



Government of Kerala



Season and Crop Report
1992-93, 1993-94 & 1994-95

Department of Economics and Statistics

Thiruvananthapuram

2000

DE 2
13-66



Government of Kenya

Season and Crop Report
1993-94, 1993-94 & 1994-95

Department of Research and Statistics
Nairobi
1995

Government of Kerala



Season and Crop Report

1992-93, 1993-94 & 1994-95

Department of Economics and Statistics
Thiruvananthapuram

2000

13-11-18

Contents

Preface

Part I	page
Introduction	1
Terminology	13

Season and Crop Report of Kerala is one of the important publications of the Department of Economics and Statistics, Government of Kerala. This report deals with the various aspects of the agricultural economy of the State for the year 1992-93, 1993-94 and 1994-95. The data relating to Land use, area under crops and production of crops furnished in this report is based on the results of the sample survey and the scheme EARAS.

This report was prepared by Smt. M.N. Radha, Research Assistant and Smt. C.S. Lathakumari, Research Officer of the Agricultural Statistics Division under the immediate supervision of Sri P.V. Babu, Assistant Director on the overall guidance of Sri M.R. Balakrishnan, Additional Director.

Suggestions for the improvement of the report are welcomed.

Part II	page
Introduction	1
Land use	13
Area under crops	14
Production of crops	15
Value added in agriculture	16
Employment in agriculture	17
Index	18

U. Thomas Sreeba
Director

Thiruvananthapuram
13-09-1999.

Contents

Part I		page
1.1	Introduction	5
1.2	Topography	5
1.3	Administrative regions	6
1.4	Rural Development	6
1.5	Local self Government	7
1.6	Climate	7
1.7	Soil	8
1.8	Minerals	8
1.9	Crops and crop season	8
2.0	Land Utilization	8
2.1	Forest	9
2.2	Land put to non-agricultural uses	
2.3	Barren and un-cultivable land	11
2.4	Permanent pastures and grazing land	12
2.5	Miscellaneous Tree crops	
2.6	Cultivable Waste	13
2.7	Fallow other than current fallow	13
2.8	Current fallow	14
2.9	Net area sown	
2.10	Area sown more than once	15
2.11	Total cropped area	17
3.0	Area under crops	18
	Classification of area under crop cutting to seasonal, annual and perennial crops	
	Classification of area under crops according to	
	A – Food crops, B – Non food crops	
4.0	Irrigation	25
	Part II – Summary tables	27
	Classification of area according to utilization	
	Area under crops in Kerala	
	Production of important crops	
	Average farm prices of certain commodities	
	Sowing, harvesting and peak marketing seasons of principal crops in Kerala	

Part III

Normal rainfall (mm)

Average monthly rainfall

Classification of area under land utilization

District-wise area under crops

Production of important crops

Net area irrigated source-wise

Gross area irrigated

District-wise distribution of operational holdings

Average farm price of certain commodities

Agricultural wages

Part IV

Working class consumer price index numbers

Parity index

Quarterly average retail prices of some important commodities

Export of agricultural commodities through the ports of Kerala

Classification of soils

Conversion rates between raw materials and their processed products

Major nutrients in fertilizers and manure

Important crops pests and their control

Diseases affected by paddy – symptoms and control measures

List of rain gauge stations in Kerala

Glossary of English, Malayalam and Botanical names of crops

Part I

1.1 Introduction

Kerala, the southernmost state of India occupies a unique position in the map of the country with the southernmost extremity at Parassala about 56 KMs up from the land end of India it stretches along the shores of Arabian sea for a distance of about 580 KMs. with Karnataka State on the north and north-east and Tamil Nadu State on the east and south. The breadth of the State varies from 32 KM in the extreme north and south to over 130 KMs. in the middle. It is between the mighty Western Ghats and the Arabian sea.

Kerala State lies between 8° 17' 30" and 12° 47' 40" north latitudes and 74° 51' and 77° 24' 47" east longitudes.

1.2 Topography

The topography of the state is a peculiar one. The forest clad Western Ghats forms the eastern boundary of the State. From the Western Ghats the land to the golden shores of the Arabian sea, presenting a series of evergreen hills and valleys. Numerous rivers and streams flow westwards from the Western Ghats criss-crossing the hills and valleys until they empty in to the Arabian sea.

Physiographically the region presents varied landforms resulting through complex Geological processes. Although the entire region may be conceived as a totality of forty-four river basins, it is convenient to effect the division of the area in to four physiographic provinces viz. the highland ranging in altitude from 600 M to 2500 Mtr. The midland from 300 Mtr to 600 Mtr. The lowland from 30 Mtr. To 300 Mtr. And the coastal plain with lagoons and sand dunes. The attitude range is asymmetric with the maximum area of about 24000 sq.km. falling with in an elevation of 300 Mtr. From the mean sea level.

The most prominent physiographic province in the State in the highlands comprising of part of Western Ghats. The Western Ghat region presents a succession of buffs, ridges and conical peaks and is of irregular and rugged topography. Most of the lofty, steep-sloped hill stand isolated detached by low valleys. The elevation of the hills gradually decreases towards the west. Small plat forms occurring among these hills may be considered as saddles in the original chain shaped in to the present form through age-old erosion. Most of the reserve forests in this region produces teakwood, rose wood and numerous other varieties of hard and soft wood trees. The annual rainfall is very high in this region compared to other regions. This land is suited for the cultivation of plantation crops like tea, coffee, cardamom and rubber.

The midland region with an area of 16231 sq.Kms. is famous for its diverse crops, while rice is grown in valley, coconut, areacanut, rubber, pepper and tapioca are grown in the slopes of the hills. Thus major and minor crops are cultivated inter mixed with one another.

The lowland covers an area of 3979 Sq.Km. and is monopolised by paddy and coconut. Fishing is a major source of livelihood of the people in this region.

Paddy, coconut, arecanut, pepper, rubber, tapioca and banana are the important crops cultivated in the State. Paddy being a seasonal crop and the main staple food of Kerala is cultivated during the three-season viz. Autumn (Virippu), Winter (Mundakan) and Summer (Puncha). The other important seasonal crops are pulses, ragi, sesamum, sugar cane, tapioca, groundnut, ginger, turmeric, etc. Rubber is cultivated on the lower high land region in the midland regions.

1.3 Administrative regions

For administrative purposes, the state is divided into 14 districts viz. Thiruvananthapuram, Kollam, Pathanamthitta, Alappuzha, Kottayam, Idukki, Ernakulam, Thrissur, Palakkad, Malappuram, Kozhikode, Wayanad, Kannur and Kasaragod. Each district is divided into taluks and villages. Village is the primary unit of administration. At present there are 63 taluks and 1452 villages in the State. The district-wise distribution of area according to the village records is given in the following table.

District wise distribution of area of the State

Sl. No.	District	Area in Sq.KM	Percentage to total
1	Thiruvananthapuram	2192	5.64
2	Kollam	2579	6.64
3	Pathanamthitta	2731	7.03
4	Alappuzha	1256	3.23
5	Kottayam	2204	5.67
6	Idukki	4998	12.86
7	Ernakulam	2408	6.20
8	Thrissur	3032	7.80
9	Palakkad	4480	11.53
10	Malappuram	3548	9.13
11	Kozhikode	2345	6.03
12	Wayanad	2132	5.49
13	Kannur	2997	7.71
14	Kasaragod	1961	5.04
	Total	38863	100.00

1.4 Rural Development

The State is delimited into 152 CD Blocks for around development of the rural areas. The important programmes implemented by these blocks at present are the Integrated Rural Development

Programme (IRDP), Training of youth for self employment programme (TRYSEM), National Rural Employment Programme (NREP) and the Rural Landless Employment Guarantee Programme (RLEGP). Besides these, various schemes under the poverty lioration programme, better known as 20 point programmes, are also implemented in these blocks.

1.5 Local Self Government

Panchayat in rural areas and Municipalities and Corporations in urban areas are the units of local self-government in the State. At present there are 990 panchayats, 58 Municipalities and 3 Corporations in the State, which are administered by the elected representatives of the local peoples.

1.6 (a) Climate

The climate over the State is of the type-tropical monsoon with seasonally excessive rainfall and not summer except over the extremely southern districts viz. Thiruvananthapuram where the climate falls under the type – Tropical Savanna with seasonally dry and hot summer weather.

The year may be divided in to three seasons. The periods from March to the end of May are the hot season. This is followed by the southwest monsoon season, which continues till the middle of October. From the middle of October begins the north-east monsoon season which lasts upto the end of February, although the rain associated with the north-east monsoon ceases by December.

1.6 (b) Rainfall

The total annual rainfall in the State varies from 380 cm. Over the extreme northern parts to about 180 cm. In the southern parts. The south-west monsoon is the principal rainy season when the State receives about 73% of its annual rainfall. The thunderstorm rains in the pre-monsoon months of April and May and that of months are locally known as 'Edavappathi'. Rainfall during north-east monsoon season is known as 'Thulavarsham' in local language.

1.6(c) Temperature

The average temperature of the State varies between 21°C and 33°C. But the temeratures recorded at Palakkad and Punalur had always been higher than those recorded at other places during summer. This is because the hot summer winds blowing over the Decan Plateau escapes into these places through the gaps at Palakkad and Aryancavu respectively in the Sahya Mountains.

1.7 Soil

The different types of soils found in various parts of the State are classified as follows:

1. The hilly and forest soil seen all along the eastern part of the State.
2. The sandy soil seen in the coastal belt.
3. The laterite soil seen in the midland
4. The blank soil seen in patches on the eastern border of Palakkad district.
5. The peat or kari soil seen in Alappuzha
6. The alluvial soil seen along the southern and eastern parts of Vembanad lake and in small patches in Thiruvananthapuram districts.
7. The red soil found on the eastern tip of Thiruvananthapuram district

1.8 Minerals

The state is not rich in mineral wealth. Basic minerals like coal, iron ore, etc. and petroleum are conspicuous by their absence. Consequently the state is industrially backward among other Indian states. But rare mineral sands like ilmenite, monazite, zircon and sillimanite are mined from the coastal line. Minor minerals like white quartz sand, fire clay, ball clay, lime shell and china clay are also mined in the State.

