horse beans	0.00	0.00	0.00
Chick peas	0.06	0.28	4.67
Haricot beans	0.00	0.00	0.00
Field peas	0.00	0.00	0.00
Lentils	0.00	0.00	0.00
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.02	0.25	12.50
Neug	-	-	-
Linseed	0.00	0.00	0.00
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	0.02	0.25	12.50
Sesame	-	-	-
TOTAL	6.19	123.75	19.99

## ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS

IN HARARGHE REGION JIJIGA AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.05	0.27	5.40
Teff	0.00	0.00	0.00
Barley	-	-	-
Wheat	-	-	-
Maize	0.05	0.27	5.40
Sorghum	-	-	-
Millet	-	-	-
Oats	-	-	-
PULSES	0.00	0.00	0.00
Horse beans	-	-	-
Chick peas	0.00	0.00	0.00
Haricot beans	-	-	-
Field peas	-	-	-
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.00	0.00	0.00
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	0.00	0.00	0.00
Sesame	-	-	-
TOTAL	0.05	0.27	5.40

Table 68

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN HARARGHE REGION WOBERA AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA	PRODUCTION	YIELD
	'000 HECTARES	'000 QUINTALS	QUINTALS/HECTARE
CEREALS	1.23	22.92	18.63
Teff	0.02	0.23	11.50
Barley	0.02	0.23	11.50
Wheat	0.19	3.45	18.16
Maize	0.51	10.74	21.16
Sorghum	0.49	8.27	16.88
Millet	-	-	-
Oats	0.00	0.00	0.00
PULSES	0.30	2.08	6.93
Horse beans	0.13	0.97	7.46
Chick peas	0.07	0.51	7.29
Haricot beans	0.02	0.15	7.50
Field peas	0.08	0.45	5.63
Lentils	0.00	0.00	0.00
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	-	-	-
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	1.53	25.00	16.34

Table 69

ESTIMATES OF AREA UNDER MAJOR CROPS IN  
ILUBABOR REGION IN 1987/88 (1980 E.C)

THOUSAND HECTARES

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	115.88	3.87	1.35	121.10	13.95	135.05
Teff	45.10	0.87	-	45.97	0.15	46.12
Barley	5.52	0.15	-	5.67	0.83	6.50
Wheat	2.65	0.04	-	2.69	-	2.69
Maize	41.16	1.96	0.28	43.40	10.77	54.17
Sorghum	18.76	0.81	1.07	20.64	0.38	21.02
Millet	2.66	0.04	-	2.70	1.82	4.52
Oats	0.03	-	-	0.03	-	0.03
PULSES	5.97	0.49	-	6.46	0.09	6.55
Horse beans	3.02	0.30	-	3.32	0.09	3.41
Chick peas	0.26	0.02	-	0.28	-	0.28
Haricot beans	0.42	0.00	-	0.42	-	0.42
Field peas	2.25	0.17	-	2.42	-	2.42
Lentils	-	-	-	-	-	-
Vetch	0.02	0.00	-	0.02	-	0.02
Soya beans	-	0.00	-	0.00	-	0.00
OTHERS	0.37	0.02	-	0.39	-	0.39
Neug	0.33	0.02	-	0.35	-	0.35
Linseed	0.04	0.00	-	0.04	-	0.04
Fenugreek	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	0.00	-	0.00	-	0.00
TOTAL	122.22	4.38	1.35	127.95	14.04	141.99

Table 70

ESTIMATES OF PRODUCTION UNDER MAJOR CROPS IN  
ILUBABOR REGION IN 1987/88 (1980 E.C)

THOUSAND QUINTALS

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS- COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	1597.77	31.67	14.94	1644.38	246.29	1890.67
Teff	355.03	2.91	-	357.94	0.53	358.47
Barley	38.70	0.65	-	39.36	4.39	43.75
Wheat	19.60	0.12	-	19.72	-	19.72
Maize	881.33	21.85	4.59	907.77	188.45	1096.22
Sorghum	282.98	5.97	10.35	299.30	1.98	301.28
Millet	19.77	0.17	-	19.94	50.94	70.88
Oats	0.35	-	-	0.35	-	0.35
PULSES	22.45	1.26	-	23.71	0.45	24.16
Horse beans	11.31	0.87	-	12.18	0.45	12.63
Chick peas	1.73	0.04	-	1.77	-	1.77
Haricot beans	3.01	0.00	-	3.01	-	3.01
Field peas	6.36	0.35	-	6.71	-	6.71
Lentils	-	-	-	-	-	-
Vetch	0.04	0.00	-	0.04	-	0.04
Soya beans	-	0.00	-	0.00	-	0.00
OTHERS	1.28	0.05	-	1.33	-	1.33
Neug	1.22	0.05	-	1.27	-	1.27
Linseed	0.06	0.00	-	0.06	-	0.06
Fenugreek	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	-	-	-	-	-
TOTAL	1621.50	32.98	14.94	1669.42	246.74	1916.16

Table 71

ESTIMATES OF YIELD OF MAJOR CROPS IN  
ILUBABOR REGION IN 1987/88 (1980'E.C)

QUINTAL/HECTARE

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	13.79	8.18	11.07	13.58	17.66	14.00
Teff	7.87	3.34	-	7.79	3.53	7.77
Barley	7.01	4.33	-	6.94	5.29	6.73
Wheat	7.40	3.00	-	7.20	-	7.33
Maize	21.41	11.15	16.39	20.92	17.50	20.24
Sorghum	15.08	7.37	9.67	14.50	5.21	14.33
Millet	7.43	4.25	-	7.39	27.99	15.68
Oats	11.67	-	-	11.67	-	11.67
PULSES	3.76	2.57	-	3.67	5.00	3.69
Horse beans	3.75	2.90	-	3.67	5.00	3.70
Chick peas	6.65	2.00	-	6.32	-	6.32
Haricot beans	7.17	0.00	-	7.17	-	7.17
Field peas	2.83	2.06	-	2.77	-	2.77
Lentils	-	-	-	-	-	-
Vetch	2.00	0.00	-	2.00	-	2.00
Soya beans	-	0.00	-	0.00	-	0.00
OTHERS	3.46	2.50	-	3.41	-	3.41
Neug	3.70	2.50	-	3.63	-	3.63
Linseed	1.50	0.00	-	1.50	-	1.50
Fenugreek	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Sesame	-	0.00	-	0.00	-	0.00
TOTAL	13.27	7.55	11.07	13.05	17.57	13.50

Table 72

-77-

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN ILLUBABUR REGION BUNO AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTAREAS	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	63.50	842.33	13.27
Teff	30.33	264.61	8.72
Barley	4.03	28.21	7.00
Wheat	1.71	11.72	6.85
Maize	17.59	396.54	22.54
Sorghum	8.26	124.63	15.09
Millet	1.55	16.27	10.50
Oats	0.03	0.35	11.67
PULSES	2.81	12.55	4.46
Horse beans	1.18	6.74	5.71
Chick peas	0.03	0.13	4.33
Haricot beans	-	-	-
Field peas	1.60	5.68	3.55
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.35	1.28	3.66
Neug	0.33	1.22	3.70
Linseed	0.02	0.06	3.00
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	66.66	849.42	12.74

Table 73

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN ILLUBABUT REGION BUNO AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCER COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	1.88	13.41	7.13
Teff	0.65	2.43	3.74
Barley	0.10	0.46	4.60
Wheat	0.03	0.08	2.67
Maize	0.72	7.40	10.28
Sorghum	0.37	3.03	8.19
Millet	0.01	0.01	1.00
Oats	-	-	-
PULSES	0.24	0.70	2.92
Horse beans	0.11	0.41	3.73
Chick peas	0.01	0.01	1.00
Haricot beans	0.00	0.00	0.00
Filed peas	0.12	0.28	2.33
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.01	0.01	1.00
Neug	0.01	0.01	1.00
Linseed	0.00	0.00	0.00
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	2.13	14.12	6.63

Table 74

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN ILLUBABUR REGION GORE AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	10.77	141.86	13.17
Teff	3.12	24.90	7.98
Barley	0.04	0.20	5.00
Wheat	0.26	1.24	4.77
Maize	5.27	88.08	16.72
Sorghum	2.08	27.44	13.19
Millet	-	-	-
Oats	-	-	-
PULSES	0.78	4.75	6.09
Horse beans	0.16	0.47	2.94
Chick peas	0.23	1.60	6.96
Haricot beans	0.31	2.43	7.84
Field peas	0.06	0.21	3.50
Lentils	-	-	-
Vetch	0.02	0.04	2.00
Soya beans	-	-	-
OTHERS	0.02	0.00	0.00
Neug	-	-	-
Linseed	0.02	0.00	0.00
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	11.57	146.61	12.67

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN ILLUBABUR REGION GORE AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.25	1.72	6.88
Teff	0.06	0.15	2.50
Barley	0.01	0.07	7.00
Wheat	-	-	-
Maize	0.15	1.24	8.27
Sorghum	0.03	0.26	8.67
Millet	-	-	-
Oats	-	-	-
PULSES	0.04	0.07	1.75
Horse beans	0.02	0.03	1.50
Chick peas	0.01	0.03	3.00
Haricot beans	0.00	0.00	0.00
Field peas	0.01	0.01	1.00
Lentils	-	-	-
Vetch	0.00	0.00	0.00
Soya beans	-	-	-
OTHERS	0.00	0.00	0.00
Neug	-	-	-
Linseed	0.00	0.00	0.00
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	0.29	1.79	6.17

Table 76

-81-

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN ILLUBABUR REGION MOCHA AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	3.17	36.72	11.66
Teff	0.78	5.07	6.50
Barley	0.43	2.99	6.95
Wheat	0.19	1.40	7.37
Maize	0.57	11.72	20.56
Sorghum	1.20	15.54	12.95
Millet	-	-	-
Oats	-	-	-
PULSES	1.72	3.72	2.16
Horse beans	1.09	3.10	2.84
Chick peas	-	-	-
Haricot beans	0.08	0.51	6.38
Field peas	0.55	0.11	0.20
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	-	-	-
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	4.89	40.44	8.27

Table 77

-82-

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN ILLUBABUR REGION MOCHA AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.38	3.21	8.45
Teff	0.02	0.07	3.50
Barley	0.02	0.07	3.50
Wheat	0.01	0.04	4.00
Maize	0.18	1.85	10.28
Sorghum	0.12	1.02	8.50
Millet	0.03	0.16	5.33
Oats	-	-	-
PULSES	0.05	0.06	1.20
Horse beans	0.03	0.06	2.00
Chick peas	-	-	-
Haricot beans	0.00	0.00	0.00
Field peas	0.02	0.00	0.00
Lentils	-	-	-
Vetch	-	-	-
Soya beans	0.00	0.00	0.00
OTHERS	0.00	0.00	0.00
Neug	-	-	-
Linseed	0.00	0.00	0.00
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Seame	0.00	0.00	0.00
TOTAL	0.43	3.27	7.60

Table 78

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN ILLUBABUR REGION SORE & GEBU AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

-83-

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	38.44	576.86	15.01
Teff	10.87	60.45	5.56
Barley	1.02	7.31	7.17
Wheat	0.49	5.24	10.69
Maize	17.73	384.99	21.71
Sorghum	7.22	115.37	15.98
Millet	1.11	3.60	3.15
Oats	-	-	-
PULSES	0.66	1.43	2.17
Horse beans	0.59	1.00	1.69
Chick peas	-	-	-
Haricot beans	0.03	0.07	2.33
Field peas	0.04	0.36	9.00
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	-	-	-
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	39.10	578.29	15.18

Table 79 ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN ILLUBABUR REGION SOR & GEBA AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	1.36	13.33	9.80
Teff	0.14	0.26	1.86
Barley	0.02	0.05	2.50
Wheat	-	-	-
Maize	0.91	11.36	12.48
Sorghum	0.29	1.66	5.72
Millet	-	-	-
Oats	-	-	-
PULSES	0.16	0.43	2.69
Horse beans	0.14	0.37	2.64
Chick peas	0.00	0.00	0.00
Haricoto beans	-	-	-
Field peas	0.02	0.06	3.00
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.01	0.04	4.00
Neug	0.01	0.04	4.00
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	1.52	13.80	9.08

Table 80

ESTIMATES OF AREA UNDER MAJOR CROPS IN  
KEFFA REGION IN 1987/88 (1980 E.C)