1.9 Crops and Crop Seasons

The major crops grown in the State are food crops like paddy, pulses, tubers and tapioca, fruits like plantain, banana, mango, jack and cashew, spices like pepper, ginger, cardamom and arecanut, oil seeds like coconut, groundnut and gingelly and plantain crops like tea, coffee, rubber and cocoa.

The periods of sowing of various crops are mainly in the rainy season. Autumn, winter and summer are the seasons for paddy, the staple food of the people of Kerala. But most of the seasonal crops are sown well before the south west monsoon gets in the State. Unlike other parts of India perennial crops dominate the agricultural sector of the State. Intensive mixed cropping of perennial and seasonal on the dry land is the general pattern of cultivation of the people of Kerala.

2.0 Land Utilization

The land utilization particulars of the state for the years 1992-93, 1993-94 and 1994-95 are furnished in table 2.1 of the summary tables and 3.3 of the detailed tables. (The total area of the State referred to in various tables is according to the village papers while slightly differ from that under professional survey.

The district wise area under various land uses are discussed in the following paragraph

2.1 The District wise distribution of area under Forest 1992-93, 1993-94 & 1994-95

(Area in hect)

Sl. No.	District	Area under forest	Percentage to total	Percentage to total geographical area
1	2	3	4	5
1	Thiruvananthapuram	49861	4.61	22.81
2	Kollam	81438	7.53	32.34
3	Pathanamthitta	155214	14.35	57.75
4	Alappuzha	-	-	-
5	Kottayam	8141	0.75	3.71
6	Idukki	260907	24.12	50.67
7	Eranakulam	8123	0.75	3.45
8	Thrissur	103619	9.58	34.61
9	Palakkad	136257	12.60	31.04
10	Malappuram	103417	9.56	28.47
11	Kozhikode	41386	3.83	17.74
12	Wayanad	78787	7.29	37.07
13	Kannur	48734	4.51	16.42
14	Kasaragod	5625	0.52	2.87
	Total	1081509	100.000	27.83

2.1 Forest

The area under forests from 27.83% of the total geographical area. Though the percentage of area under forest to total forest area was highest in respect of Idukki district, the percentage of area under forest to the geographical area of the district was highest in respect of Pathanamthitta district. In Idukki and Pathanamthitta districts more than 50% of the geographical area were covered under forests. In Alappuzha district there was no forest at all.

2.2 Land put to Non-Agricultural uses

The area put to non-agricultural uses during the years 1992-93, 1993-94 and 1994-95 were 3.03, 30.08 and 3.23 lakhs hectares respectively against the previous years estimate of 3.01 lakhs hectares. The percentage of area put to non-agricultural uses during the years 1992-93, 1993-94 and 1994-95 to the geographical area of the State are 7.79, 7.94 and 8.31 respectively. The district wise distribution is given below.

2.2 - District-wise distribution of area under non-agricultural uses 1992-93, 1993-94 and 1994-95

(in hect.)

Sl. No	District	Area under non-agricultural uses			Percentage to total		
		1992-93	1993-94	1994-95	1992-93	1993-94	1994-95
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	20952	21142	21718	6.92	6.85	6.72
2	Kollam	23882	23825	22623	7.89	7.72	7.02
3	Pathanamthitta	10985	11007	16161	3.63	3.57	5.00
4	Alappuzha	23890	24004	23947	7.89	7.78	7.42
5	Kottayam	21831	21801	21522	7.21	7.07	6.67
6	Idukki	16930	16933	17320	5.59	5.49	5.36
7	Eranakulam	34684	36985	35339	11.45	11.99	10.95
8	Thrissur	27613	27692	28527	9.12	8.98	8.84
9	Palakkad	33038	35412	37563	10.91	11.48	11.64
10	Malappuram	21975	22060	24340	7.26	7.16	7.54
11	Kozhikode	21181	21300	21906	7.00	6.91	6.79
12	Wayanad	7308	7430	8456	2.41	2.41	2.62
13	Kannur	23140	23197	26928	7.64	7.52	8.34
14	Kasaragod	15389	15651	16445	5.08	5.07	5.09
	State	302798	308439	322835	100.00	100.00	100.00

Sl. No	District	Percentage to total geographical area of the district		
		1992-93	1993-94	1994-95
1	2	9	10	11
1	Thiruvananthapuram	9.58	9.67	9.94
2	Kollam	9.48	9.46	9.00
3	Pathanamthitta	4.09	4.10	6.01
4	Alappuzha	17.56	17.64	17.60
5	Kottayam	9.94	9.93	9.80
6	Idukki	3.29	3.29	3.36
7	Eranakulam	14.74	15.72	15.02
8	Thrissur	9.22	9.25	9.53
9	Palakkad	7.53	8.07	8.56
10	Malappuram	6.05	6.07	6.70
11	Kozhikode	9.08	9.13	9.39
12	Wayanad	3.44	3.50	3.98
13	Kannur	7.80	7.82	9.07
14	Kasaragod	7.85	7.98	8.38
	State	7.79	7.94	8.31

From the above table it may be seen that though the percentage of area under non-agricultural uses to the total area under this category was highest in respect of Eranakulam during 1992-93, 1993-94 and Palakkad in 1994-95. The percentage of the same to the geographical area of the district was highest in respect of Alappuzha district. In this connection it may be noted that Alappuzha is the thickly populated district with numerous rivers and backwaters.

2.3 Barren and uncultivable land

Area under barren and uncultivable land for the year 1992-93, 1993-94 and 1994-95 were 55229, 51530 and 48434 hectares respectively against the same for the previous year 1991-92 as 55136 hectares. The area under this category covered about 1.25% of the geographical area of the State. The district-wise distribution of barren and uncultivable land is furnished below.

Table 2.3 District-wise distribution of barren and uncultivable land 1992-93, 1993-94 and 1994-95

Sl. No	District	Area under non-agricultural uses			Percentage to total		
		1992-93	1993-94	1994-95	1992-93	1993-94	1994-95
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	986	892	780	1.79	1.73	1.61
2	Kollam	550	525	236	0.99	1.02	0.49
3	Pathanamthitta	673	575	514	1.22	1.12	1.06
4	Alappuzha	207	197	236	0.37	0.38	0.49
5	Kottayam	1866	1854	1754	3.38	3.60	3.62
6	Idukki	12977	11867	12422	23.50	23.03	25.65
7	Eranakulam	1672	1557	1556	3.03	3.02	3.21
8	Thrissur	1394	1011	1037	2.52	1.96	2.14
9	Palakkad	9393	9324	7296	17.01	18.09	15.06
10	Malappuram	5145	5132	4707	9.32	9.96	9.72
11	Kozhikode	1626	1581	1439	2.94	3.07	2.97
12	Wayanad	1232	1228	946	2.23	2.38	1.95
13	Kannur	6168	5831	5204	11.17	11.32	10.75
14	Kasaragod	11340	9956	10307	20.53	19.32	21.28
	State	55229	51530	48434	100.00	100.00	100.00

Table 2.3 (contd.)

Sl. No	District	Percentage to total geographical area of the district		
		1992-93	1993-94	1994-95
1	2	9	10	11
1	Thiruvanantha-puram	0.45	0.41	0.36
2	Kollam	0.22	0.21	0.09
3	Pathanamthitta	0.25	0.21	0.19
4	Alappuzha	0.15	0.14	0.17
5	Kottayam	0.85	0.84	0.80
6	Idukki	2.52	2.30	2.41
7	Eranakulam	0.71	0.66	0.66
8	Thrissur	0.47	0.34	0.35
9	Palakkad	2.14	2.12	1.66
10	Malappuram	1.42	1.41	1.30
11	Kozhikode	0.70	0.68	0.62
12	Wayanad	0.58	0.58	0.45
13	Kannur	2.08	1.96	1.75
14	Kasaragod	5.78	5.08	5.26
	State	1.42	1.33	1.25

The percentage of area under this category to the total area was highest in Idukki district followed by Kasaragod district. The percentage of area under this category to the total geographical area of the district was highest in Kasaragod district.

2.4 Permanent pastures and grazing land

The estimated area under permanent pastures and grazing land for the years 1992-1993, 1993-94 and 1994-95 were 1699, 1569 and 1455 hectares respectively against the previous year area of 1912 hectares in 1991-92. This formed only 0.04 percentage of the geographical area of the State. The estimated area under this category was highest in Idukki district with 635, 635 and 601 hectares for 1992-93, 1993-94 and 1994-95 respectively, which forms 37.4%, 40.5% and 41.3% respectively to the total area under the same category.

2.5 Land under miscellaneous tree crops

The area under miscellaneous tree crops for the year 1992-93, 1993-94 and 1994-95 are 34054, 36713 and 32385 hectares respectively against 34294 hectares during the previous year (1991-92). The percentage of estimated area under miscellaneous tree crops to the total geographical area of the State for the years 1992-93, 1993-94 and 1994-95 were 0.88, 0.94 and 0.83 respectively. The area under miscellaneous tree crops was highest in Idukki district with 34% (1992-93) 31% (1993-94) and 32% (1994-95) of the total area under the category.

2.6 Cultivable waste land

The area under this category for 1992-93, 1993-94 and 1994-95 was estimated as 91233, 89769 and 82441 hectares respectively, which forms 2.35%, 2.31% and 2.12% to the total geographical area of the State. The highest area under this category is reported from Palakkad district. Idukki and Kasaragod are the next two districts having considerable area under this category. These three districts together covered about 65.6% of the total cultivable waste land area of the State during the year 1994-95. District wise details are given below.