THOUSAND HECTARES

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCER COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	252.83	5.3	0.65	258.81	17.89	276.70
Teff	74.96	1.33	-	76.29	-	76.29
Barley	14.53	0.11	-	14.64	6.81	21.45
Wheat	15.46	0.26	-	15.72	-	15.72
Maize	86.50	2.81	0.65	89.96	10.92	100.88
Sorghum	50.70	0.82	-	51.52	0.01	51.53
Millet	8.24	0.00	-	8.24	0.00	8.24
Oats	2.44	-	-	2.44	0.15	2.59
PULSES	31.09	1.02	-	32.11	3.54	35.65
Horse beans	24.10	0.41	-	24.51	0.00	24.51
Chick peas	0.04	0.00	-	0.04	-	0.04
Haricot beans	1.18	0.06	-	1.24	3.54	4.78
Field peas	5.72	0.48	-	6.20	-	6.20
Lentils	0.05	0.07	-	0.12	-	0.12
Vetch	-	-	-	-	-	-
Soya beans	-	0.00	-	0.00	-	0.00
OTHERS	1.57	0.03	-	1.60	-	1.60
Neug	1.39	0.02	-	1.41	-	1.41
Linseed	0.18	0.01	-	0.19	-	0.19
Fenugreek	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	0.00	-	0.00	-	0.00
Sesame	-	0.00	-	0.00	-	0.00
TOTAL	285.49	6.8	0.65	292.52	21.43	313.95

Table 81

ESTIMATES OF PRODUCTION UNDER MAJOR CROPS IN  
KEFFA REGION IN 1987/88 (1980 E.C)

THOUSAND QUINTALS

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	3935.30	40.32	19.41	3995.03	127.49	4122.52
Teff	707.99	6.11	-	714.10	-	714.10
Barley	179.28	0.79	-	180.07	36.77	216.84
Wheat	169.53	1.99	-	171.52	-	171.52
Maize	2004.33	27.72	19.41	2051.46	87.57	2139.03
Sorghum	721.49	3.71	-	725.20	0.14	725.34
Millet	125.43	0.00	-	125.43	0.00	125.43
Oats	27.25	-	-	27.25	3.01	30.26
PULSES	343.92	2.50	-	346.42	24.22	370.64
Horse beans	270.96	1.48	-	272.44	-	272.44
Chick peas	0.47	0.00	-	0.47	-	0.47
Haricot beans	13.06	0.11	-	13.17	24.22	37.39
Field peas	59.09	0.89	-	59.98	-	59.98
Lentils	0.34	0.02	-	0.36	-	0.36
Vetch	-	-	-	-	-	-
Soya beans	-	0.00	-	0.00	-	0.00
OTHERS	6.17	0.05	-	6.22	-	6.22
Neug	4.44	0.02	-	4.46	-	4.46
Linseed	1.73	0.03	-	1.76	-	1.76
Fenugreek	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	0.00	-	0.00	-	0.00
Sesame	-	0.00	-	0.00	-	0.00
TOTAL	4285.39	42.87	19.41	4347.67	151.71	4499.38

Table 82

ESTIMATES OF YIELD UNDER MAJOR CROPS IN  
KEFFA REGION IN 1987/88 (1980 E.C)

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	15.57	7.56	29.86	15.44	7.13	14.90
Teff	9.44	4.59	-	9.36	-	9.36
Barley	12.34	7.18	-	12.30	5.40	10.11
Wheat	10.97	7.65	-	10.91	-	10.91
Maize	23.17	9.86	29.86	22.80	8.02	21.20
Sorghum	14.23	4.52	-	14.08	14.00	14.08
Millet	15.22	-	-	15.22	-	15.22
Oats	11.17	-	-	11.17	20.07	11.68
PULSES	11.06	2.45	-	10.79	6.84	10.40
Horse beans	11.24	3.61	-	11.12	-	11.12
Chick peas	11.75	0.00	-	11.75	-	11.75
Haricot beans	11.07	1.83	-	10.62	6.84	7.82
Field peas	10.33	1.85	-	9.67	-	9.67
Lentils	6.80	0.29	-	3.00	-	3.00
Vetch	-	-	-	-	-	-
Soya beans	-	0.00	-	0.00	-	0.00
OTHERS	3.93	1.67	-	3.89	-	3.88
Neug	3.19	1.00	-	3.16	-	3.16
Linseed	9.61	3.00	-	9.26	-	9.26
Fenugreek	-	-	-	-	-	-
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-
Ground nuts	-	0.00	-	0.00	-	0.00
Sesame	-	0.00	-	0.00	-	0.00
TOTAL	15.01	6.72	29.86	14.86	7.08	14.33

Table 83

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN KEFFA REGION GIMIRA AWRAJA IN  
 1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA	PRODUCTION	YIELD
	'000 HECTARES	'000 QUINTALS	QUINTALS/HECTARE
CEREALS	6.85	93.11	13.59
Teff	0.98	4.82	4.92
Barley	0.29	3.12	10.76
Wheat	-	-	-
Maize	0.01	0.09	9.00
Sorghum	5.44	83.71	15.39
Millet	0.13	1.37	10.54
Oats	-	-	-
PULSES	0.09	0.50	5.56
Horse beans	-	-	-
Chick peas	-	-	-
Haricot beans	0.09	0.50	5.56
Field peas	-	-	-
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	-	-	-
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	6.94	93.61	13.49

Table 84 ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN KEFFA REGION GIMIRA AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.07	0.24	3.43
Teff	0.01	0.01	1.00
Barley	0.00	0.00	0.00
Wheat	-	-	-
Maize	-	-	-
Sorghum	0.06	0.23	3.83
Millet	0.00	0.00	0.00
Oats	-	-	-
PULSES	-	-	-
Horse beans	-	-	-
Chick peas	-	-	-
Haricot beans	-	-	-
Field peas	-	-	-
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.00	0.00	0.00
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	0.00	0.00	0.00
Sesame	0.00	0.00	0.00
TOTAL	0.07	0.24	3.43

Table 85 ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN KEFFA REGION JIMMA AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDING

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	111.48	1573.36	14.11
Teff	38.50	382.98	9.95
Barley	11.55	148.96	12.90
Wheat	14.40	156.73	10.88
Maize	27.39	650.70	23.76
Sorghum	16.99	204.10	12.01
Millet	0.21	2.65	12.62
Oats	2.44	27.25	11.17
PULSES	15.48	185.85	12.01
Horse beans	13.19	161.11	12.21
Chick peas	-	-	-
Haricot beans	0.10	1.12	11.20
Field peas	2.14	23.28	10.88
Lentils	0.05	0.34	6.80
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.38	2.55	6.71
Neug	0.20	0.82	4.10
Linseed	0.18	1.73	9.61
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	127.34	1761.77	13.84

Table 86

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN KEFFA REGION JIMMA AWRAJA IN  
 1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA	PRODUCTION	YIELD
	'000 HECTARES	'000 QUINTALS	QUINTALS/HECTARE
CEREALS	3.26	29.33	9.00
Teff	0.91	5.02	5.52
Barley	0.09	0.69	7.67
Wheat	0.21	1.90	9.05
Maize	1.68	19.55	11.64
Sorghum	0.37	2.17	5.86
Millet	0.00	0.00	0.00
Oats	-	-	-
PULSES	0.44	1.78	4.05
Horse beans	0.23	1.17	5.09
Chick peas	0.00	0.00	0.00
Haricot beans	0.01	0.04	4.00
Field peas	0.18	0.56	3.11
Lentils	0.02	0.01	0.50
Vetch	-	-	-
Soya beans	0.00	0.00	0.00
OTHERS	0.01	0.03	3.00
Neug	0.00	0.00	0.00
Linseed	0.01	0.03	3.00
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	3.75	31.14	8.39

Table 87

## ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS

IN KEFFA REGION KEFFA AWRAJA IN

1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

-92-

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	47.11	943.44	20.03
Teff	11.94	136.16	11.42
Barley	1.27	16.09	12.67
Wheat	0.50	7.88	15.76
Maize	20.14	536.35	26.63
Sorghum	7.54	133.52	17.71
Millet	5.72	113.44	19.83
Oats	-	-	-
PULSES	8.54	85.95	10.06
Horse beans	6.05	58.02	9.59
Chick peas	-	-	-
Haricot beans	0.57	8.89	15.60
Field peas	1.92	19.04	9.92
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.08	0.37	4.63
Neug	0.08	0.37	4.63
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	55.73	1029.76	18.47

Table 88

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN KEFFA REGION KEFFA AWRAJA IN  
 1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.25	1.50	5.77
Teff	0.04	0.09	2.25
Barley	0.01	0.02	2.00
Wheat	0.00	0.00	0.00
Maize	0.15	1.15	7.67
Sorghum	0.05	0.24	4.80
Millet	0.00	0.00	0.00
Oats	-	-	-
PULSES	0.07	0.10	1.43
Horse beans	0.04	0.07	1.75
Chick peas	-	-	-
Haricot beans	0.01	0.01	1.00
Field peas	0.02	0.02	1.00
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	-	-	-
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	0.32	1.60	5.00

Table 89

-94-

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN KEFFA REGION KULO KONTA AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	22.56	288.92	12.81
Teff	7.59	55.77	7.35
Barley	0.65	6.74	10.37
Wheat	0.09	0.62	6.89
Maize	6.45	96.27	15.01
Sorghum	7.78	129.52	16.65
Millet	-	-	-
Oats	-	-	-
PULSES	5.79	60.12	10.55
Horse beans	4.07	43.51	10.69
Chick peas	-	-	-
Haricot beans	-	-	-
Field peas	1.63	16.61	10.19
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	-	-	-
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	28.26	349.04	12.35

Table 90 - ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN KEFFA REGION KULO KONTA AWRAJA IN  
 1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.78	1.83	2.35
Teff	0.16	0.26	1.63
Barley	0.00	0.00	0.00
Wheat	0.04	0.02	0.50
Maize	0.31	1.04	3.35
Sorghum	0.27	0.51	1.89
Millet	-	-	-
Oats	-	-	-
PULSES	0.45	0.50	1.11
Horse beans	0.12	0.18	1.50
Chick peas	-	-	-
Haricot beans	0.04	0.06	1.50
Field peas	0.24	0.25	1.04
Lentils	0.05	0.01	0.20
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.00	0.00	0.00
Neug	0.00	0.00	0.00
Linseed	0.00	0.00	0.00
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	1.23	2.33	1.89

Table 91

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN KEFFA REGION LIMU AWRAJA IN  
 1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	60.85	994.74	16.35
Teff	15.87	127.46	8.03
Barley	0.68	3.43	5.04
Wheat	0.47	4.30	9.15
Maize	28.70	680.94	23.73
Sorghum	12.95	170.64	13.18
Millet	2.18	7.97	3.66
Oats	-	-	-
PULSES	1.05	9.43	8.98
Horse beans	0.59	6.41	10.86
Chick peas	0.04	0.47	11.75
Haricot beans	0.42	2.55	6.07
Field peas	-	-	-
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	1.11	3.25	2.93
Neug	1.11	3.25	2.93
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	63.01	1007.42	15.99

Table 92 ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN KEFFA REGION LIMU AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA	PRODUCTION	YIELD
	'000 HECTARES	'000 QUINTALS	QUINTALS/HECTARE
CEREALS	0.97	7.42	7.65
Teff	0.21	0.73	3.48
Barley	0.01	0.08	8.00
Wheat	0.01	0.07	7.00
Maize	0.67	5.98	8.93
Sorghum	0.07	0.56	8.00
Millet	-	-	-
Oats	-	-	-
PULSES	0.04	0.11	3.00
Horse beans	0.01	0.06	9.69
Chick peas	0.00	0.00	0.00
Haricot beans	0.00	0.00	0.00
Field peas	0.03	0.05	1.67
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.02	0.02	1.00
Neug	0.02	0.02	1.00
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	1.03	7.55	7.33

Table 93

-98-

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN KEFFA REGION MAJJI AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	3.98	41.72	10.48
Teff	0.08	0.80	10.00
Barley	0.09	0.94	10.44
Wheat	-	-	-
Maize	3.81	39.98	10.49
Sorghum	-	-	-
Millet	-	-	-
Oats	-	-	-
PULSES	0.23	2.07	9.00
Horse beans	0.20	1.91	9.55
Chick peas	-	-	-
Haricot beans	-	-	-
Field peas	0.03	0.16	5.33
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	-	-	-
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	4.21	43.79	10.40

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN KEFFA REGION MAJJI AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.00	0.00	0.00
Teff	-	-	-
Barley	0.00	0.00	0.00
Wheat	0.00	0.00	0.00
Maize	-	-	-
Sorghum	-	-	-
Millet	-	-	-
Oats	-	-	-
PULSES	0.02	0.01	0.50
Horse beans	0.01	0.00	0.00
Chick peas	-	-	-
Haricot beans	-	-	-
Field peas	0.01	0.01	1.00
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	-	-	-
Linseed	-	-	-
Neug	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	0.02	0.01	0.50

Table 95

ESTIMATES OF AREA UNDER MAJOR CROPS IN  
SHOWA REGION IN 1987/88 (1980 E.C)

THOUSAND HECTARES

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVE	STATE FARMS	TOTAL		
CEREALS	1160.97	36.87	8.52	1206.36	65.58	1271.94
Teff	393.13	10.68	0.08	403.89	4.04	407.93
Barley	155.62	6.46	0.09	162.17	52.07	214.24
Wheat	203.66	8.37	0.08	212.11	5.88	217.99
Maize	224.02	7.08	8.27	239.37	3.54	242.91
Sorghum	178.86	4.28	-	183.14	-	183.14
Millet	1.69	0.00	-	1.69	-	1.69
Oats	3.99	0.00	-	3.99	0.05	4.04
PULSES	214.37	8.35	0.75	223.47	9.41	232.88
Horse beans	76.79	2.17	-	78.96	0.20	79.16
Chick peas	45.29	2.83	-	48.12	0.26	48.38
Haricot beans	30.22	0.89	0.75	31.86	0.20	32.06
Field peas	24.27	1.16	-	25.43	1.33	26.82
Lentils	21.61	0.37	-	21.98	7.16	29.14
Vetch	16.19	0.93	-	17.12	0.20	17.32
Soya beans	-	0.00	-	0.00	-	0.00
OTHERS	31.21	1.53	-	32.74	0.01	32.75
Neug	23.03	1.01	-	24.04	-	24.04
Linseed	5.63	0.42	-	6.05	-	6.05
Fenugreek	2.21	0.04	-	2.25	0.01	2.26
Rapeseed	0.34	0.04	-	0.38	-	0.38
Sunflower	-	0.02	-	0.02	-	0.02
Ground nuts	-	0.00	-	0.00	-	0.00
Sesame	-	-	-	-	-	-
TOTAL	1406.55	46.75	9.27	1462.57	75.00	1537.57

Table 96

ESTIMATES OF PRODUCTION UNDER MAJOR CROPS IN  
SHOWA REGION IN 1987/88 (1980 E.C)

THOUSAND QUINTALS

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVE	STATE FARMS	TOTAL		
CEREALS	13193.38	284.26	231.12	13708.76	804.43	14513.19
Teff	3169.26	57.36	0.29	3226.91	45.73	3272.64
Barley	1855.20	45.22	0.16	1900.58	629.15	2529.73
Wheat	2278.90	70.02	1.03	2349.95	94.77	2444.72
Maize	3931.06	86.04	229.64	4246.74	33.76	4280.50
Sorghum	1895.18	25.62	-	1920.80	-	1920.80
Millet	25.99	0.00	-	25.99	-	25.99
Oats	37.79	0.00	-	37.79	1.02	38.81
PULSES	1515.62	30.43	4.51	1550.56	65.85	1616.41
Horse beans	670.27	8.51	-	678.79	2.77	681.56
Chick peas	318.32	10.85	-	329.17	0.41	329.58
Haricot beans	92.66	3.53	4.51	100.70	1.97	102.67
Field peas	190.31	3.46	-	193.77	14.18	207.95
Lentils	108.05	1.61	-	109.66	45.02	154.68
Vetch	136.01	2.47	-	138.48	1.50	139.98
Soya beans	-	0.00	-	0.00	-	0.00
OTHERS	150.65	4.37	-	155.02	0.03	155.05
Neug	101.91	2.66	-	104.57	-	104.57
Linseed	30.48	1.37	-	31.85	-	31.85
Fenugreek	11.74	0.15	-	11.89	0.03	11.92
Repeseed	6.52	0.12	-	6.64	-	6.64
Sunflower	-	0.07	-	0.07	-	0.07
Ground nuts	-	0.00	-	0.00	-	0.00
Sesame	-	-	-	-	-	-
TOTAL	14859.65	319.06	235.63	15414.34	870.31	16284.65

Table 97

ESTIMATES OF YIELD UNDER MAJOR CROPS IN  
SHOWA REGION IN 1987/88 (1980 E.C)

QUINTAL/HECTARE

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVE	STATE FARMS	TOTAL		
CEREALS	11.36	7.71	27.13	11.36	12.27	11.41
Teff	8.06	5.37	3.63	7.99	11.32	8.02
Barley	11.92	7.00	1.78	11.72	12.08	11.31
Wheat	11.19	8.37	12.88	11.08	16.12	11.21
Maize	17.55	12.15	27.77	17.74	9.54	17.62
Sorghum	10.60	5.99	-	10.49	-	10.49
Millet	15.38	0.00	-	15.38	-	15.38
Oats	9.47	0.00	-	9.47	20.40	9.61
PULSES	7.07	3.64	6.01	6.94	7.00	6.94
Horse beans	8.73	3.92	-	8.60	13.85	3.61
Chick peas	7.03	3.83	-	6.84	1.58	6.81
Haricot beans	3.07	3.97	6.01	3.16	9.85	3.20
Field peas	7.84	2.98	-	7.62	10.20	7.75
Lentils	5.00	4.35	-	4.99	6.29	5.31
Vetch	8.40	2.66	-	8.09	7.50	8.08
Soya beans	-	0.00	-	0.00	-	0.00
OTHERS	4.83	2.86	-	4.73	3.00	4.73
Neug	4.43	2.63	-	4.35	-	4.35
Linseed	5.41	3.26	-	5.26	-	5.26
Fenugreek	5.31	3.75	-	5.28	3.00	5.27
Rapeseed	19.18	3.00	-	17.47	-	17.60
Sunflower	-	3.50	-	3.50	-	3.50
Ground nuts	-	0.00	-	0.00	-	0.00
Sesame	-	-	-	-	-	-
TOTAL	10.56	6.82	25.42	10.54	11.60	10.59

Table 98

## ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS

IN SHOA REGION CHEBO & GURAGE AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	91.53	1053.93	11.51
Teff	52.39	466.11	8.90
Barley	8.61	139.50	16.20
Wheat	11.81	108.05	9.15
Maize	10.45	225.65	21.59
Sorghum	7.72	109.42	14.17
Millet	-	-	-
Oats	0.55	5.20	9.45
PULSES	16.04	190.99	11.91
Horse beans	1.17	30.01	25.65
Chick peas	9.09	82.66	9.09
Haricot beans	-	-	-
Field peas	2.18	38.09	17.47
Lentils	0.16	0.75	4.69
Vetch	3.44	39.48	11.48
Soya beans	-	-	-
OTHERS	5.75	21.42	3.73
Neug	5.53	20.65	3.73
Linseed	0.11	0.17	1.55
Fenugreek	0.11	0.60	5.45
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	113.32	1266.34	11.17

Table 99

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN SHOWA REGION CHEBO & GURAGE AWRAJA IN  
 1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARES
CEREALS	4.61	25.24	5.48
Teff	2.07	9.00	4.35
Barley	0.66	3.03	4.59
Wheat	1.10	7.54	6.85
Maize	0.32	2.58	8.06
Sorghum	0.46	3.09	6.72
Millet	-	-	-
Oats	-	-	-
PULSES	1.33	4.70	3.53
Horse beans	0.23	0.77	3.35
Chick peas	0.85	2.81	3.31
Haricot beans	0.01	0.03	3.00
Field peas	0.08	0.29	3.63
Lentils	0.11	0.61	5.55
Vetch	0.05	0.19	3.80
Soya beans	-	-	-
OTHERS	0.21	0.54	2.57
Neug	0.14	0.36	2.57
Linseed	0.07	0.18	2.57
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	6.15	30.48	4.96

Table 100

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN SHOWA REGION HAIKOTCH & BUTAJIRA AWRAJA IN  
 1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
<b>CEREALS</b>	210.67	2495.03	11.84
Teff	41.07	217.45	5.29
Barley	14.74	163.91	11.12
Wheat	22.86	184.22	8.06
Maize	106.25	1681.52	15.83
Sorghum	23.18	213.92	9.23
Millet	0.98	17.58	17.94
Oats	1.59	16.43	10.33
<b>PULSES</b>	32.21	152.59	4.74
Horse beans	6.66	78.31	11.76
Chick peas	2.54	18.97	7.47
Haricot beans	17.48	33.29	1.90
Field peas	1.72	6.56	3.81
Lentils	2.42	3.68	1.52
Vetch	1.39	11.78	8.47
Soya beans	-	-	-
<b>OTHERS</b>	0.53	1.38	2.60
Neug	0.07	0.06	0.86
Linseed	-	-	-
Fenugreek	0.46	1.32	2.87
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
<b>TOTAL</b>	243.41	2649.00	10.88

Table 101

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN SHOWA REGION HAIKOCH & BUTAGERA AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	5.11	41.40	8.10
Teff	0.83	2.10	2.53
Barley	0.07	0.40	5.71
Wheat	0.77	5.25	6.82
Maize	3.00	31.54	10.51
Sorghum	0.44	2.11	4.80
Millet	0.00	0.00	0.00
Oats	-	-	-
PULSES	0.53	1.47	2.77
Horse beans	0.02	0.05	2.50
Chick peas	0.08	0.10	1.25
Haricot beans	0.34	1.22	3.59
Field peas	0.06	0.08	1.33
Lentils	0.01	0.00	0.00
Vetch	0.02	0.02	1.00
Soya beans	-	-	-
OTHERS	0.00	0.00	0.00
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	0.00	0.00	0.00
Sunflower	-	-	-
Ground nuts	0.00	0.00	0.00
Sesame	-	-	-
TOTAL	5.64	42.87	7.60

Table 102 ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN SHOWA REGION JIBAT & MECHA AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA	PRODUCTION	YIELD
	'000 HECTARES	'000 QUINTALS	QUINTALS/HECTARE
CEREALS	164.03	2713.93	16.55
Teff	55.45	596.46	10.76
Barley	30.42	447.47	14.71
Wheat	16.49	237.92	14.43
Maize	34.43	957.08	27.80
Sorghum	26.94	471.78	17.51
Millet	-	-	-
Oats	0.32	3.22	10.73
PULSES	8.88	83.68	9.42
Horse beans	6.30	65.88	10.46
Chick peas	1.43	11.49	8.03
Haricot beans	-	-	-
Field peas	0.69	4.05	5.87
Lentils	0.08	0.32	4.00
Vetch	0.38	1.94	5.11
Soya beans	-	-	-
OTHERS	8.95	52.90	5.91
Neug	7.90	42.19	5.34
Linseed	0.74	4.34	5.86
Fenugreek	-	-	-
Rapeseed	0.31	6.37	20.55
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	181.86	2850.51	15.67

Table 103

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN SHOWA REGION JIBAT & MECHE AWRAJA IN  
 1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	9.26	98.12	10.60
Teff	1.85	18.18	9.83
Barley	4.04	30.46	7.54
Wheat	2.08	25.88	12.44
Maize	1.05	21.59	20.56
Sorghum	0.24	2.01	8.38
Millet	-	-	-
Oats	-	-	-
PULSES	1.00	3.99	3.99
Horse beans	0.35	1.73	4.94
Chick peas	0.06	0.13	2.17
Haricot beans	-	-	-
Field peas	0.54	1.99	3.69
Lentils	0.00	0.00	0.00
Vetch	0.05	0.14	2.80
Soya beans	-	-	-
OTHERS	0.71	2.37	3.34
Neug	0.49	1.64	3.35
Linseed	0.16	0.54	3.38
Fenugreek	-	-	-
Rapeseed	0.04	0.12	3.00
Sunflower	0.02	0.07	3.50
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	10.97	104.48	9.52

## ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS

IN SHOWA REGION KEMBATA & HADYIA AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDING

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	122.59	1937.13	15.80
Teff	33.13	388.79	11.73
Barley	7.76	110.75	14.27
Wheat	32.61	552.50	16.94
Maize	43.19	805.64	18.65
Sorghum	5.20	71.14	13.68
Millet	0.70	8.31	11.87
Oats	-	-	-
PULSES	13.05	141.50	10.84
Horse beans	5.11	63.61	12.45
Chick peas	2.18	16.84	7.72
Haricot beans	2.75	25.69	9.34
Field peas	2.99	35.25	11.79
Lentils	0.02	0.11	5.50
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	-	-	-
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	135.64	2078.63	15.32

## ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS

IN SHOWA REGION KENBATA & HADYA AWRAJA IN  
1987/88 (1980 E.C) for producers cooperatives

C R O P	AREA	PRODUCTION	YIELD
	'000 HECTARES	'000 QUINTALS	QUINTALS/HECTARE
CEREALS	3.05	33.06	10.84
Teff	0.70	2.68	3.83
Barley	0.17	1.63	9.59
Wheat	0.48	4.41	9.19
Maize	1.64	23.80	14.51
Sorghum	0.06	0.54	9.00
Millet	0.00	0.00	0.00
Oats	-	-	-
PULSES	0.75	2.95	3.93
Horse beans	0.19	1.07	5.63
Chick peas	0.03	0.14	4.67
Haricot beans	0.34	1.34	3.94
Field peas	0.13	0.38	2.92
Lentils	0.00	0.00	0.00
Vetch	0.06	0.02	0.33
Soya beans	0.00	0.00	0.00
OTHERS	0.00	0.00	0.00
Neug	-	-	-
Linseed	0.00	0.00	0.00
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	3.80	36.01	9.48

## ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS

IN SHOWA REGION MENAGESHA AWRAJA IN

1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	6.31	36.98	5.86
Teff	2.06	10.07	4.89
Barley	1.21	7.33	6.07
Wheat	2.42	15.86	6.55
Maize	0.02	0.09	4.50
Sorghum	0.60	3.63	6.05
Millet	-	-	-
Oats	0.00	0.00	0.00
PULSES	2.13	9.97	4.68
Horse beans	0.65	3.11	4.78
Chick peas	0.89	4.73	5.31
Haricot beans	-	-	-
Field peas	0.09	0.17	1.89
Lentils	0.18	0.85	4.72
Vetch	0.32	1.11	3.47
Soya beans	-	-	-
OTHERS	0.38	1.09	2.87
Neug	0.21	0.48	2.29
Linseed	0.16	0.58	3.63
Fenugreek	0.01	0.05	3.00
Rapeseed	0.00	0.00	0.00
Sunflower	0.00	0.00	0.00
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	8.82	48.04	5.45

## ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS

IN SHOWA REGION MENAGESHA AWRAJA IN

1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	136.95	1424.49	10.40
Teff	50.23	457.28	9.10
Barley	38.77	405.39	10.46
Wheat	36.97	391.10	10.58
Maize	1.98	48.73	24.61
Sorghum	8.38	114.15	13.62
Millet	0.01	0.10	10.00
Oats	0.61	7.74	12.69
PULSES	27.88	198.21	7.11
Horse beans	8.87	74.76	8.43
Chick peas	10.15	76.80	7.57
Haricot beans	-	-	-
Field peas	1.12	4.89	4.37
Lentils	4.92	18.43	3.75
Vetch	2.82	23.33	8.27
Soya beans	-	-	-
OTHERS	5.44	24.70	4.54
Neug	4.30	19.95	4.64
Linseed	0.92	4.21	4.58
Fenugreek	0.19	0.39	2.05
Rapeseed	0.03	0.15	5.00
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	170.27	1647.40	9.68

Table 108

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN SHOWA REGION MENZE & GESHA AWRAJA IN  
 1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	23.12	187.13	8.09
Teff	4.83	44.63	9.24
Barley	6.79	83.26	12.26
Wheat	9.48	48.98	5.17
Maize	-	-	-
Sorghum	2.02	10.26	5.08
Millet	-	-	-
Oats	-	-	-
PULSES	16.18	139.37	8.61
Horse beans	10.21	97.68	9.57
Chick peas	1.03	1.14	1.11
Haricot beans	-	-	-
Field peas	0.66	5.35	8.11
Lentils	4.28	35.20	8.22
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	1.49	4.16	2.79
Neug	-	-	-
Linseed	1.33	3.50	2.63
Fenugreek	0.16	0.66	4.13
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	40.79	330.66	8.11

Table 109

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN SHOWA REGION MENZE & GESHA AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA		PRODUCTION		YIELD
	'000 HECTARES	'000 QUINTALS	'000 QUINTALS	QUINTALS/HECTARE	
CEREALS	0.10	0.49		4.90	
Teff	0.01	0.11		11.00	
Barley	0.00	0.00		0.00	
Wheat	0.02	0.09		4.50	
Mize	0.04	0.15		3.75	
Sorghum	0.03	0.14		4.67	
Millet	-	-		-	
Oats	-	-		-	
PULSES	0.02	0.09		4.50	
Horse beans	0.01	0.03		3.00	
Chick peas	0.01	0.06		6.00	
Haricot beans	-	-		-	
Field peas	-	-		-	
Lentils	0.00	0.00		0.00	
Vetch	-	-		-	
Soya beans	-	-		-	
OTHERS	0.00	0.00		0.00	
Neug	-	-		-	
Linseed	0.00	0.00		0.00	
Fenugreek	0.00	0.00		0.00	
Rapeseed	-	-		-	
Sunflower	-	-		-	
Ground nuts	-	-		-	
Sesame	-	-		-	
TOTAL	0.12	0.58		4.83	

## ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS

IN SHOWA REGION MERHABETE AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	53.31	290.57	5.45
Teff	22.05	87.86	3.98
Barley	0.24	2.88	12.00
Wheat	3.48	15.00	4.31
Maize	0.69	0.36	0.52
Sorghum	26.85	184.47	6.87
Millet	-	-	-
Oats	-	-	-
PULSES	5.65	26.47	4.68
Horse beans	2.81	12.65	4.50
Chick peas	0.69	2.34	3.39
Haricot beans	0.30	1.09	3.63
Field peas	0.84	2.20	2.62
Lentils	-	-	-
Vetch	1.01	8.19	8.11
Soya beans	-	-	-
OTHERS	1.70	7.51	4.42
Neug	1.59	7.03	4.42
Linseed	0.05	0.12	2.40
Fenugreek	0.06	0.36	6.00
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	60.66	324.55	5.35

Table 111

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN SHOWA REGION MEREHABETE AWRAJA IN  
 1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.36	0.28	0.78
Teff	0.13	0.13	1.00
Barley	-	-	-
Wheat	0.22	0.11	0.50
Maize	-	-	-
Sorghum	0.01	0.04	4.00
Millet	-	-	-
Oats	-	-	-
PULSES	0.39	0.29	0.74
Horse beans	0.14	0.09	0.64
Chick peas	0.11	0.05	0.45
Haricot beans	-	-	-
Field peas	0.01	0.00	0.00
Lentils	0.01	0.01	1.00
Vetch	0.12	0.14	1.17
Soya beans	-	-	-
OTHERS	0.05	0.02	0.40
Neug	0.05	0.02	0.40
Linseed	0.00	0.00	0.00
Fenugreek	0.00	0.00	0.00
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	0.80	0.59	0.74

Table 112

-117-

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN SHOWA REGION SELALE AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	79.05	684.60	8.66
Teff	28.69	171.03	5.96
Barley	10.79	133.18	12.34
Wheat	12.27	97.48	7.94
Maize	0.31	5.12	16.52
Sorghum	26.24	274.12	10.45
Millet	-	-	-
Oats	0.75	3.67	4.89
PULSES	23.34	121.60	5.21
Horse beans	10.85	67.88	6.26
Chick peas	2.60	13.72	5.28
Haricot beans	0.10	0.68	6.80
Field peas	4.28	11.47	2.68
Lentils	2.06	7.61	3.69
Vetch	3.45	20.24	5.87
Soya beans	-	-	-
OTHERS	3.80	14.20	3.74
Neug	3.41	11.72	3.44
Linseed	0.30	2.20	7.33
Fenugreek	0.09	0.28	3.11
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	106.19	820.40	7.73

Table 113

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN SHOWA REGION, SELALLE AWRAJA IN  
 1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA	PRODUCTION	YIELD
	'000 HECTARES	'000 QUINTALS	QUINTALS/HECTARE
CEREALS	0.92	3.68	4.00
Teff	0.42	1.05	2.50
Barley	0.01	0.08	8.00
Wheat	0.12	0.49	4.08
Maize	0.02	0.03	1.50
Sorghum	0.35	2.03	5.80
Millet	-	-	-
Oats	0.00	0.00	0.00
PULSES	0.62	1.50	2.42
Horse beans	0.05	0.12	2.40
Chick peas	0.21	0.59	2.81
Haricot beans	-	-	-
Field peas	0.15	0.34	2.27
Lentils	0.00	0.00	0.00
Vetch	0.21	0.45	2.14
Soya beans	-	-	-
OTHERS	0.13	0.17	1.31
Neug	0.12	0.16	1.33
Linseed	0.01	0.01	1.00
Fenugreek	0.00	0.00	0.00
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	1.67	5.35	3.20

Table 114

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN SHOWA REGION TEGULET & BULEGA AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	85.76	778.51	9.08
Teff	14.27	69.36	4.86
Barley	28.82	297.29	10.32
Wheat	20.11	179.27	8.91
Maize	0.75	5.37	7.16
Sorghum	21.70	226.36	10.43
Millet	-	-	-
Oats	0.11	0.86	7.82
PULSES	35.12	256.52	7.30
Horse beans	18.96	148.91	7.85
Chick peas	7.33	72.80	9.93
Haricot beans	0.59	0.49	0.83
Field peas	6.00	25.74	4.29
Lentils	2.24	8.58	3.83
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	2.32	15.98	6.89
Neug	0.21	0.24	1.14
Linseed	2.11	15.74	7.46
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	123.20	1051.01	8.53

Table 115

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN SHOWA REGION TEGULET & BULEGA AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.73	4.22	5.78
Teff	0.07	0.38	5.43
Barley	0.18	0.90	5.00
Wheat	0.48	2.94	6.13
Maize	-	-	-
Sorghum	-	-	-
Millet	-	-	-
Oats	-	-	-
PULSES	0.41	1.64	4.00
Horse beans	0.32	1.13	3.53
Chick peas	0.03	0.24	8.00
Haricot beans	-	-	-
Field peas	0.00	0.00	0.00
Lentils	0.02	0.04	2.00
Vetch	0.04	0.23	5.75
Soya beans	-	-	-
OTHERS	0.05	0.18	3.60
Neug	-	-	-
Linseed	0.02	0.06	3.00
Fenugreek	0.03	0.12	4.00
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	1.19	6.04	5.08

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN SHOWA REGION YERERE & KERAYU AWRAJA IN  
 1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	158.42	1317.72	8.32
Teff	78.31	558.76	7.14
Barley	8.61	71.50	8.30
Wheat	36.76	456.91	12.43
Maize	24.74	185.57	7.50
Sorghum	9.92	44.31	4.47
Millet	-	-	-
Oats	0.08	0.67	8.38
PULSES	32.28	175.27	5.43
Horse beans	4.08	15.20	3.73
Chick peas	6.69	11.73	1.75
Haricot beans	8.80	29.29	3.33
Field peas	3.66	54.76	14.96
Lentils	5.35	33.24	6.21
Vetch	3.70	31.05	8.39
Soya beans	-	-	-
OTHERS	1.21	8.33	6.88
Neug	-	-	-
Linseed	0.07	0.20	2.86
Fenugreek	1.14	8.13	7.13
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	191.91	1501.32	7.82

Table 117

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN SHOWA REGION YERERE & KERAYU AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	3.56	24.99	7.02
Teff	1.92	10.14	5.28
Barley	0.12	1.39	11.58
Wheat	0.68	7.45	10.96
Maize	0.57	4.45	7.81
Sorghum	0.27	1.56	5.78
Millet	-	-	-
Oats	-	-	-
PULSES	1.06	3.40	3.21
Horse beans	0.20	0.40	2.00
Chick peas	0.47	1.62	3.45
Haricot beans	0.20	0.94	4.70
Field peas	0.10	0.21	2.10
Lentils	0.04	0.10	2.50
Vetch	0.05	0.13	2.60
Soya beans	-	-	-
OTHERS	0.00	0.00	0.00
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	0.00	0.00	0.00
Sunflower	-	-	-
Ground nuts	0.00	0.00	0.00
Sesame	-	-	-
TOTAL	4.62	28.39	6.15