**Table 2.6 - District wise distribution of area under cultivable waste land
1992-93, 1993-94 & 1994-95**

Sl. No	District	Area under cultivable waste (Hect)			Percentage to total			Percentage to total geographical area of district		
		1992-93	1993-94	1994-95	1992-93	1993-94	1994-95	1992-93	1993-94	1994-95
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	665	665	724	0.73	0.74	0.87	0.30	0.30	0.33
2	Kollam	584	51	476	0.64	0.06	0.58	0.23	0.02	0.19
3	Pathanamthitta	458	498	509	0.50	0.55	0.62	0.17	0.19	0.19
4	Alappuzha	2224	2818	2936	2.44	3.14	3.56	1.63	2.07	2.16
5	Kottayam	925	925	824	1.01	1.03	1.00	0.42	0.42	0.38
6	Idukki	22790	22790	16112	24.98	25.39	19.54	4.43	4.43	3.13
7	Eranakulam	3187	3231	3260	3.49	3.60	3.95	1.35	1.37	1.39
8	Thrissur	2904	2682	3115	3.18	2.99	3.78	0.97	0.90	1.04
9	Palakkad	21796	25840	23607	23.89	28.78	28.64	4.97	5.89	5.38
10	Malappuram	10205	9677	8483	11.19	10.78	10.29	2.81	2.66	2.34
11	Kozhikode	1594	1278	922	1.75	1.42	1.12	0.68	0.55	0.40
12	Wayanad	3523	2888	2874	3.86	3.22	3.49	1.66	1.36	1.35
13	Kannur	4380	4158	4258	4.80	4.63	5.16	1.48	1.40	1.43
14	Kasaragod	15998	12268	14341	17.54	13.67	17.40	8.16	6.25	7.31
	State	91233	89769	82441	100	100	100	2.35	2.31	2.12

2.7 Fallow other than current fallow

The area under this category during 1992-93, 1993-94 and 1994-95 was 27404, 28695 and 29147 hectares respectively, which forms 0.71%, 0.74% and 0.75% to the total geographical area of the State. Palakkad district has the highest area under this category followed by Malappuram district. The area under this category was lowest in Thiruvananthapuram district.

2.8 Current Fallow

The area under this category during 1992-93, 1993-94 and 1994-95 was estimated as 41978, 49171 and 47801 hectares respectively, which forms 1.08%, 1.27% and 1.23% of the geographical area of the State. Palakkad district has the highest area under this category followed by Malappuram district. The detailed table is given below.

**Table 2.8 – District wise distribution of area under current fallow
1992-93 to 1994-95**

(in hect.)

Sl. No	District	Area under current fallow (Hect)			Percentage to total			Percentage to total geographical area of district		
		1992-93	1993-94	1994-95	1992-93	1993-94	1994-95	1992-93	1993-94	1994-95
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	791	564	752	1.88	1.15	1.57	0.36	0.26	0.34
2	Kollam	1414	1662	1494	3.37	3.38	3.13	0.56	0.66	0.59
3	Pathanamthitta	1165	1718	1453	2.77	3.49	3.04	0.43	0.64	0.54
4	Alappuzha	2998	3603	4267	7.14	7.32	8.93	2.20	2.65	3.14
5	Kottayam	2975	2975	2907	7.09	6.05	6.08	1.36	1.36	1.32
6	Idukki	1050	909	1694	2.50	1.85	3.54	0.20	0.18	0.33
7	Eranakulam	2467	2027	2509	5.88	4.12	5.25	1.05	0.86	1.07
8	Thrissur	4701	4512	5579	11.20	9.18	11.67	1.57	1.51	1.86
9	Palakkad	7942	16250	10087	18.92	33.05	21.10	1.81	3.70	2.30
10	Malappuram	7370	6240	7877	17.56	12.69	16.48	2.03	1.72	2.17
11	Kozhikode	1683	1711	1930	4.01	3.48	4.04	0.72	0.73	0.83
12	Wayanad	2004	1986	2012	4.77	4.04	4.21	0.94	0.93	0.95
13	Kannur	3321	3024	2892	7.91	6.15	6.05	1.12	1.02	0.97
14	Kasaragod	2097	1990	2348	5.00	4.05	4.91	1.07	1.01	1.20
	State	41978	49171	47801	100	100	100	1.08	1.27	1.23

2.9 Net area sown

The net area sown during 1992-93, 1993-94 and 1994-95 was estimated at 22.50, 22.38 and 22.39 lakh hectares respectively against 22.48 lakh hectares during 1991-92. Net area sown covered about 58% of the total geographical area of the State.

Table 2.9 - District wise distribution of net area sown 1992-93, 1993-94 and 1994-95

Sl No	District	Net area sown (Hect)			Percentage to total			Percentage to total geographical area of district		
		1992-93	1993-94	1994-95	1992-93	1993-94	1994-95	1992-93	1993-94	1994-95
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	144621	144782	144117	6.43	6.47	6.44	66.16	66.23	65.93
2	Kollam	143116	143405	144725	6.36	6.41	6.46	56.83	56.94	57.47
3	Pathanamthitta	99585	98797	94076	4.43	4.41	4.20	37.05	36.76	35.01
4	Alappuzha	105027	103634	102951	4.67	4.63	4.60	77.19	76.10	75.67
5	Kottayam	181175	181217	182062	8.05	8.10	8.13	82.52	82.54	82.93
6	Idukki	187161	188526	194682	8.32	8.42	8.69	36.34	36.61	37.81
7	Eranakulam	182229	179688	181423	8.10	8.03	8.10	77.44	76.36	77.10
8	Thrissur	154692	155726	153741	6.88	6.96	6.87	51.67	52.01	51.35
9	Palakkad	218456	200217	209478	9.71	8.94	9.35	49.76	45.61	47.72
10	Malappuram	208439	210521	208757	9.27	9.41	9.32	57.38	57.96	57.47
11	Kozhikode	162821	162979	163377	7.24	7.28	7.30	69.78	69.85	70.02
12	Wayanad	115895	116419	115767	5.15	5.20	5.17	54.52	54.77	54.46
13	Kannur	204457	205224	202492	9.09	9.17	9.04	68.89	69.15	68.23
14	Kasaragod	141919	146967	141842	6.30	6.57	6.33	72.36	74.93	72.32
	State	2249593	2238102	2239490	100	100	100	57.90	57.60	57.64

The net area sown is highest in Palakkad district. But the percentage of net area sown to the total geographical area of the district during 1992-93, 1993-94 and 1994-95 was highest in Kottayam and lowest in Idukki district during 1992-93, 1993-94 and Pathanamthitta in 1994-95. The net area sown in the districts Kollam, Pathanamthitta, Idukki, Thrissur, Palakkad and Wayanad are below the state average during 1992-93, 1993-94 and 1994-95. The same is also below State average for the district Malappuram during 1992-93 and 1994-95.

2.10 Area sown more than once

The area sown more than once during 1992-93, 1993-94 and 1994-95 was estimated as 796878, 804599 and 808820 hectares respectively against the same during the year 1991-92 as 773149 hectares.

The district wise distribution of area sown more than once is given below.

Table 2.10 - District wise distribution of area sown more than once 1992-93, 1993-94 and 1994-95

Sl. No	District	Area sown more than once			Percentage to total			Percentage to total geographical area of district		
		1992-93	1993-94	1994-95	1992-93	1993-94	1994-95	1992-93	1993-94	1994-95
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	60801	57601	53785	7.63	7.16	6.65	27.81	26.35	24.60
2	Kollam	75710	76860	73602	9.50	9.55	9.10	30.06	30.52	29.23
3	Pathanamthitta	28207	18736	26250	3.54	2.33	0.32	10.50	6.97	9.77
4	Alappuzha	57553	51307	62513	7.22	6.38	7.73	42.30	37.71	45.95
5	Kottayam	54603	46252	39776	6.85	5.75	4.92	24.87	21.07	18.12
6	Idukki	19960	22258	26956	2.51	2.77	3.33	3.88	4.32	5.23
7	Eranakulam	68871	52835	44704	8.64	6.57	5.53	29.27	22.45	19.00
8	Thrissur	57056	64204	61004	7.16	7.99	7.54	19.06	21.44	20.38
9	Palakkad	133061	152638	135774	16.70	18.97	16.79	30.31	34.77	30.93
10	Malappuram	59166	65204	62254	7.42	8.10	7.70	16.29	17.95	17.14
11	Kozhikode	46760	48972	57646	5.87	6.08	7.13	20.04	20.99	24.71
12	Wayanad	65071	71980	78371	8.17	8.94	9.69	30.61	33.86	36.87
13	Kannur	66002	71260	75090	8.28	8.86	9.28	22.24	24.01	25.30
14	Kasaragod	4057	4492	11095	0.51	0.55	1.37	2.07	2.29	5.66
	State	796878	804599	808820	100	100	100	20.51	20.71	20.82

Table 2.10 - District wise distribution of area sown more than once 1992-93, 1993-94 and 1994-95

Sl N o	District	(in hect)								
		Area sown more than once			Percentage to net area sown			Percentage to total geographical area of district		
		1992-93	1993-94	1994-95	1992-93	1993-94	1994-95	1992-93	1993-94	1994-95
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	60801	57601	53785	42.04	39.78	37.32	2781	26.35	24.60
2	Kollam	75710	76860	73602	52.90	53.60	50.86	30.06	30.52	29.23
3	Pathanamthitta	28207	18736	26250	28.32	18.96	27.90	10.50	6.97	9.77
4	Alappuzha	57553	51307	62513	54.80	49.51	60.72	42.30	37.71	45.95
5	Kottayam	54603	46252	39776	30.14	25.52	21.85	24.87	21.07	18.12
6	Idukki	19960	22258	26956	10.66	11.81	13.85	3.88	4.32	5.23
7	Eranakulam	68871	52835	44704	37.79	29.40	24.64	29.27	22.45	19.00
8	Thrissur	57056	64204	61004	36.88	41.23	39.68	19.06	21.48	20.38
9	Palakkad	133061	152638	135774	60.91	76.24	64.82	30.31	34.77	30.93
10	Malappuram	59166	65204	62254	28.39	30.97	29.82	16.29	17.95	17.14
11	Kozhikode	46760	48972	57646	28.72	30.05	35.28	20.04	20.99	24.71
12	Wayanad	65071	71980	78371	56.15	61.83	67.70	30.61	33.86	36.87
13	Kannur	66002	71260	75090	32.28	34.72	37.08	22.24	24.01	25.30
14	Kasaragod	4057	4492	11095	2.86	3.06	7.82	2.07	2.29	5.66
	State	796878	804599	808820	35.42	35.95	36.12	20.51	20.71	20.82

From the above table the estimated area sown more than once is highest in Palakkad district and lowest in Kasaragod district. The percentage of sown area more than once to the total geographical area of the district is highest in Alappuzha district. But the percentage of area sown more than once to the net area sown is highest in Palakkad district during 1992-93 and 1993-94 and in Wayanad district during 1994-95

2.11 Total cropped area

The total cropped area is the sum of net area sown and area sown more than once. The total cropped area of the State is estimated about 30 lakh hectares during the period under reference, which forms about 78% of the total geographical area of the State.