Table 118

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN SHOWA REGION YIFAT & TINUGA AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

-123-

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	35.54	310.34	8.73
Teff	12.71	111.53	8.77
Barley	0.07	0.07	1.00
Wheat	0.82	7.47	9.11
Maize	1.23	16.02	13.02
Sorghum	20.71	175.25	8.46
Millet	-	-	-
Oats	-	-	-
PULSES	3.74	29.42	7.87
Horse beans	1.77	15.38	8.69
Chick peas	1.56	9.83	6.30
Haricot beans	0.20	2.13	10.65
Field peas	0.13	1.95	15.00
Lentils	0.08	0.13	1.63
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.02	0.07	3.50
Neug	0.02	0.07	3.50
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	39.30	339.83	8.65

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN SHOWA REGION YIFAT & TIMUGA AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	2.86	15.80	5.52
Teff	0.62	3.52	5.68
Barley	-	-	-
Wheat	0.00	0.00	0.00
Maize	0.42	1.81	4.31
Sorghum	1.82	10.47	5.75
Millet	-	-	-
Oats	-	-	-
PULSES	0.11	0.43	3.91
Horse beans	0.01	0.01	1.00
Chick peas	0.09	0.38	4.22
Haricot beans	-	-	-
Field peas	-	-	-
Lentils	-	-	-
Vetch	0.01	0.04	4.00
Soya beans	-	-	-
OTHERS	-	-	-
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower,	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	2.97	16.23	5.46

Table 120

ESTIMATES OF AREA UNDER MAJOR CROPS  
IN SIDAMO REGION IN 1987/88 (1989 E.C)

THOUSAND HECTARES

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASON
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	150.23	3.29	3.74	157.26	89.93	247.19
Teff	21.68	0.76	0.03	22.47	3.85	26.32
Barley	24.40	0.12	-	24.52	1.13	25.65
Wheat	7.78	0.17	-	7.95	1.10	9.05
Maize	84.97	2.10	3.71	90.78	83.85	174.63
Sorghum	11.40	0.14	-	11.54	-	11.54
Millet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
PULSES	17.02	0.60	0.13	17.75	8.15	25.90
Horse beans	4.11	0.18	-	4.29	-	4.29
Chick peas	1.60	0.01	-	1.61	0.12	1.73
Haricot beans	8.40	0.30	0.13	8.83	8.03	16.86
Field peas	2.91	0.09	-	3.00	-	3.00
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Soya beans	-	0.02	-	0.02	-	0.02
OTHERS	0.17	0.01	1.15	1.33	0.01	1.34
Neug	-	-	-	-	-	-
Linseed	0.11	0.01	-	0.12	-	0.12
Fenugreek	0.06	-	-	0.06	0.01	0.07
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	1.15	1.15	-	1.15
Ground nuts	-	0.00	-	0.00	-	0.00
Sesame	-	-	-	-	-	-
TOTAL	167.42	3.90	5.02	176.34	98.09	274.43

Table 121

ESTIMATES OF PRODUCTION UNDER MAJOR CROPS  
 OM SODAMO REGION IN 1987/88 (1980 E.C)

THOUSAND QUINTALS

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASON
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	2873.97	23.18	113.36	3010.51	725.71	3736.22
Teff	193.82	3.23	0.21	197.26	67.32	264.58
Barley	401.81	0.32	-	402.13	8.21	410.34
Wheat	197.79	0.58	-	198.37	17.95	216.32
Maize	1971.29	18.47	113.15	2102.91	632.23	2735.14
Sorghum	109.26	0.58	-	109.84	-	109.84
Millet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
PULSES	183.29	1.87	0.31	185.47	35.22	220.69
Horse beans	53.23	0.64	-	53.87	-	53.87
Chick peas	19.17	0.12	-	19.29	1.08	20.37
Haricot beans	83.25	0.94	0.31	84.50	34.14	118.64
Field peas	27.64	0.14	-	27.78	-	27.78
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Soya beans	-	0.03	-	0.03	-	0.03
OTHERS	0.71	0.01	8.72	9.44	0.10	9.54
Neug	-	-	-	-	-	-
Linseed	0.58	0.01	-	0.59	-	0.59
Fenugreek	0.13	-	-	0.13	0.10	0.23
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	8.72	8.72	-	8.72
Ground nuts	-	0.00	-	0.00	-	0.00
Sesame	-	-	-	-	-	-
TOTAL	3057.97	25.06	122.39	3205.42	761.03	3966.45

Table 122

ESTIMATES OF YIELD UNDER MAJOR CROPS  
IN SIDAMO REGION IN 1987/88 (1980 E.C)

QUINTALS/HECTARE

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASON
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	19.13	7.06	30.31	19.14	8.07	15.11
Teff	8.94	4.25	7.00	8.78	17.49	10.05
Barley	16.47	2.67	-	16.40	7.27	16.00
Wheat	25.42	3.41	-	24.95	16.32	23.90
Maize	23.20	8.80	30.50	23.16	7.54	15.66
Sorghum	9.58	4.94	-	9.52	-	9.52
Millet	-	-	-	-	-	-
Oats	-	-	-	-	-	-
PULSES	10.77	3.12	2.38	10.45	4.32	8.52
Horse beans	12.95	3.56	-	12.56	-	12.56
Chick peas	11.98	12.00	-	11.98	9.00	11.78
Haricot beans	9.91	3.13	2.38	9.57	4.25	7.04
Field peas	9.50	1.56	-	9.26	-	9.26
Lentils	-	-	-	-	-	-
Vetch	-	-	-	-	-	-
Soya beans	-	1.50	-	1.50	-	1.50
OTHERS	4.18	1.00	7.58	7.10	10.00	7.12
Neug	-	-	-	-	-	-
Linseed	5.27	1.00	-	4.92	-	4.92
Fenugreek	2.17	-	-	2.17	10.00	3.29
Rapeseed	-	-	-	-	-	-
Sunflower	-	-	7.58	7.58	-	7.58
Ground nuts	-	0.00	-	0.00	-	0.00
Sesame	-	-	-	-	-	-
TOTAL	18.27	6.45	24.38	18.18	7.76	14.45

Table 123

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN SIDAMO REGION ARERO AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.06	0.20	3.33
Teff	0.01	0.02	2.00
Barley	0.01	0.01	1.00
Wheat	0.02	0.03	1.50
Maize	0.02	0.14	7.00
Sorghum	-	-	-
Millet	-	-	-
Oats	-	-	-
PULSES	0.00	0.00	0.00
Horse beans	-	-	-
Chick peas	-	-	-
Haricot beans	-	-	-
Field peas	-	-	-
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	-	-	-
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	0.06	0.20	3.33

## ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS

IN SIDAMO REGION GEDEO AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.30	2.02	6.73
Teff	0.02	0.06	3.00
Barley	0.03	0.09	3.00
Wheat	0.05	0.24	4.80
Maize	0.19	1.53	8.05
Sorghum	0.01	0.10	10.00
Millet	-	-	-
Oats	-	-	-
PULSES	0.17	0.58	3.47
Horse beans	0.14	0.49	3.50
Chick peas	0.00	0.00	0.00
Haricot beans	0.01	0.02	2.00
Field peas	0.02	0.08	4.00
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.00	0.00	0.00
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	0.00	0.00	0.00
Sesame	-	-	-
TOTAL	0.47	2.61	5.55

Table 125

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN SIDAMO REGION JEMJEM AWRAJA IN  
 1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.05	0.21	4.20
Teff	0.01	0.03	3.00
Barley	0.02	0.06	3.00
Wheat	0.01	0.05	5.00
Maize	0.01	0.07	7.00
Sorghum	-	-	-
Millet	-	-	-
Oats	-	-	-
PULSES	0.00	0.00	0.00
Horse beans	0.00	0.00	0.00
Chick peas	-	-	-
Haricot beans	-	-	-
Field peas	-	-	-
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	-	-	-
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	0.05	0.21	4.20

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN SIDAMO REGION SIDAMA AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARES
CEREALS	1.63	9.70	5.95
Teff	0.35	1.50	4.29
Barley	0.06	0.16	2.67
Wheat	0.09	0.26	2.89
Maize	1.06	7.66	7.23
Sorghum	0.07	0.12	1.71
Millet	-	-	-
Oats	-	-	-
PULSES	0.32	0.69	2.16
Horse ebans	0.02	0.06	3.00
Chick peas	0.00	0.00	0.00
Haricot beans	0.23	0.55	2.39
Field peas	0.05	0.05	1.00
Lentils	-	-	-
Vetch	-	-	-
Soya beans	0.02	0.03	1.50
OTHERS	0.01	0.01	1.00
Neug	-	-	-
Linseed	0.01	0.01	1.00
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	1.96	10.40	5.28

Table 127

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN SIDAMO REGION WELAYTA AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	1.25	11.05	8.84
Teff	0.37	1.62	4.38
Barley	-	-	-
Wheat	0.00	0.00	0.00
Maize	0.82	9.07	11.06
Sorghum	0.06	0.36	6.00
Millet	-	-	-
Oats	-	-	-
PULSES	0.11	0.59	5.36
Horse beans	0.02	0.09	4.50
Chick peas	0.01	0.12	12.00
Haricot beans	0.06	0.37	6.17
Field peas	0.02	0.01	0.50
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	-	-	-
Neug	-	-	-
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	1.36	11.64	8.56

Table 128

ESTIMATES OF AREA UNDER MAJOR CROPS  
IN WOLLEGA REGION IN 1987/88 (1988 E.C)

THOUSAND HECTARES

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASON
	PRIVATE PEASANT HOLDINGS	PRODUCER COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	312.50	29.75	39.20	381.45	23.67	405.12
Teff	126.89	6.97	0.13	133.99	0.03	134.02
Barley	19.91	1.74	-	21.65	11.07	32.72
Wheat	5.12	1.04	-	6.16	-	6.16
Maize	90.18	14.72	35.08	139.98	12.57	152.55
Sorghum	47.36	4.63	3.99	55.98	-	55.98
Millet	22.84	0.55	-	23.49	-	23.49
Oats	0.20	0.00	-	0.20	-	0.20
PULSES	22.44	3.34	4.05	29.83	1.56	31.39
Horse beans	13.22	1.04	-	14.26	-	14.26
Chick peas	0.74	0.25	-	0.99	-	0.99
Haricot beans	1.79	0.93	3.22	5.94	1.55	7.49
Field peas	6.68	0.83	-	7.51	0.01	7.52
Lentils	-	-	-	-	-	-
Vetch	0.01	0.02	-	0.03	-	0.03
Soya beans	-	0.27	0.83	1.10	-	1.10
OTHERS	18.69	4.00	0.18	22.87	-	22.87
Neug	17.23	2.75	-	19.98	-	19.98
Linseed	1.39	0.10	-	1.49	-	1.49
Fenugreek	0.03	0.00	-	0.03	-	0.03
Rapeseed	0.04	0.06	-	0.10	-	0.10
Sunflower	-	0.00	0.18	0.18	-	0.18
Ground nuts	-	0.02	-	0.02	-	0.02
Sesame	-	1.07	-	1.07	-	1.07
TOTAL	353.63	37.09	43.43	434.15	25.23	459.38

Table 129

ESTIMATES OF PRODUCTION UNDER MAJOR CROPS  
IN WOLLEGA REGION IN 1987/88 (1980 E.C)