The percentage of total cropped area to the net area sown was 13.6 during the period. The district wise distribution of total cropped area is given below.

Table 2.11 - District wise distribution of total cropped area in 1992-93, 1993-94 and 1994-95

Sl. No	Dist	(in hect)											
		Total cropped area (lakh hect)			Percentage to total			Percentage to total geographical area of district			Percentage to net area sown (Intensity of cropping)		
		92-93	93-94	94-95	92-93	93-94	94-95	92-93	93-94	94-95	92-93	93-94	94-95
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	TVM	2.05	2.02	1.98	6.73	6.64	6.50	93.61	92.24	90.41	141	139	138
2	KLM	2.19	2.20	2.18	7.18	7.23	7.15	86.90	87.30	86.51	153	154	150
3	PTA	1.28	1.18	1.20	4.20	3.88	3.94	47.58	43.87	44.61	129	119	128
4	ALP	1.63	1.55	1.65	5.35	5.09	5.41	119.85	113.97	121.32	155	149	160
5	KTM	2.36	2.27	2.22	7.74	7.46	7.28	107.27	103.18	100.91	130	125	122
6	IDK	2.07	2.11	2.22	6.79	6.93	7.28	40.19	40.97	43.11	111	112	114
7	EKM	2.51	2.33	2.26	8.26	7.65	7.42	106.81	99.15	96.17	138	129	125
8	TCR	2.12	2.20	2.15	6.96	7.23	7.05	70.90	73.58	71.91	137	141	140
9	PKD	3.52	3.53	3.45	11.55	11.59	11.32	80.18	80.41	78.59	161	177	165
10	MLM	2.68	2.78	2.71	8.79	9.13	8.89	73.83	76.58	74.66	129	132	130
11	KZD	2.10	2.12	2.21	6.89	6.96	7.25	90.13	90.99	94.85	129	130	136
12	WYD	1.81	1.88	1.94	5.94	6.18	6.37	84.98	88.26	91.08	156	162	167
13	KNR	2.70	2.76	2.78	8.85	9.07	9.12	90.91	92.93	93.60	132	135	138
14	KSD	1.46	1.51	1.53	4.79	4.96	5.02	74.49	77.04	78.06	103	103	108
	State	30.48	30.44	30.48	100	100	100	78.46	78.35	78.46	136	136	136

The total cropped area is highest in Palakkad district and lowest in Pathanamthitta district

3.0 Area under Crops

3.1 Classification of area under crops according to seasonal, annual and perennial crops

Crops are classified as seasonal, annual and perennial according to the duration of each crop. Crops, which have duration of one season (6 months or less) are called seasonal crops. The crops which have a duration of more than one season and less than one year are called annual crops and crops which have a duration of more than one year are called perennial crops. The district wise distribution of area under crop classified into seasonal, annual and perennial is furnished in the table given below.

Table 3.1 District wise distribution of area under seasonal annual and perennial crops 1992-93

Sl. No.	District	Seasonal crops			Annual crops			Perennial crops			Total cropped area
		Area (hect)	Percentage to total area	Percentage to total cropped area of the district	Area (hect)	Percentage to total area	Percentage to total cropped area of the district	Area (hect)	Percentage to total area	Percentage to total cropped area of the district	
1	2	3	4	5	6	7	8	9	10	11	12
1	Thiruvananthapuram	56411	6.92	27.46	5261	6.57	2.56	143750	6.68	69.98	205422
2	Kollam	67807	8.32	30.99	5451	6.81	2.49	145568	6.77	66.52	218826
3	Pathanamthitta	27654	3.39	21.64	4719	5.90	3.69	95419	4.44	74.67	127792
4	Alappuzha	67693	8.31	41.64	2941	3.68	1.81	91946	4.27	56.55	162580
5	Kottayam	42975	5.27	18.23	6823	8.52	2.89	185980	8.64	78.88	235778
6	Idukki	14746	1.81	7.12	5113	6.39	2.47	187262	8.70	90.41	207121
7	Eranakulam	80963	9.94	32.24	8516	10.64	3.39	161621	7.51	64.37	251100
8	Thrissur	74227	9.11	35.05	6621	8.27	3.13	130900	6.09	61.82	211748
9	Palakkad	212400	26.07	60.42	9911	12.38	2.82	129206	6.01	36.76	351517
10	Malappuram	68535	8.41	25.62	7747	9.68	2.89	191323	8.89	71.49	267605
11	Kozhikode	17072	2.10	8.14	3763	4.70	1.80	188746	8.77	9.06	209581
12	Wayanad	32983	4.05	18.22	3593	4.49	1.99	144390	6.71	79.79	180966
13	Kannur	31171	3.83	11.53	6834	8.54	2.53	232454	10.80	85.94	270459
14	Kasaragod	20171	2.47	13.82	2748	3.43	1.88	123057	5.72	84.30	145976
	State	814808	100	26.75	80041	100	2.63	2151622	100	70.62	304671

Table 3.1 District wise distribution of area under seasonal annual and perennial crops 1993-94

Sl. No.	District	Seasonal crops			Annual crops			Perennial crops			Total cropped area
		Area (hect)	Percent-age to total area	Percentage to total cropped area of the district	Area (hect)	Percent-age to total area	Percentage to total cropped area of the district	Area (hect)	Percentage to total area	Percentage to total cropped area of the district	
1	2	3	4	5	6	7	8	9	10	11	12
1	Thiruvananthapuram	52700	6.74	26.04	5780	6.77	2.86	143903	6.61	71.10	202383
2	Kollam	65591	8.39	29.78	59.67	6.99	2.71	148707	6.84	67.51	220265
3	Pathanamthitta	26266	3.36	22.35	4367	5.12	3.72	86900	3.99	73.94	117533
4	Alappuzha	63809	8.16	41.18	2844	3.33	1.84	88288	4.06	56.98	154941
5	Kottayam	41152	5.26	18.09	6883	8.07	3.03	179434	8.25	78.88	227469
6	Idukki	14687	1.88	6.97	5561	6.52	2.64	190536	8.76	90.39	210784
7	Eranakulam	76193	9.74	32.77	9042	10.60	3.89	147288	6.77	63.34	232523
8	Thrissur	74981	9.59	34.09	7496	8.79	3.41	137453	6.32	62.50	219930
9	Palakkad	207256	26.51	58.74	9897	11.60	2.80	135702	6.24	38.46	352855
10	Malappuram	61575	7.88	22.33	9181	10.76	3.33	204969	9.42	74.34	275725
11	Kozhikode	16926	2.16	7.99	3352	3.93	1.58	191673	8.81	90.43	211951
12	Wayanad	30532	3.91	16.21	4608	5.4	2.45	153259	7.04	81.35	188399
13	Kannur	30845	3.95	11.16	6904	8.09	2.50	238735	10.97	86.35	276484
14	Kasaragod	19336	2.47	12.77	3436	4.03	2.27	128686	5.92	84.96	151459
	State	781849	100	25.70	85319	100	2.80	2175533	100	71.50	3042701

Table 3.1 District wise distribution of area under seasonal annual and perennial crops 1994-95

Sl. No.	District	Seasonal crops			Annual crops			Perennial crops			Total cropped area
		Area (hect)	Percentage to total area	Percentage to total cropped area of the district	Area (hect)	Percentage to total area	Percentage to total cropped area of the district	Area (hect)	Percentage to total area	Percentage to total cropped area of the district	
1	2	3	4	5	6	7	8	9	10	11	12
1	Thiruvananthapuram	45814	6.05	23.15	6557	7.62	3.31	145531	6.60	73.54	197902
2	Kollam	60624	8.01	27.77	5850	6.80	2.68	151853	6.89	69.55	218327
3	Pathanamthitta	24193	3.20	20.11	4743	5.52	3.94	91390	4.14	75.95	120326
4	Alappuzha	66513	8.78	40.20	3366	3.92	2.03	95585	4.33	57.77	165464
5	Kottayam	38713	5.11	17.45	6555	7.62	2.95	176570	8.02	79.60	221838
6	Idukki	18656	2.46	8.42	6088	7.08	2.75	196894	8.93	88.83	221638
7	Eranakulam	72812	9.62	32.20	8950	10.40	3.96	144365	6.55	63.84	226127
8	Thrissur	70111	9.26	32.65	7375	8.57	3.43	137259	6.22	63.92	214745
9	Palakkad	202400	26.73	58.62	9911	11.52	2.87	132941	6.03	38.51	345252
10	Malappuram	57717	7.62	21.30	9265	10.77	3.42	203999	9.25	75.28	271011
11	Kozhikode	16145	2.13	7.30	3677	4.27	1.66	201201	9.12	91.04	221023
12	Wayanad	36791	4.86	18.95	4313	5.01	2.22	153034	6.94	78.83	194138
13	Kannur	29732	3.93	10.71	6615	7.69	3.38	241235	10.94	86.91	277582
14	Kasaragod	16936	2.24	11.07	2758	3.21	1.80	133273	6.04	87.13	152937
	State	757157	100	24.84	86023	100	2.82	2205130	100	72.34	3048310

From the above table it can be seen that out of the total cropped area of 30 lakhs hectares 8.15 (1992-93) 7.82 (1993-94) and 7.57 (1994-95) lakh hectares or 26.75% (1992-93) 25.70% (1993-94) and 24.84 (1994-95) of the cropped area were covered by seasonal crops. 0.8 lakhs hectares or 2.63% (1992-93), 0.85 lakh hectares or 2.8% (1993-94) and 0.86 lakh hectares or 2.82% (1994-95) by annual crops and 21.52 (1992-93) lakh hectares, 21.76 (1993-94) lakh hectares and 22.05 (1994-95) lakh hectares or 70.62%, 71.50%, 72.34% of cropped area by perennial crops.

Area under seasonal crops is highest in Palakkad district followed by Ernakulam district and the same is lowest in Idukki district with respect to the total area of the State in 1992-93, 1993-94 and Kasaragod in 1994-95. Palakkad, Ernakulam, Thrissur, Malappuram, Kollam and Alappuzha district together covered about 70% of the area under seasonal crops. Area under annual crops is highest in Palakkad district and area under perennial crops is highest in Kannur district during 1992-93, 1993-94 and 1994-95.

3.2 Classification of area under crops according to food and non food crops

The crops may be classified into food and non-food crops according to the use. Intensive multiple cropping of seasonal, annual and perennial crops is the pattern of cultivation in the State. The area under different crops classified into food and non-food crops are given in the table 3.2 of summary and 3.5 of detailed table classified into food and non-food crops are given in the table 2.2 of summary and 3.5 of detailed table.

Table 3.2 - District wise distribution of area under food crops 1992-93

(in hect.)

Sl. No	District	Food grains	% to cropped area	Fruits and vegetables	% to cropped area	Sugar crops, Spices & condiments	% to cropped area	Total food crops	% to cropped area
1	2	3	4	5	6	7	8	9	10
1	Thiruvananthapuram	21363	10.40	58036	28.25	7663	3.73	87062	42.38
2	Kollam	29776	13.61	62223	28.43	11629	5.31	103628	47.36
3	Pathanamthitta	13072	10.23	25433	19.90	9228	7.22	47733	37.35
4	Alappuzha	53627	32.98	29583	18.20	4447	2.74	87657	53.92
5	Kottayam	27508	11.67	30203	12.81	13357	5.67	71068	30.14
6	Idukki	5426	2.62	17564	8.48	77299	37.32	100289	48.42
7	Ernakulam	68613	27.32	29885	11.90	15309	6.10	113807	45.32
8	Thrissur	68070	32.15	30510	14.41	14577	6.88	113158	53.44
9	Palakkad	103187	46.42	50761	14.44	24047	6.84	237995	67.70
10	Malappuram	51636	19.30	57187	21.37	24226	9.05	133049	49.72
11	Kozhikode	11460	5.47	36418	17.38	23817	11.36	71695	34.21
12	Wayanad	21504	11.88	19981	11.04	46955	25.95	8840	48.87
13	Kannur	20701	7.65	69928	25.86	49915	18.46	140544	51.96
14	Kasaragod	15056	10.31	38207	26.17	20573	14.09	73836	50.58
	State	571000	18.74	555919	18.25	343042	11.26	1469961	48.25

Table 3.2 - District wise distribution of area under food crops 1993-94

(in hect.)

Sl. No	District	Food grains	% to cropped area	Fruits & vegetables	% to cropped area	Sugar crops, Spices & condiments	% to cropped area	Total food crops	% to cropped area
1	2	3	4	5	6	7	8	9	10
1	Thiruvananthapuram	20879	10.32	56071	27.71	8320	4.11	85022	42.01
2	Kollam	27963	12.70	63563	28.86	12502	5.68	103987	47.21
3	Pathanamthitta	12312	10.48	23706	20.17	9329	7.94	44464	37.83
4	Alappuzha	50877	32.84	27207	17.56	4335	2.80	82132	53.01
5	Kottayam	26655	11.72	29774	13.09	12975	5.70	68888	30.28
6	Idukki	4338	2.06	19835	9.41	79532	37.73	101475	48.14
7	Eranakulam	64059	27.55	29809	12.82	14062	6.05	107695	46.32
8	Thrissur	64106	29.15	36052	16.39	15877	7.22	115448	52.49
9	Palakkad	156115	44.24	50109	14.20	34693	9.83	232620	65.93
10	Malappuram	44559	16.16	59756	21.67	27446	9.95	130584	47.36
11	Kozhikode	10737	5.07	37414	17.65	23249	10.97	71102	33.55
12	Wayanad	21232	11.27	23629	12.54	50829	26.98	95242	50.55
13	Kannur	20050	7.25	70547	25.52	50297	18.19	140626	50.86
14	Kasaragod	14555	9.61	40475	26.72	21131	13.95	76017	50.19
	State	538437	17.70	567947	18.67	364577	11.98	1455302	47.83

Table 3.2 - District wise distribution of area under food crops 1994-95

(in hect.)

Sl. No	District	Food grains	% to cropped area	Fruits and vegetables	% to cropped area	Sugar crops, Spices & condiments	% to cropped area	Total food crops	% to cropped area
1	2	3	4	5	6	7	8	9	10
1	Thiruvananthapuram	20481	10.35	49633	25.08	8577	4.33	78691	39.76
2	Kollam	26450	12.11	57955	26.55	11550	5.29	95955	43.95
3	Pathanamthitta	11157	9.27	23425	19.47	8871	7.37	43453	36.11
4	Alappuzha	55110	33.31	29198	17.65	4847	2.93	89155	53.88
5	Kottayam	26367	11.89	26641	12.01	11270	5.08	64278	28.96
6	Idukki	6084	2.75	21984	9.92	82376	37.17	110444	49.83
7	Eranakulam	62364	27.58	28413	12.57	14251	6.30	105028	46.45
8	Thrissur	62699	29.20	32166	14.98	15202	7.08	110067	51.25
9	Palakkad	155884	45.15	45613	13.21	25679	7.44	227176	65.80
10	Malappuram	42615	15.72	56000	20.66	24960	9.21	123575	45.60
11	Kozhikode	9029	4.09	39902	18.05	24359	11.02	73290	33.16
12	Wayanad	23242	11.97	24891	12.82	54333	27.99	102466	52.78
13	Kannur	18773	6.76	72528	26.13	48649	17.53	139950	50.42
14	Kasaragod	12715	8.31	35913	23.48	22532	14.73	71160	46.53
	State	532970	17.48	544262	17.85	357456	11.73	1434688	47.07

From the above tables it can be seen that major part of the cultivation of food grains is concentrated in districts of Palakkad, Eranakulam, Thrissur and Alappuzha.

The percentage of area under food crops to the gross cropped area is highest in Palakkad district during 1992-93, 1993-94 and 1994-95 as 67.7%, 65.92% and 65.8% respectively. The same is lowest in Kottayam district. The percentage of area under food crops to the total cropped area are 48.25 (1992-93), 47.8 (1993-94) and 47.07 (1994-95).

The various aspects of area under food crops are summarised in the following paragraphs.

4.0 Irrigation

Agricultural production mainly depends on weather, irrigation, nature of seeds, fertilizers used, nature of soil, etc. Certain crops like paddy, required large quantity of water to grow. i.e., irrigation has much importance in cultivation. Because of the nature of terrain and heavy rainfall Kerala is blessed with 41 west flowing and 3 east flowing rivers which provide vast potential for irrigation and power generation. It is estimated that about 6 lakhs hectares (net) or 14 lakhs hectares (gross) of area could be brought under irrigation in Kerala through major and medium irrigation. According to EARAS estimation 3.3 lakhs (net) hectares and 3.76 lakhs (gross) hectares during 1992-93, 3.24 lakhs (net) hectares and 4.1 lakh (gross) hectares during 1993-94 and 3.6 lakh (net) hectares and 5.06 lakhs (gross) hectares during 1994-95 have been brought under irrigation. Frequent floods and occasional drought often affect the crops adversely. Because of heavy rainfall, flood control was the main concern of the farmers rather than irrigation. Though construction of dams and power generation are much easier than channelling of the impounded water to needy places was costly affair because of the nature of the terrain.

Consequently works on irrigation facilities have not taken much headway in Kerala and vast potential remain untapped. With the commissioning of various power and irrigation schemes flood control has been achieved to a considerable level. The declining trend in rainfall noticed during the past few years has made it all the more important to think of storing flood water during heavy rains and use it during draught periods by constructing check dams of varying capacities. There were on going major and medium irrigation projects in the state. Besides these minor and lift irrigation schemes as well as flood control schemes were also being taken up and implemented. Out of 19 ongoing projects under execution at the beginning of 8th plan 6 were started in 3rd plan, 4 in 4th Plan, 5 in 5th plan and 4 in 6th plan. The strategy adopted for the 8th Plan was the completion and commissioning of all the projects taken up during the 3rd and 4th Plan periods in a time bound manner by giving priority to their founding.

The 8th Five Year Plan envisages completion of 10 major irrigation projects. Against this the state could complete four projects namely Kuttiyadi, Pumba, Periyar Valley and Chitturpuzha. Phase I of Kallada project is nearing completion. Kanjirapuzha, Pazhassi, Muvattupuzha, Chimmoni-Mupli, Karapuzha and Kanakkan kadavu projects are also progressing. All these projects will be expected to complete by the end of 8th Plan.

The details of area irrigated under various sources are given below.

Table 4.0 - Source wise area under Irrigation

Sl. No.	Source of Irrigation	Area irrigated					
		1992-93		1993-94		1994-95	
		Total (hect)	% to total	Total (hect)	% to total	Total (hect)	% to total
1	2	3	4	5	6	7	8
1	Government canals	102942	30.78	102880	31.79	108633	30.35
2	Private canals	3745	1.12	3743	1.16	3464	0.97
3	Government Tanks and Wells	3153	0.94	3163	0.98	2961	0.83
4	Private Tanks and Wells	110913	33.16	111532	34.46	126274	35.27
5	Minor & Lift Irrigation	23495	7.03	23518	7.27	24078	6.73
6	Other sources	90209	26.97	78762	24.34	92548	25.85
	Total	334457	100.00	323598	100.00	357958	100.00

Weather and Crop condition

The weather condition of Kerala is generally favourable for agriculture. It has the advantage of both south west and north east monsoons. The rainfall pattern in Kerala which was showing perpetual deficiency during the last decade has staged a remarkable recovery during 1992. The average rainfall received during the year was 3330 mm. Which is about 10% higher than the normal. The intensity of rainfall followed more or less decaded trend during the summer season. During 1991-92, the south west and north east monsoons recorded excess rainfall causing heavy floods in October and November. Even though the total rainfall received by the southern districts for the year as a whole is relatively less than the northern districts, the intensity in the months of October and November in the districts of Thiruvananthapuram, Kollam, Pathanamthitta, Kottayam and Idukki was significantly higher than the rest of the State. Consequently these districts suffered extensive crop damages.