THOUSAND QUINTALS

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASON
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	3739.01	272.29	998.16	5009.39	268.92	5278.31
Teff	882.23	26.54	0.21	908.98	0.22	909.20
Barley	174.35	10.45	-	184.80	141.86	326.66
Wheat	50.56	4.99	-	55.55	-	55.55
Maize	1780.05	186.39	947.72	2914.16	126.84	3041.00
Sorghum	647.79	41.25	50.23	739.27	-	739.27
Millet	202.35	2.60	-	204.95	-	204.95
Oats	1.68	0.00	-	1.68	-	1.68
PULSES	175.23	13.07	21.43	209.73	20.74	230.47
Horse beans	111.70	3.57	-	115.27	-	115.27
Chick peas	6.23	0.58	-	6.81	-	6.81
Haricot beans	12.92	5.21	17.92	36.05	20.66	56.71
Field peas	44.37	2.40	-	46.77	0.08	46.85
Lentils	-	-	-	-	-	-
Vetch	0.01	0.01	-	0.02	-	0.02
Soya beans	-	1.30	3.51	4.81	-	4.81
OTHERS	81.61	10.90	1.45	93.96	-	93.96
Neug	75.35	5.07	-	80.42	-	80.42
Linseed	6.00	0.16	-	6.16	-	6.16
Fenugreek	0.10	0.00	-	0.10	-	0.10
Rapeseed	0.16	0.25	-	0.41	-	0.41
Sunflower	-	0.00	1.45	1.45	-	1.45
Ground nuts	-	0.06	-	0.06	-	0.06
Sesame	-	5.36	-	5.36	-	5.36
TOTAL	3995.85	296.19	1021.04	5313.08	289.66	5602.74

Table 130

ESTIMATES OF YIELD UNDER MAJOR CROPS  
IN WOLLEGA REGION IN 1987/88 (1980 E.C)

QUINTAL/HECTARE

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASON
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	11.96	9.15	25.46	13.13	11.36	13.03
Teff	6.95	3.81	1.62	6.78	7.33	6.78
Barley	8.76	6.01	-	8.54	12.81	9.98
Wheat	9.88	4.80	-	9.02	-	9.02
Maize	19.74	12.66	27.02	20.82	10.09	19.93
Sorghum	13.68	8.91	12.59	13.21	-	13.21
Millet	8.85	4.00	-	8.72	-	8.72
Oats	8.40	0.00	-	8.40	-	8.40
PULSES	7.81	3.91	5.29	7.03	13.29	7.34
Horse beans	8.45	3.43	-	8.08	-	8.08
Chick peas	8.42	2.32	-	6.88	-	6.88
Haricot beans	7.22	5.60	5.57	6.07	13.33	7.57
Field peas	6.64	2.89	-	6.23	8.00	6.23
Lentils	-	-	-	-	-	-
Vetch	1.00	0.50	-	0.67	-	0.67
Soya beans	-	4.81	4.23	4.37	-	4.37
OTHERS	4.37	2.73	8.06	4.11	-	4.11
Neug	4.37	1.84	-	4.03	-	4.03
Linseed	4.32	1.60	-	4.13	-	4.13
Fenugreek	3.33	0.00	-	3.33	-	3.33
Rapeseed	4.00	4.17	-	4.10	-	4.10
Sunflower	-	0.00	8.06	8.06	-	8.06
Ground nuts	-	3.00	-	3.00	-	3.00
Sesame	-	5.01	-	5.01	-	5.01
TOTAL	11.30	7.99	23.51	12.24	11.48	12.20

Table 131

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN WELLEGA REGION ARJO AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	95.24	1118.33	11.74
Teff	45.09	361.86	8.03
Barley	14.63	132.49	9.06
Wheat	1.25	13.39	10.71
Maize	17.37	397.60	22.89
Sorghum	11.52	156.15	13.55
Millet	5.32	56.61	10.64
Oats	0.06	0.23	3.83
PULSES	11.19	81.83	7.31
Horse beans	6.63	50.35	7.59
Chick peas	0.10	0.55	5.50
Haricot beans	0.25	1.51	6.04
Field peas	4.21	29.42	6.99
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	2.07	19.13	9.24
Neug	2.07	19.13	9.24
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	108.50	1219.29	11.24

Table 132

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN WELLEGA REGION ARJO AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	2.07	12.96	6.26
Teff	0.94	3.99	4.24
Barley	0.42	2.29	5.45
Wheat	0.12	0.52	4.33
Maize	0.31	3.81	12.29
Sorghum	0.20	1.75	8.75
Millet	0.08	0.60	7.50
Oats	-	-	-
PULSES	0.33	1.21	3.67
Horse beans	0.14	0.59	4.21
Chick peas	0.02	0.05	2.50
Haricot beans	0.00	0.00	0.00
Field peas	0.17	0.57	3.35
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.12	0.17	1.42
Neug	0.12	0.17	1.42
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	0.00	0.00	0.00
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	2.52	14.34	4.69

Table 133

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN WELLEGA REGION ASSOSA AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	13.47	221.17	16.41
Teff	3.42	74.03	21.65
Barley	-	-	-
Wheat	-	-	-
Maize	6.22	73.37	11.80
Sorghum	3.83	73.77	19.26
Millet	-	-	-
Oats	-	-	-
PULSES	0.20	2.89	14.45
Horse beans	-	-	-
Chick peas	-	-	-
Haricot beans	0.20	2.89	14.45
Field peas	-	-	-
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.73	2.83	3.88
Neug	0.73	2.83	3.88
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	14.40	226.89	15.76

Table 134

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN WELLEGA REGION ASOSA AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YEIDL AUINTALS/HECTARE
CEREALS	6.20	72.49	11.69
Teff	0.56	2.35	4.20
Barley	-	-	-
Wheat	0.01	0.07	7.00
Maize	4.97	65.04	13.09
Sorghum	0.66	5.03	7.62
Millet	-	-	-
Oats	-	-	-
PULSES	0.19	0.87	4.58
Horse beans	-	-	-
Chick peas	0.00	0.00	0.00
Haricot beans	0.07	0.18	2.57
Field peas	-	-	-
Lentils	-	-	-
Vetch	-	-	-
Soya beans	0.12	0.69	5.75
OTHERS	0.43	1.09	2.53
Neug	0.42	1.04	2.48
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	0.00	0.00	0.00
Ground nuts	0.01	0.05	5.00
Sesame	0.00	0.00	0.00
TOTAL	6.82	74.45	10.92

Table 135

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN WELLEGA REGION GIMBI AWRAJA IN  
1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	82.82	811.70	9.80
Teff	25.87	70.89	2.74
Barley	1.43	6.84	4.78
Wheat	0.56	2.05	3.66
Maize	28.16	454.37	16.14
Sorghum	17.58	211.68	12.04
Millet	9.22	65.87	7.14
Oats	-	-	-
PULSES	2.86	11.66	4.08
Horse beans	1.18	5.13	4.35
Chick peas	-	-	-
Haricot beans	0.54	1.77	3.28
Field peas	1.13	4.75	4.20
Lentils	-	-	-
Vetch	0.01	0.01	1.00
Soya beans	-	-	-
OTHERS	1.34	3.93	2.93
Neug	1.34	3.93	2.93
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	87.02	827.29	9.51

Table 136

-141-

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN WELLEGA REGION GIMBI AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	3.09	17.73	5.74
Teff	0.88	1.23	1.40
Barley	0.11	0.09	0.82
Wheat	0.05	0.07	1.40
Maize	1.21	12.54	10.36
Sorghum	0.58	3.11	5.36
Millet	0.26	0.69	2.65
Oats	-	-	-
PULSES	0.24	0.52	2.17
Horse beans	0.08	0.12	1.50
Chick peas	0.02	0.01	0.50
Haricot beans	0.06	0.32	5.33
Field peas	0.06	0.06	1.00
Lentils	-	-	-
Vetch	0.02	0.01	0.50
Soya beans	0.00	0.00	0.00
OTHERS	0.15	0.13	0.87
Neug	0.15	0.13	0.87
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	0.00	0.00	0.00
TOTAL	3.48	18.38	5.28

Table 137

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN WELLEGA REGION HOROGUDRU AWRAJA IN  
 1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	61.16	677.03	11.07
Teff	38.21	284.58	7.45
Barley	1.93	15.58	8.07
Wheat	2.49	25.37	10.19
Maize	14.26	301.67	21.15
Sorghum	1.90	25.21	13.27
Millet	2.27	23.54	10.37
Oats	0.10	1.08	10.80
PULSES	4.96	50.15	10.11
Horse beans	3.78	40.80	10.79
Chick peas	0.02	0.20	10.00
Haricot beans	0.08	0.39	4.88
Field peas	1.08	8.76	8.11
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	12.52	48.33	3.86
Neug	11.09	42.17	3.80
Linseed	1.39	6.00	4.32
Fenugreek	-	-	-
Rapeseed	0.04	0.16	4.00
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	78.64	775.51	9.86

Table 140

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN WELLEGA REGION HOROGUDURU AVRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	13.86	133.65	9.64
Teff	3.48	16.43	4.72
Barley	1.10	7.66	6.96
Wheat	0.85	4.31	5.07
Maize	6.23	80.56	12.93
Sorghum	2.07	24.04	11.61
Millet	0.13	0.65	5.00
Oats	0.00	0.00	0.00
PULSES	1.93	9.17	4.75
Horse beans	0.54	2.48	4.59
Chick peas	0.02	0.05	2.50
Haricot beans	0.68	4.34	6.38
Field peas	0.54	1.69	3.13
Lentils	-	-	-
Vetch	-	-	-
Soya beans	0.15	0.61	4.07
OTHERS	2.81	8.75	3.11
Neug	1.57	2.97	1.89
Linseed	0.10	0.16	1.60
Fenugreek	0.00	0.00	0.00
Rapeseed	0.06	0.25	4.17
Sunflower	-	-	-
Ground nuts	0.01	0.01	1.00
Sesame	1.07	5.36	5.01
TOTAL	18.60	151.57	8.15

Table 139

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN WELLEGA REGION KELLEM AWRAJA IN  
 1987/88 (1980 E.C) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA	PRODUCTION	YIELD
	'000 HECTARES	'000 QUINTALS	QUINTALS/HECTARE
CEREALS	28.55	531.73	18.62
Teff	2.61	10.28	3.94
Barley	0.29	2.56	8.83
Wheat	0.55	8.47	15.40
Maize	15.31	362.89	23.70
Sorghum	7.26	116.88	16.10
Millet	2.51	30.53	12.16
Oats	0.02	0.12	6.00
PULSES	1.80	17.27	9.59
Horse beans	0.61	6.36	10.43
Chick peas	0.46	4.46	9.70
Haricot beans	0.72	6.36	8.83
Field peas	0.01	0.09	9.00
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.07	0.25	3.57
Neug	0.04	0.15	3.75
Linseed	-	-	-
Fenugreek	0.03	0.10	3.33
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	30.42	549.25	18.06

Table 140

-145-

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN WELLEGA REGION KELEM AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA	PRODUCTION	YIELD
	'000 HECTARES	'000 QUINTALS	QUINTALS/HECTARE
CEREALS	3.24	25.48	7.86
Teff	0.68	1.09	1.60
Barley	0.02	0.06	3.00
Wheat	0.00	0.00	0.00
Maize	1.46	17.68	12.11
Sorghum	1.00	6.37	6.37
Millet	0.08	0.28	3.50
Oats	-	-	-
PULSES	0.48	1.14	2.38
Horse beans	0.21	0.29	1.38
Chick peas	0.13	0.44	3.38
Haricot beans	0.12	0.37	3.08
Field peas	0.02	0.04	2.00
Lentils	-	-	-
Vetch	-	-	-
Soya beans	0.00	0.00	0.00
OTHERS	0.24	0.51	2.13
Neug	0.24	0.51	2.13
Linseed	-	-	-
Fenugreek	0.00	0.00	0.00
Rapeseed	-	-	-
Sunflower	0.00	0.00	0.00
Ground nuts	-	-	-
Sesame	0.00	0.00	0.00
TOTAL	3.96	27.13	6.85

Table 141

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN WELLEGA REGION NEKEMET AWRAJA IN  
 1987/88 (1980 E.C.) FOR PRIVATE PEASANT HOLDINGS

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	31.26	379.65	12.13
Teff	11.69	80.59	6.89
Barley	1.63	16.88	10.36
Wheat	0.27	1.28	4.74
Maize	8.86	190.15	21.16
Sorghum	5.27	64.10	12.46
Millet	3.52	25.80	7.33
Oats	0.02	0.25	12.50
PULSES	1.43	11.43	7.99
Horse beans	1.02	9.06	8.88
Chick peas	0.16	1.02	6.38
Haricot beans	-	-	-
Field peas	0.25	1.35	5.40
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	1.96	7.14	3.64
Neug	1.96	7.14	3.64
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	34.65	397.62	11.48