The rainfall in Kerala was below normal in 1993. The shortfall was entirely in the south west monsoon where the north eastern monsoon continued to be more with excess rainfall during 1993 as well. The high degree of temporal variation in Kerala's rainfall pattern is clearly visible during 1993 also with a bulk of rainfall concentrating in the five months from June to October. The heavy downpour during October caused floods in certain parts of the State. In spatial distribution also there was wide variations with Kasaragod, Idukki, Eranakulam, Thrissur, Kannur, Kottayam and Alappuzha received rainfall above normal. Kasaragod the highest and Palakkad the lowest rainfall. The southern districts in general received larger share of northeast monsoon.

Rainfall data pertaining to Kerala for the year 1994 shows that the State had the benefit of a bountiful and extensive rainfall for the year. The State is getting such an excellent rainfall for the first time during the course of last 10 years compared to the previous years. The temporal and spatial variations in the year had been lower. The promising feature of the rainfall pattern during 1994 was that there was near or above normal rainfall in all 12 months.

Part II

Summary Tables

Table 2.1 – Classification of area according to land utilization

Sl No		Area in sq.km.			Percentage to total		
		1992-93	1993-94	1994-95	1992-93	1993-94	1994-95
1	2	3	4	5	6	7	8
1	Total area according to village papers	38855	38855	38855	100.00	100.00	100.00
2	Forest	10815	10815	10815	27.83	27.83	27.83
3	Land put to non-agricultural uses	3028	3084	3228	7.79	7.94	8.31
4	Barren and uncultivable land	552	515	484	1.42	1.33	1.25
5	Permanent pastures and other glazing of land	17	16	15	0.04	0.04	0.04
6	Land under miscellaneous tree crops	341	367	324	0.88	0.94	0.83
7	Cultivable waste	912	898	824	2.35	2.31	2.12
8	Current fallow	420	492	478	1.08	1.27	1.23
9	Fallow otherthan current fallow	274	287	291	0.71	0.74	0.75
10	Net area sown	22496	22381	22395	57.90	57.60	57.64
11	Area sown more than once	7969	8046	8088	20.51	20.71	20.82
12	Total cropped area	30465	30427	30483	78.41	78.31	78.45
13	Total cultivated area	23190	23894	23165	59.68	61.50	59.62
14	Total cultivable area	24443	24425	24313	62.91	62.86	62.57

Table 2.2 Area under crops in Kerala 1992-93, 1993-94 and 1994-95

Class of crop	Name of crops	Area in hectares			Percentage change	Percentage change
		1992-93	1993-94	1994-95		
1	2	3	4	5	6	7
Cereals and Millets	1 Paddy	537608	507832	503290	-5.54	-0.89
	2 Jowar	5935	5486	4620	-7.57	-15.79
	3 Ragi	1706	1558	1763	-8.68	+13.16
	4 Other cereals and millets	2628	2087	3200	-20.59	+53.33
	5 Total cereals and millets	547877	517563	512873	-5.53	-0.91
Pulses including tur	6 Pulses	23123	20874	20097	-9.73	-3.72
Sugar crops	7 Sugar cane	6100	6235	6297	+2.21	+0.99
	8 Palmrah	9374	9424	9026	+0.53	-4.22
	9 Total sugar crops	15474	15659	15323	+1.20	-2.15
Spices and condiments	10 Pepper	183478	184410	186720	+0.51	+1.25
	11 Chillies	521	465	636	-10.75	+36.77
	12 Ginger	13937	11125	13866	-20.18	+24.64
	13 Turmaric	2938	3250	3938	+10.62	+21.17
	14 Tamarind	14673	16201	15780	+10.41	-2.60
	15 Cardamom	43386	43456	44237	+0.16	+1.80
	16 Arecanut (Betal)	63929	69153	71676	+8.17	+3.65
	17 Other spices	4706	5199	5280	10.48	+1.56
	18 Total spices and condiments	327568	348918	342133	+6.52	-1.94
	Fresh fruits	19 Mango	75462	78003	75911	+3.37
20 Jack		70850	75199	73315	+6.14	-2.51
21 Banana		23667	23850	25151	+0.77	+5.45
22 Other plantain		44290	48298	47415	+9.05	-1.82
23 Pineapple		5033	6012	6180	+19.45	+2.79
24 Other fresh fruits		19076	20316	20617	+6.50	+1.48
Dry fruits	25 Cashew nut	109035	106733	103451	-2.11	-3.07
	26 Total fruits	347413	358411	352040	+3.17	-1.78
Vegetables	27 Tubers	31057	31914	32039	+2.76	+0.39
	28 Sweet potato	2492	2279	1990	-8.55	-12.68
	29 Tapioca	135033	130987	114289	2.99	-12.75
	30 Other vegetables	21866	25052	23774	+14.57	-5.10
	31 Total vegetables	208506	209536	192222	+0.49	-8.26

1	2	3	4	5	6	7
Oil seeds	32 Coconut	877012	882293	910963	+0.60	+3.25
	33 Sesamum	8012	7891	6563	-1.51	-16.83
	34 Groundnut	15535	16514	14312	+6.30	-13.33
	35 Other oil seeds	1782	2079	1793	+16.67	-13.76
	36 Total oil seeds	902341	908777	933631	+0.71	+2.73
Fibre	37 Cotton	12253	13753	12289	+12.24	-10.64
Drugs & Narcotics	38 Betel leaves	951	924	980	-2.84	+6.06
	39 Tobacco	164	182	173	+10.98	-4.95
Plantation crops	40 Lemongrass	2027	1722	1976	-15.05	+14.75
	41 Tea	34488	34793	34745	+0.88	-0.14
	42 Coffee	84000	82348	82348	-1.97	0
	43 Cocoa	9315	8240	6907	-11.54	-16.18
	44 Rubber	444096	437100	443300	-1.58	+1.42
	45 Total drugs, narcotics and plantation crops	575041	565309	570429	-1.69	+0.91
Other non-food crops	46 Fodder grass	1664	1991	2031	+19.65	+2.01
	47 Green manure crops	12431	14144	15113	+13.75	+6.85
	48 Other non-food crops	72780	83425	79811	+14.63	-4.33
	49 Total non-food crops	1576510	1587399	1613622	+0.69	+1.65
	50 Total cropped area	3046471	3042701	3048310	-0.12	+0.18
	51 Area sown more than once	796878	804599	808820	+0.97	+0.53
	52 Net area sown	2249593	2238102	2239490	-0.51	+0.06

Table 2.3 Production of important crops 1992-93, 1993-94 and 1994-95

1	Name of crop	Unit	Quantity product			Percent age change	Percent age change
			1992-93	1993-94	1994-95		
1	2	3	4	5	6	7	8
1	Rice	Ton.	1084878	1003938	975065	-7.46	-2.88
2	Jower	"	3021	2794	2352	-7.51	-15.82
3	Ragi	"	1380	1254	1426	-9.13	+13.72
4	Other cereals	"	2044	2100	2492	+2.74	+18.67
5	Pulses	"	17070	15322	14527	-10.24	-5.19
6	Sugar cane	"	49874	50907	53980	+2.07	+6.04
7	Black pepper	"	49666	49845	59256	-10.36	+18.88
8	Dry chillies	"	520	461	644	-11.35	+39.70
9	Dry ginger	"	45403	37676	49748	-17.02	+32.04
10	Cured turmeric	"	5662	6296	9283	+11.20	+47.44
11	Processed cardamom	"	2570	4430	4720	+72.37	+6.55
12	Areca nut (Betal nuts)	Million nuts	13643	15357	17466	+12.56	+13.73
13	Nutmeg	Ton	7177	7861	2844	+9.53	-63.82
14	Tamarind	"	36431	40481	36668	+11.12	-9.42
15	Jack	1000 nos.	303620	284650	303247	-6.25	+6.53
16	Mango	Ton	266346	247426	323517	-7.10	+30.75
17	Banana	"	308871	339994	342006	+10.08	+0.59
18	Other plantain	"	211186	233674	232258	+10.65	-0.61
19	Pineapple	"	46706	56847	58033	+21.71	+2.09
20	Pappaya	"	54840	58155	58682	+6.04	+0.91
21	Cashew nut	"	95623	79925	95548	-16.42	+19.55
22	Drumstick	"	19355	20937	21748	+8.17	+3.87
23	Sweet potato	"	20323	18281	20616	+10.05	+12.87
24	Tapioca	"	2629127	2602212	2344238	-1.02	-0.99
25	Groundnut	"	11546	13304	10079	+15.23	-24.2
26	Sesamum	"	1696	2047	1859	+20.70	-9.18
27	Coconut	Million nuts	5124	5192	5336	+1.33	+2.77
28	Cotton	Bale of 170 kg.	19776	22197	19834	+12.24	-10.65
29	Tobacco	Ton	307	341	324	+11.07	-4.99
30	Lemon grass oil	"	98	88	102	-10.20	+15.91
31	Tea	"	54435	61488	60715	+12.96	-1.26
32	Coffee	"	36170	46240	46240	+27.84	0
33	Rubber	"	368646	408311	442830	+10.76	-18.45
34	Cocoa	"	5323	5262	4288	+1.15	-18.51