Table 142  
 ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN WELLEGA REGION NEKEMTE AWRAJA IN  
 1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA	PRODUCTION	YIELD
	'000 HECTARES	'000 QUINTALS	QUINTALS/HECTARE
CEREALS	1.29	9.91	7.68
Teff	0.43	1.45	3.37
Barley	0.09	0.35	3.87
Wheat	0.01	0.02	2.00
Maize	0.54	6.76	12.52
Sorghum	0.12	0.95	7.92
Millet	0.10	0.38	3.80
Oats	-	-	-
PULSES	0.17	0.16	0.94
Horse beans	0.07	0.09	1.29
Chick peas	0.06	0.03	0.50
Haricot beans	0.00	0.00	0.00
Field peas	0.04	0.04	1.00
Lentils	-	-	-
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.25	0.25	1.00
Neug	0.25	0.25	1.00
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	1.71	10.32	6.04

Table 143

ESTIMATES OF AREA UNDER MAJOR CROPS  
IN WELLO REGION IN 1987/88 (1980 E.C)

THOUSAND HECTARES

CROP	MAIN SEASON				BELG SEASONS	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	255.67	20.35	1.10	277.12	105.62	382.74
Teff	47.13	2.42	0.34	49.89	13.31	63.20
Barley	50.98	0.94	-	51.92	78.60	130.52
Wheat	41.51	5.19	-	46.70	2.18	48.88
Maize	18.35	1.91	0.09	20.35	0.35	20.70
Sorghum	87.19	9.54	0.67	97.40	-	97.40
Millet	0.19	-	-	0.19	-	0.19
Oats	10.32	0.35	-	10.67	11.18	21.85
PULSES	68.02	5.54	-	73.56	8.63	82.19
Horse beans	40.42	2.31	-	42.73	-	42.73
Chick peas	6.89	1.33	-	8.22	0.13	8.35
Haricot beans	0.90	0.03	-	0.93	-	0.93
Field peas	6.62	0.39	-	7.01	0.29	7.30
Lentils	8.42	0.60	-	9.02	8.15	17.17
Vetch	4.77	0.88	-	5.65	0.06	5.71
Soya beans	-	-	-	-	-	-
OTHERS	5.40	0.92	-	6.32	0.10	6.42
Neug	2.49	0.28	-	2.77	-	2.77
Linseed	2.06	0.25	-	2.31	0.10	2.41
Fenugreek	0.85	0.26	-	1.11	-	1.11
Rapeseed	-	0.01	-	0.01	-	0.01
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	0.12	-	0.12	-	0.12
TOTAL	329.09	26.81	1.10	357.00	114.35	471.35

ESTIMATES OF PRODUCTION UNDER MAJOR CROPS  
IN WELLO REGION IN 1987/88 (1980 E.C)

THOUSAND QUINTALS

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASONS
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	2322.69	129.56	3.08	2455.33	2453.02	4908.35
Teff	306.07	19.52	0.21	325.80	136.82	462.62
Barley	279.13	3.71	-	282.84	2175.81	2458.65
Wheat	233.88	28.57	-	262.45	50.21	312.66
Maize	282.22	15.41	0.96	298.59	0.10	298.69
Sorghum	1131.36	61.32	1.91	1194.59	-	1194.59
Millet	2.76	-	-	2.76	-	2.76
Oats	87.27	1.03	-	88.30	90.08	178.38
PULSES	535.98	26.71	-	562.69	41.90	604.59
Horse beans	359.89	11.79	-	371.68	-	371.68
Chick peas	47.32	6.36	-	53.68	0.44	54.12
Haricot beans	6.43	0.07	-	6.50	-	6.50
Field peas	23.81	0.92	-	24.73	4.36	29.09
Lentils	47.12	2.68	-	49.80	36.83	86.63
Vetch	51.41	4.89	-	56.30	0.27	56.57
Soya beans	-	-	-	-	-	-
OTHERS	21.04	2.30	-	23.34	2.27	25.61
Neug	4.33	0.52	-	4.85	-	4.85
Linseed	8.88	0.59	-	9.47	2.27	11.74
Fenugreek	7.83	1.03	-	8.86	-	8.86
Rapeseed	-	0.01	-	0.01	-	0.01
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	0.15	-	0.15	-	0.15
TOTAL	2879.71	158.57	3.08	3041.36	2497.19	5538.55

Table 145

ESTIMATES OF YIELD IN MAJOR CROPS  
IN WOLLO REGION IN 1987/88 (1980 E.C)

QUINTAL/HECTARE

C R O P	MAIN SEASON				BELG SEASON	TOTAL BOTH SEASON
	PRIVATE PEASANT HOLDINGS	PRODUCERS COOPERATIVES	STATE FARMS	TOTAL		
CEREALS	9.08	6.37	2.80	8.86	23.22	14.93
Teff	6.49	8.07	0.62	6.53	10.28	7.32
Barley	5.48	3.95	-	5.45	27.68	18.84
Wheat	5.63	5.50	-	5.62	23.03	6.40
Maize	15.38	8.07	10.67	14.67	0.29	14.43
Sorghum	12.98	6.43	2.85	12.26	-	12.26
Millet	14.53	-	-	14.53	-	14.53
Oats	8.46	2.94	-	8.28	8.06	8.16
PULSES	7.88	4.82	-	7.65	4.86	7.36
Horse beans	8.90	5.10	-	8.70	-	8.70
Chick peas	6.87	4.78	-	6.53	3.38	6.48
Haricot beans	7.14	2.33	-	6.99	-	6.99
Field peas	3.60	2.36	-	3.53	15.03	3.98
Lentils	5.60	4.47	-	5.52	4.52	5.05
Vetch	10.78	5.56	-	9.96	4.50	9.91
Soya beans	-	-	-	-	-	-
OTHERS	3.60	2.50	-	3.69	22.70	3.99
Neug	1.74	1.86	-	1.75	-	1.75
Linseed	4.31	2.36	-	4.10	22.70	4.87
Fenugreek	9.21	3.96	-	7.98	-	7.98
Rapeseed	-	1.00	-	1.00	-	1.00
Sunflower	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-
Sesame	-	1.25	-	1.25	-	1.25
TOTAL	8.75	5.91	2.80	8.52	21.84	10.90

Table 146

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN WELLO REGION AMBASSEL AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	2.33	24.38	10.46
Teff	0.64	5.27	8.23
Barley	0.02	0.03	1.50
Wheat	0.07	0.63	9.00
Maize	0.27	3.55	13.15
Sorghum	1.33	14.90	11.20
Millet	-	-	-
Oats	0.00	0.00	0.00
PULSES	0.22	1.59	7.23
Horse beans	0.08	0.73	9.13
Chick peas	0.05	0.40	8.00
Haricot beans	-	-	-
Field peas	0.02	0.08	4.00
Lentils	0.01	0.05	5.00
Vetch	0.06	0.33	5.50
Soya beans	-	-	-
OTHERS	0.04	0.09	2.25
Neug	0.03	0.08	2.67
Linseed	-	-	-
Fenugreek	0.00	0.00	0.00
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	0.01	0.01	1.00
TOTAL	2.59	26.06	10.06

Table 147

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
 IN WELLO REGION BORENA AWRAJA IN  
 1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	2.50	14.49	5.60
Teff	0.42	1.49	3.55
Barley	0.30	1.03	3.43
Wheat	0.67	3.41	5.09
Maize	0.03	0.15	5.00
Sorghum	1.08	8.41	7.79
Millet	-	-	-
Oats	0.00	0.00	0.00
PULSES	0.89	3.58	4.02
Horse beans	0.40	1.28	3.20
Chick peas	0.22	0.87	3.95
Haricot beans	0.01	0.03	3.00
Field peas	0.07	0.15	2.14
Lentils	0.04	0.08	2.00
Vetch	0.15	1.17	7.80
Soya beans	-	-	-
OTHERS	0.14	0.41	2.93
Neug	0.10	0.32	3.20
Linseed	0.02	0.03	1.50
Fenugreek	0.02	0.06	3.00
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	3.53	18.48	5.24

Table 148

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN WELLO REGION DESSI ZURIA AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	1.87	12.91	6.90
Teff	0.14	1.07	7.64
Barley	0.02	0.46	23.00
Wheat	0.11	0.75	6.82
Maize	0.79	5.94	7.52
Sorghum	0.80	4.62	4.78
Millet	-	-	-
Oats	0.01	0.07	7.00
PULSES	0.46	4.16	9.04
Horse beans	0.15	2.69	17.93
Chick peas	0.27	1.18	4.37
Haricot beans	-	-	-
Field peas	0.03	0.24	8.00
Lentils	0.00	0.00	0.00
Vetch	0.01	0.05	5.00
Soya beans	-	-	-
OTHERS	0.02	0.08	4.00
Neug	0.01	0.03	3.00
Linseed	0.00	0.00	0.00
Fenugreek	0.01	0.05	5.00
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	2.35	17.15	7.30

Table 149

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN WELLO REGION KALU AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	1.46	8.49	5.82
Teff	0.23	1.11	4.83
Barley	-	-	-
Wheat	0.01	0.03	3.00
Maize	0.41	4.33	10.56
Sorghum	0.81	3.02	3.73
Millet	-	-	-
Oats	0.00	0.00	0.00
PULSES	0.22	0.63	2.86
Horse beans	0.03	0.03	1.00
Chick peas	0.15	0.52	3.47
Haricot beans	0.01	0.03	3.00
Field peas	0.01	0.01	1.00
Lentils	-	-	-
Vetch	0.02	0.04	2.00
Soya beans	-	-	-
OTHERS	0.04	0.04	1.00
Neug	0.00	0.00	0.00
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	0.01	0.01	1.00
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	0.03	0.03	1.00
TOTAL	1.72	9.16	5.33

Table 150 ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN WELLO REGION LASTA AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.14	0.75	5.36
Teff	0.01	0.04	4.00
Barley	0.05	0.41	8.20
Wheat	0.08	0.30	3.75
Maize	-	-	-
Sorghum	0.00	0.00	0.00
Millet	-	-	-
Oats	-	-	-
PULSES	0.05	0.14	2.80
Horse beans	0.02	0.11	5.50
Chick peas	0.01	0.01	1.00
Haricot beans	-	-	-
Field peas	0.01	0.02	2.00
Lentils	0.00	0.00	0.00
Vetch	-	-	-
Soya beans	-	-	-
OTHERS	0.01	0.02	2.00
Neug	-	-	-
Linseed	0.01	0.02	2.00
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	0.20	0.91	4.55

Table 151

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN WELLO REGION RAYA & KOBO AWRAJA IN  
1987/88 (1980) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	1.02	4.54	4.45
Teff	0.13	0.45	3.46
Barley	-	-	-
Wheat	-	-	-
Maize	0.12	0.36	3.00
Sorghum	0.77	3.73	4.84
Millet	-	-	-
Oats	-	-	-
PULSES	0.07	0.66	9.43
Horse beans	-	-	-
Chcik peas	0.07	0.66	9.43
Haricot beans	-	-	-
Field peas	-	-	-
Lentils	-	-	-
Vetch	0.00	0.00	0.00
Soya beans	-	-	-
OTHERS	0.03	0.03	1.00
Neug	0.00	0.00	0.00
Linseed	-	-	-
Fenugreek	-	-	-
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	0.03	0.03	1.00
TOTAL	1.12	5.23	4.69

Table 152 ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN WELLO REGION WADLADELANTA AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	0.16	1.05	6.56
Teff	-	-	-
Barley	0.10	0.28	2.80
Wheat	0.06	0.77	12.83
Maize	-	-	-
Sorghum	-	-	-
Millet	-	-	-
Oats	0.00	0.00	0.00
PULSES	0.11	1.01	9.18
Horse beans	0.05	0.65	13.00
Chcik peas	0.00	0.00	0.00
Haricot beans	-	-	-
Field peas	0.02	0.06	3.00
Lentils	0.04	0.30	7.50
Vetch	0.00	0.00	0.00
Soya beans	-	-	-
OTHERS	0.01	0.02	2.00
Neug	-	-	-
Linseed	0.01	0.02	2.00
Fenugreek	0.00	0.00	0.00
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	0.28	2.08	7.43