Table 2.4 Average Farm Prices of important agricultural commodities 1992-93

District	Paddy (Qtl)	Coconut (100 Nos)	Areca nut (100 Nos)	Tapioca (Qtl)	Cashew (Qtl)	Banana (100 Nos)	Pepper (Qtl)	Ginger (Qtl)	Sugarcane (MT)
1	2	3	4	5	6	7	8	9	10
TVPM	418.52	367.45	37.97	190.21	1918.33	118.06	2481.48	-	-
Kollam	434.08	406.04	35.34	162.37	1978.50	107.76	2664.06	2615.91	-
PTA	425.20	428.51	38.94	205.33	2142.50	108.00	2606.86	2538.37	311.25
ALP.	421.34	423.85	32.98	170.78	1938.00	110.69	2225.00	-	-
KTM	409.14	416.92	31.26	207.96	1812.13	103.73	2598.83	2540.61	-
Idukki	437.19	480.68	32.48	201.36	1770.58	89.50	2649.21	2199.22	356.11
EKM	415.77	449.68	33.86	191.10	2087.22	84.42	2678.02	2689.79	-
TCR	407.88	410.88	35.24	179.67	1982.78	103.54	2622.12	-	-
PKD	393.12	404.55	30.27	145.00	1983.42	87.67	2608.13	2344.89	376.43
MLPM	411.17	401.98	32.14	175.89	2033.68	82.30	2614.32	-	-
KZD	450.14	407.25	24.20	189.93	2032.71	82.94	2606.53	2418.85	-
WYND	395.95	437.92	27.48	173.82	1597.92	56.30	2686.74	2429.58	-
Kannur	449.65	401.32	26.36	210.28	2100.00	81.21	2634.72	2426.98	-
KSGD	422.08	444.90	41.23	223.75	2083.33	98.33	2595.83	2185.00	-
State	420.80	420.14	32.84	201.55	1961.51	93.89	2590.85	2438.92	347.93

**Table 2.4 Average Farm Prices of important agricultural commodities
(Farm price) 1993-94**

District	Paddy (Qtl)	Coconut (100 Nos)	Arecanut (100 Nos)	Tapioca (Qtl)	Cashew (Qtl)	Banana (100 Nos)	Pepper (Qtl)	Ginger (Qtl)	Sugarcane (MT)
1	2	3	4	5	6	7	8	9	10
TVPM	420.37	293.44	38.19	195.42	2052.50	135.33	3926.67	-	-
Kollam	412.46	318.13	34.74	170.16	2088.50	118.45	3759.62	2883.33	-
PTA	410.21	348.71	34.02	199.96	2087.75	124.13	4009.27	3017.95	575.36
ALP.	410.03	324.97	30.94	182.22	1971.39	118.33	4300.00	-	-
KTM	419.70	336.88	33.91	205.82	2134.72	103.30	4008.27	2917.60	-
Idukki	434.27	374.64	31.63	191.70	2001.67	97.17	4068.14	2917.29	400.00
EKM	401.28	351.34	34.03	186.63	2268.93	104.10	3871.18	3024.72	-
TCR	410.21	318.43	37.79	200.92	2219.33	124.58	3851.56	-	-
PKD	415.62	292.83	29.88	161.42	2091.83	97.34	3864.06	2757.95	425.00
MLPM	401.34	272.03	29.99	183.80	2214.58	88.78	3918.23	-	-
KZD	447.85	294.05	23.64	187.36	2231.94	96.32	3920.49	2812.71	-
WYND	394.79	407.68	43.75	183.33	1995.42	84.22	4074.79	2795.90	-
Kannur	427.36	295.90	28.60	211.74	2517.71	97.89	3944.79	2716.67	-
KSGD	397.92	328.65	44.69	289.58	2300.00	122.08	3925.00	2930.00	-
State	414.53	325.55	33.99	196.43	2155.45	108.00	3960.15	2877.41	466.79

**Table 2.4 Average Farm Prices of important agricultural commodities
(Farm price) 1994-95**

District	Paddy (Qtl)	Coconut (100 Nos)	Arecanut (100 Nos)	Tapioca (Qtl)	Cashew (Qtl)	Banana (100 Nos)	Pepper (Qtl)	Ginger (Qtl)	Sugarcane (MT)
1	2	3	4	5	6	7	8	9	10
TVPM	515.78	286.93	43.77	227.54	2300.00	143.70	6695.45	-	-
Kollam	495.83	314.21	38.89	210.60	2488.00	146.98	6760.42	5642.50	-
PTA	501.67	300.96	36.53	230.77	2503.37	143.63	6651.04	5356.42	600.00
ALP.	511.03	316.35	36.07	222.57	2234.58	139.94	6340.00	-	515.50
KTM	491.50	323.92	33.46	240.92	2216.46	123.11	6748.00	5405.68	-
Idukki	500.83	322.28	34.57	212.74	2387.50	122.50	6794.00	5152.60	500.00
EKM	467.50	330.18	34.32	194.76	2486.33	105.68	6788.96	5474.24	-
TCR	485.48	311.67	43.69	214.38	2505.76	155.07	6629.82	-	-
PKD	516.20	291.13	32.82	173.89	2466.25	100.18	6613.54	5144.79	471.88
MLPM	465.63	279.43	35.16	203.53	2736.81	110.48	6650.87	-	-
KZD	547.30	297.01	29.03	196.53	2516.67	112.69	6780.18	5262.50	-
WYND	485.49	329.93	45.00	182.85	2106.25	91.38	6794.58	5216.67	-
Kannur	444.58	285.97	30.77	231.25	2685.00	127.03	6730.38	5219.91	-
KSGD	499.17	319.90	47.67	297.44	2662.50	137.48	6705.21	5237.50	-
State	494.86	307.85	37.27	217.13	2449.68	125.70	6691.60	5311.28	521.85

Table 2.5 Sowing, harvesting and peak marketing seasons of principal crops in Kerala

Sl. No	Crop	Season	Period of sowing	Period of flowering	Period of harvesting	Peak marketing period
1	2	3	4	5	6	7
1	Rice	Autumn	April – July	July – October	August – October	September – November
		Winter	August – November	October – January	November – January	December – March
		Summer	October – December	January – March	March – May	March – June
2	Ragi	I Crop	April-July	October-November	September-November	September-November
		II Crop	September-October	September-October	October-November	October-November
		IIICrop	May-June-December	September-October- January-December	October-November-February	October-November
3	Small millets	Autumn	April – July	July – November	September-November	December-January
		Summer	January-February	March	April	April
4	Redgram	Autumn	May – August	June-September	August-October	August-October
		Winter	August-November	September-November	October-January	December-January
		Summer	February-March	May	May	June
5	Horsegram	Autumn	February-April	March-April	April – June	May-June
		Winter	September-November	October-November	November-January	November-February
		Summer	December-February	January-April	April	April
6	Greengram	Autumn	June-August	August-September	August-September	September-December
		Winter	October	November	November-December	November-December
		Summer	September-October	October-November	November-December	December-January
7	Blackgram	Winter	March-June	July-August	June-September	September-October
		Summer	September-October	October-November	November-December	December-January
8	Others	Autumn	April-July	July-August	June-September	September-October
		Winter	September-December	October-December	November-February	December-March
		Summer	December-March	January-April	February-June	April

1	2	3	4	5	6	7
9	Sugarcane	Autumn	October-February	-	October-December	November-December
		Winter	November-March	-	December-February	January-February
		Summer	June-October	September - October	September - October	January - October
10	Ginger	Autumn	March-July	-	November-February	December-February
		Winter	March-June	-	December-February	December-March
11	Pepper	Winter	June-August	July-October	November-February	November-March
		Summer	July	July-September	January-April	March-May
12	Cotton	Winter	June-October	November-December	December-March	February-March
13	Sesamum	Autumn	April-Agu	July-September	August-October	July-October
		Winter	August-October	October-December	December-April	December-February
		Summer	December-February	February-April	March-May	March-May
14	Sweet potato	Autumn	April-July		September-November	November-February
		Winter	October-November		January-February	February-March
		Summer	December-March		March-June	April-June
15	Turmeric		April-July		November-February	November-March
16	Lemongrass		May - June		January-February	January-February
					April-May	April-May
17	Tapioca	Autumn	July-October		July-August	July-September
		Winter	March-May		November-March	December-February
		Summer	June-October		March-July	March-July
			October-November		April-May	
18	Mango			December	April-May	April-May
19	Arecanut			June	July-September	August-September
20	Tubers	Autumn	February-March	-	July-September	August-September
		Winter	March-April	-	November-January	December-January
21	Banana	Autumn	August-September	April-May	July-August	July-August
		Winter	December-January	August-October	November-January	December-January
22	Tobacco	Winter	November-December		March-April	May-June

Part III

Summary Tables

Table 3.1 – District wise monthly rainfall 1993 (in mm.)

Sl No	District	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	0	3	27	103	191	415	329	61	56	324	466	104	2079
2	Kollam	0	50	49	157	179	542	573	205	161	464	363	91	2834
3	Pathanamthitta	0	29	41	161	264	631	717	194	85	542	248	48	2960
4	Alappuzha	0	18	9	55	168	719	773	184	143	565	252	51	2937
5	Kottayam	0	15	13	78	223	832	847	174	110	582	178	60	3112
6	Idukki	0	42	23	105	141	530	890	505	153	412	130	28	2959
7	Ernakulam	0	33	18	70	216	828	905	262	116	488	104	49	3089
8	Thrissur	0	10	8	36	222	891	882	245	89	540	104	15	3042
9	Palakkad	0	22	1	22	113	364	559	300	33	347	92	13	1866
10	Malappuram	0	18	22	54	133	584	687	304	43	380	116	9	2350
11	Kozhikode	0	2	0	15	135	847	863	311	53	384	118	57	2785
12	Wayanad	0	4	23	100	111	491	841	417	42	232	30	27	2318
13	Kannur	0	0	0	0	99	834	1070	426	74	321	49	108	2981
14	Kasaragod	0	0	57	29	126	966	1316	443	89	372	73	21	3492
	State	0	17.6	20.8	70.4	165.8	676.7	803.7	287.9	89.1	425.2	165.9	48.6	2771.7

Table 3.2 – District wise monthly rainfall 1992 (in mm.)