Table 153

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN WELLO REGION WEREHIMENU AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	1.10	4.29	3.90
Teff	0.03	0.05	1.67
Barley	0.26	0.65	2.50
Wheat	0.44	2.22	5.05
Maize	-	-	-
Sorghum	0.07	0.51	7.29
Millet	-	-	-
Oats	0.30	0.86	2.87
PULSES	0.75	2.05	2.73
Horse beans	0.42	1.31	3.12
Chick peas	0.05	0.27	5.40
Haricot beans	-	-	-
Field peas	0.13	0.10	0.77
Lentils	0.09	0.08	0.89
Vetch	0.06	0.29	4.83
Soya beans	-	-	-
OTHERS	0.09 0	0.28	3.11
Neug	-	-	-
Linseed	0.08	0.24	3.00
Fenugreek	0.01	0.04	4.00
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	1.94	6.62	3.41

Table 154

ESTIMATES OF AREA; PRODUCTION AND YIELD OF MAJOR CROPS  
 IN WELLO REGION WEREILU AWRAJA IN  
 1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA '000 HECTARES	PRODUCTION '000 QUINTALS	YIELD QUINTALS/HECTARE
CEREALS	4.12	22.93	5.57
Teff	0.10	0.56	5.60
Barley	0.17	0.64	3.76
Wheat	3.59	19.92	5.55
Maize	-	-	-
Sorghum	0.22	1.71	7.77
Millet	-	-	-
Oats	0.04	0.10	2.50
PULSES	1.76	8.67	4.93
Horse beans	0.98	4.08	4.16
Chick peas	0.07	0.42	6.00
Haricot beans	-	-	-
Field peas	0.04	0.05	1.25
Lentils	0.38	2.07	5.45
Vetch	0.29	2.05	7.07
Soya beans	-	-	-
OTHERS	0.36	1.15	3.19
Neug	0.02	0.04	2.00
Linseed	0.13	0.28	2.15
Fenugreek	0.21	0.83	3.95
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	-	-	-
TOTAL	6.24	32.75	5.25

Table 155

ESTIMATES OF AREA, PRODUCTION AND YIELD OF MAJOR CROPS  
IN WELLO REGION YEJJU AWRAJA IN  
1987/88 (1980 E.C) FOR PRODUCERS COOPERATIVES

C R O P	AREA	PRODUCTION	YIELD
	'000 HECTARES	'000 QUINTALS	QUINTALS/HECTARE
CEREALS	5.65	35.73	6.32
Teff	0.72	9.48	13.17
Barley	0.02	0.21	10.50
Wheat	0.16	0.54	3.38
Maize	0.29	1.08	3.72
Sorghum	4.46	24.42	5.48
Millet	-	-	-
Oats	-	-	-
PULSES	1.01	4.22	4.18
Horse beans	0.18	0.91	4.79
Chick peas	0.44	2.03	4.61
Haricot beans	0.01	0.01	1.00
Field peas	0.06	0.21	3.50
Lentils	0.03	0.10	3.33
Vetch	0.29	0.96	3.31
Soya beans	-	-	-
OTHERS	0.18	0.18	1.00
Neug	0.12	0.05	0.42
Linseed	-	-	-
Fenugreek	0.01	0.05	5.00
Rapeseed	-	-	-
Sunflower	-	-	-
Ground nuts	-	-	-
Sesame	0.05	0.08	1.60
TOTAL	6.84	40.13	5.87

Table 156

## FOR OTHER CO-OPERATIVES

(THOUSAND HECTARES)

C R O P	R E G I O N S												TOTAL
	ARSSI	BALE	GOMO GOFFA	GOJJAM	GONDER	HARARGHE	ILLUBABOR	KEFFA	SHOA	SIDAMO	WELLEGA	WOLLO	
CEREALS	0.61	0.76	1.84	1.38	0.41	1.43	0.73	8.08	0.98	4.76	13.24	1.10	35.82
Teff	0.06	0.07	0.87	0.90	0.16	0.27	0.41	1.79	0.57	0.68	5.01	0.17	10.89
Barley	0.07	0.20	0.32	0.25	0.02	-	0.02	0.23	0.12	0.19	0.42	0.74	2.58
Wheat	0.44	0.53	0.32	0.03	-	0.23	0.02	0.08	0.16	0.25	0.16	0.11	2.33
Maize	0.03	0.02	0.21	0.20	0.01	0.57	0.20	4.45	0.07	3.61	1.63	0.02	11.02
Sorghum	0.01	-	0.12	-	0.18	0.36	0.04	1.24	0.06	0.03	0.06	0.06	7.76
Millet	-	-	-	-	0.04	-	0.00	0.29	-	-	0.36	-	1.23
Oats	-	0.01	-	-	-	-	-	-	-	-	-	-	0.01
PULSES	0.07	0.05	0.33	0.05	3.02	0.22	0.28	1.12	0.20	2.00	0.43	1.01	6.98
Horse beans	0.01	-	0.01	0.01	0.05	0.05	0.03	0.42	0.12	0.29	0.11	0.84	1.94
Chick peas	0.01	0.01	0.10	0.00	0.10	0.06	0.02	0.05	0.04	0.96	0.06	0.08	1.48
Haricot beans	-	-	-	-	2.84	0.01	-	0.08	0.01	0.64	0.17	-	3.76
Field peas	0.01	0.03	0.22	0.04	0.02	0.10	0.23	0.57	0.01	0.11	0.26	0.02	1.62
Lentils	-	0.01	-	0.00	-	-	-	-	0.01	-	-	0.07	0.09
Vetch	0.04	-	-	-	0.01	-	-	-	0.01	-	-	-	0.06
Soya beans	-	-	-	-	-	-	-	-	-	0.00	0.03	-	0.03
OTHERS	0.09	0.08	-	0.15	0.10	-	0.00	0.14	0.01	-	0.49	0.01	1.07
Neug	-	-	-	0.12	0.10	-	-	-	0.00	-	0.45	-	0.67
Linseed	0.07	0.08	-	0.03	-	-	0.00	-	0.01	-	-	-	0.19
Fenugreek	0.01	0.00	-	-	-	-	-	-	-	-	-	0.01	0.02
Rapeseed	0.01	-	-	-	-	-	-	-	-	-	-	-	0.01
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-	-	-	-	-	0.03	-	0.03
Sesame	-	-	-	-	-	-	-	0.14	-	-	0.01	-	0.15
ALL CROPS	0.77	0.89	2.17	1.58	3.53	1.65	1.01	9.34	1.19	6.76	14.36	2.12	45.87

Table 157

FOR OTHER CO-OPERATIVES

(THOUSAND QUINTALS)

C R O P	R E G I O N S												TOTAL
	ARSSI	BALE	GOMO GOFFA	GOJJAM	GONDER	HARARGHE	ILLUBABOR	KEFFA	SHOWA	SIDAMO	WELLEGA	WOLLO	
CEREALS	6.56	6.02	10.12	6.18	12.68	12.44	3.62	75.83	5.14	16.47	30.94	4.19	190.10
Teff	0.31	0.00	11.02	2.90	2.36	2.86	1.84	6.29	2.09	1.72	3.29	0.45	25.14
Barley	1.09	0.88	4.63	0.65	1.77	-	0.08	1.00	0.40	0.18	0.84	2.23	13.75
Wheat	4.83	4.95	1.38	0.33	-	2.91	0.22	0.42	1.37	0.86	0.48	0.93	18.68
Maize	0.26	0.15	2.59	2.30	0.23	3.40	1.42	58.80	0.84	13.59	18.32	0.30	102.20
Sorghum	0.07	-	0.50	-	5.92	3.27	0.06	5.83	0.44	0.12	6.66	0.28	23.15
Millet	-	-	-	-	2.40	-	0.00	3.49	-	-	1.35	-	7.14
Oats	-	0.04	-	-	-	-	-	-	-	-	-	-	0.04
PULSES	0.42	0.23	0.25	0.08	3.34	0.92	0.53	2.99	0.43	17.01	1.81	3.35	31.45
Horse beans	0.01	-	0.04	0.04	0.14	0.46	0.11	0.86	0.25	1.89	0.17	2.84	6.81
Chick peas	-	0.07	0.10	0.08	2.88	0.10	-	0.85	0.10	0.17	0.06	0.28	4.68
Haricot beans	0.03	-	-	-	0.32	0.01	0.42	0.20	0.01	14.52	0.55	-	15.64
Field peas	0.10	0.14	0.11	0.04	0.00	0.35	-	1.08	0.02	0.43	0.92	0.06	3.67
Lentils	-	0.02	-	0.00	-	-	-	-	0.02	-	-	0.17	0.22
Vetch	0.28	-	-	-	4.00	-	-	-	0.03	-	-	-	0.31
Soya beans	-	-	-	-	-	-	-	-	-	0.00	0.11	-	0.12
OTHERS	0.29	0.18	-	0.22	0.61	-	0.00	0.11	0.05	-	7.86	0.06	9.41
Neug	-	-	-	0.17	0.61	-	-	-	0.00	-	7.79	-	8.58
Linseed	0.09	0.18	-	0.05	-	-	0.00	-	0.05	-	-	-	0.38
Fenugreek	0.05	0.00	-	-	-	-	-	-	-	-	-	0.06	0.12
Rapeseed	0.15	-	-	-	-	-	-	-	-	-	-	-	0.15
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-	-
Ground nuts	-	-	-	-	-	-	-	-	-	-	0.06	-	0.06
Sesame	-	-	-	-	-	-	-	0.11	-	-	0.01	-	0.12
ALL CROPS	7.27	6.44	10.37	6.48	16.63	13.36	4.16	78.93	5.62	33.48	40.61	7.60	230.96

## FOR OTHER CO-OPERATIVES

(QUINTAL/HECTAR)

C R O P	R E G I O N S												TOTAL
	ARSSI	BALE	GOMO GOFFA	GOJJAM	GONDER	HARARGHE	ILLUBABOR	KEFFA	SHOWA	SIDAMO	WELLEGA	WOLLO	
CEREALS	10.75	7.92	5.50	4.48	30.93	8.70	4.96	9.38	5.24	3.46	2.34	3.81	5.31
Teff	5.18	0.00	1.17	3.22	14.75	10.59	4.49	3.51	3.67	2.53	0.68	2.65	2.31
Barley	15.57	4.40	14.47	2.60	88.50	-	4.00	4.35	3.33	0.95	2.00	3.01	5.33
Wheat	10.98	9.34	4.31	11.00	4.00	11.65	1.00	5.25	8.56	3.44	3.00	8.46	8.02
Maize	8.67	7.50	12.33	11.50	23.00	5.96	7.10	13.21	12.00	3.77	11.24	5.00	9.27
Sorghum	7.00	-	4.17	-	33.89	9.08	1.50	4.70	7.33	4.00	1.18	4.67	2.98
Millet	-	-	-	-	60.00	-	0.00	12.03	-	-	3.75	-	5.81
Oats	-	4.00	-	-	-	-	-	-	-	-	-	-	4.00
PULSES	6.00	4.60	0.76	1.60	1.11	4.18	1.89	2.67	2.15	8.51	2.87	3.32	3.50
Horse beans	1.00	-	4.00	4.00	2.80	9.20	3.67	2.05	2.08	6.52	1.55	3.38	3.51
Chick peas	-	7.00	1.00	0.00	28.80	1.68	-	17.00	2.50	0.18	1.00	3.50	3.16
Haricot beans	-	-	-	-	0.11	1.00	-	2.50	1.00	22.69	3.24	-	4.16
Field peas	10.00	4.67	0.50	1.00	0.00	3.50	-	1.89	2.00	3.91	3.54	3.00	2.27
Lentils	-	2.00	-	0.00	-	-	-	-	2.00	-	-	2.43	2.44
Vetch	7.00	-	-	-	0.00	-	-	-	3.00	-	-	-	5.17
Soya beans	-	-	-	-	-	-	-	-	-	0.00	3.67	-	4.00
OTHERS	3.22	2.38	-	1.47	6.10	-	0.00	0.79	5.00	-	16.04	6.00	8.79
Neug	-	-	-	1.42	6.10	-	-	-	0.00	-	17.31	-	12.81
Linseed	1.29	2.25	-	1.67	-	-	0.00	-	5.00	-	-	-	2.00
Fenugreek	5.00	0.00	-	-	-	-	-	-	-	-	-	6.00	6.00
Rapeseed	15.00	-	-	-	-	-	-	-	-	-	-	-	15.00
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-	-
Groundnuts	-	-	-	-	-	-	-	-	-	-	2.00	-	2.00
Sesame	-	-	-	-	-	-	-	0.79	-	-	1.10	-	0.80
ALL CROPS	9.44	7.24	4.78	4.10	4.71	8.10	4.12	8.45	4.72	4.95	2.83	3.58	5.04