Sl No	District	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	38	0	0	18	248	653	289	161	195	440	335	17	2394
2	Kollam	2	7	2	67	316	609	539	268	355	539	497	12	3213
3	Pathanamthitta	13	9	0	60	317	575	665	370	303	453	479	12	3256
4	Alappuzha	0	5	0	13	368	653	666	394	283	353	354	9	3098
5	Kottayam	0	0	0	47	361	829	777	475	262	313	294	17	3375
6	Idukki	1	3	0	115	250	934	1009	552	333	316	228	4	3745
7	Eranakulam	0	2	0	37	308	825	891	493	359	326	291	6	3538
8	Thrissur	0	18	0	40	207	920	925	562	383	414	385	0	3854
9	Palakkad	0	0	0	31	88	557	626	388	212	168	248	0	2318
10	Malappuram	0	0	0	60	121	797	772	538	251	250	260	0	3049
11	Kozhikode	0	0	0	65	195	966	954	600	284	287	263	0	3614
12	Wayanad	0	0	0	21	137	1063	814	521	256	150	207	0	3171
13	Kannur	0	0	0	14	143	1184	980	782	313	218	396	0	4030
14	Kasaragod	0	0	0	6	101	792	1288	821	280	186	489	0	3963
	State	3.9	3.1	0.1	42.4	225.7	811.2	799.6	494.6	290.6	315.2	337.6	5.5	3329.9

Table 3.2 – District wise monthly rainfall 1994 (in mm.)

Sl No	District	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	27	57	15	107	210	256	282	242	129	392	186	42	1945
2	Kollam	37	94	35	166	306	541	477	377	214	465	223	5	2940
3	Pathanamthitta	34	57	41	136	281	507	593	413	168	660	111	44	3045
4	Alappuzha	44	58	21	113	229	550	638	437	203	485	148	0	2926
5	Kottayam	50	95	37	214	178	676	631	538	199	446	152	9	3225
6	Idukki	42	34	13	160	127	878	1038	638	324	481	147	1	3873
7	Ernakulam	98	8	12	174	193	895	901	526	258	540	139	0	3744
8	Thrissur	34	3	27	140	96	1047	1067	552	259	467	75	0	3767
9	Palakkad	11	5	8	179	53	668	819	261	186	355	95	0	2640
10	Malappuram	7	1	20	185	83	811	1138	411	177	511	129	1	3474
11	Kozhikode	1	0	23	233	96	1153	1421	527	180	452	94	4	4184
12	Wayanad	44	9	5	129	129	883	1257	392	208	285	67	0	3408
13	Kannur	0	0	6	174	63	1315	1426	614	177	357	46	0	4178
14	Kasaragod	0	0	9	89	66	1461	1501	795	188	380	48	0	4537
	State	30.6	30.1	19.4	157.1	150.7	831.5	941.4	480.2	205	448.3	118.6	7.6	3420.4

Table 3.3 – Classification of area under land utilization 1992-93

Sl No	District	Total Geographical area	Forest	Land put to non agricultural uses	Barren & uncultivable land	Permanent pastures and other grazing land	Land under misc. tree crops	Cultivable waste	Fallow other than current fallow	Current fallow	Net area sown	Area sown more than once	(Area in hectares)	
													Total cropped area	14
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1	Thiruvananthapuram	218600	49861	20952	986	29	126	665	569	791	144621	60801	205422	
2	Kollam	251838	81438	23882	550	18	180	584	656	1414	143116	75710	218826	
3	Pathanamthitta	268750	155214	10985	673	6	99	458	565	1165	99585	28207	127792	
4	Alappuzha	136058	--	23890	207	5	188	2224	1519	2998	105027	57553	162580	
5	Kottayam	219550	8141	21831	1866	24	176	925	2437	2975	181175	54603	235778	
6	Idukki	514962	260907	16930	12977	635	11562	22790	950	1050	187161	19960	207121	
7	Ernakulam	235319	8123	34684	1672	88	654	3187	2215	2467	182229	68871	251100	
8	Thirissur	299390	103619	27613	1394	72	751	2904	3644	4701	154692	57056	211748	
9	Palakkad	438980	136257	33038	9393	81	6928	21796	5089	7942	218456	133061	351517	
10	Malappuram	363230	103417	21975	5145	124	2118	10205	4437	7370	208439	59166	267605	
11	Kozhikode	233330	41386	21181	1626	69	2008	1594	962	1683	162821	46760	209581	
12	Wayanad	212560	78787	7308	1232	102	2232	3523	1477	2004	115895	65071	180966	
13	Kannur	296797	48734	23140	6168	207	5138	4380	1252	3321	204457	66002	270459	
14	Kasaragod	196133	5625	15389	11340	239	1894	15998	1632	2097	141919	4057	145976	
15	State	3885497	1081509	302798	55229	1699	34054	91233	27404	41978	2249593	796878	3046471	

The estimates are based on survey conducted in the Revenue land (as per Village Records). Therefore the area under cultivation in forestland is not included.

Table 3.3 – Classification of area under land utilization 1993-94

Sl No	District	Total Geographical area	Forest	Land put to non agricultural use	Barren & uncultivable land	Permanent pastures and other grazing land	Land under misc. tree crops	Cultivable waste	Fallow other than current fallow	Current fallow	Net area sown	Area sown more than once	Total cropped area	(Area in hectares)	
														3	4
1	2	3	4	5	6	7	8	9	10	11	12	13	14		
1	Thiruvananthapuram	218600	49861	21142	892	29	126	665	538	564	144782	57601	202383		
2	Kollam	251838	81438	23825	525	14	230	51	688	1662	143405	76860	220265		
3	Pathanamthitta	268750	155214	11007	575	8	219	498	714	1718	98797	18736	117533		
4	Alappuzha	136058	--	24004	197	4	188	2818	1610	3603	103634	51307	154941		
5	Kottayam	219550	8141	21801	1854	24	176	925	2437	2975	181217	46252	227469		
6	Idukki	514962	260907	16933	11867	635	11562	22790	833	909	188526	22258	210784		
7	Eranakulam	235319	8123	36985	1557	73	820	3231	2815	2027	179688	52835	232523		
8	Thrissur	299390	103619	27692	1011	62	622	2682	2464	4512	155726	64304	219930		
9	Palakkad	438980	136257	35412	9324	69	8822	25840	6787	16250	200217	152638	352855		
10	Malappuram	363230	103417	22060	5132	108	2214	9677	3861	6240	210521	65187	275725		
11	Kozhikode	233330	41386	21300	1581	65	2105	1278	925	1711	162979	48972	211951		
12	Wayanad	212560	78787	7430	1228	98	2438	2888	1286	1986	116419	71980	188399		
13	Kannur	296797	48734	23197	5831	197	5230	4158	1202	3024	205224	71260	276484		
14	Kasaragod	196133	5625	15651	9956	183	1961	12268	1532	1990	146967	4492	151459		
	State	3885497	1081509	308439	51530	1569	36713	89769	28695	49171	2238102	804599	3042701		

The estimates are based on survey conducted in the Revenue land (as per Village Records). Therefore the area under cultivation in forestland is not included.

Table 3.3 – Classification of area under land utilization 1994-95

Sl No	District	Total Geographical area	Forest	Land put to non agricultural use	Barren & uncultivable land	Permanent pastures and other grazing land	Land under misc. tree crops	Cultivable waste	Fallow other than current fallow	Current fallow	Net area sown	Area sown more than once	Total cropped area	(Area in hectares)	
														10	11
1	2	3	4	5	6	7	8	9	10	11	12	13	14		
1	Thiruvananthapuram	218600	49861	21718	780	25	116	724	507	752	144117	53785	197902		
2	Kollam	251838	81438	22663	236	16	155	476	635	1494	144725	73602	218327		
3	Pathanamthitta	268750	155214	16161	514	4	128	509	691	1453	94076	26250	120326		
4	Alappuzha	136058	--	23947	236	4	153	2936	1564	4267	102951	62513	165464		
5	Kottayam	219550	8141	21522	1754	39	139	824	2162	2907	182062	39776	221838		
6	Idukki	514962	260907	17320	12422	601	10420	16112	804	1694	194682	26956	221638		
7	Eranakulam	235319	8123	35339	1556	64	651	3269	2394	2509	181423	44704	226127		
8	Thrissur	299390	103619	28527	1037	67	744	3115	2961	5579	153741	61004	214745		
9	Palakkad	438980	136257	37563	7296	84	6035	23607	8573	10087	209478	135774	345252		
10	Malappuram	363230	103417	24340	4707	81	1768	8483	3800	7877	208757	62254	271011		
11	Kozhikode	233330	41386	21906	1439	49	1468	922	853	1930	163377	57646	221023		
12	Wayanad	212560	78787	8456	946	91	2344	2874	1283	2012	115767	78371	194138		
13	Kannur	296797	48734	26928	5204	182	5030	4258	1077	2892	202492	75090	277582		
14	Kasaragod	196133	5625	16445	10307	148	3234	14341	1843	2348	141842	11095	152937		
	State	3885497	1081509	322835	48434	1455	32385	82441	29147	47801	2239490	808820	3048310		

The estimates are based on survey conducted in the Revenue land (as per Village Records). Therefore the area under cultivation in forestland is not included.

Table 3.4 – Area under Crops 1992--93

(Area in hectares)

District	Cereals and Millets							Pulses including Tur				Total food grains	
	Paddy			Jowar	Ragi	Other cereals	Total cereals/ millets	Autumn	Winter	Summer	Total		
	Autumn	Winter	Summer										Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. Thiruvananthapuram	9203	8853	305	18361	-	-	6	18367	85	393	2518	2996	21363
2. Kollam	13948	14353	159	28460	-	-	6	28466	450	101	759	1310	29776
3. Pathanamthitta	3864	4780	4248	12892	-	-	-	12892	21	29	130	180	13072
4. Alappuzha	18653	17927	16764	53344	-	-	4	53348	16	54	209	279	53627
5. Kottayam	8206	7974	9268	25448	-	-	-	25448	61	49	1950	2060	27508
6. Idukki	2027	2370	-	4397	-	-	44	4441	66	41	878	985	5426
7. Ernakulam	23704	25581	16873	66158	-	-	-	66158	190	49	2216	2455	66613
8. Thrissur	22177	31732	13242	67151	-	-	1	67152	708	54	157	919	68071
9. Palakkad	74156	70099	1840	146095	5932	1698	2502	156227	1675	4915	370	6960	163187
10. Malappuram	20582	26235	4091	50908	-	7	3	50918	331	52	335	718	51636
11. Kozhikode	2377	6600	1778	10755	-	-	-	10755	160	147	398	705	11460
12. Wayanad	-	16394	4741	21135	1	-	-	21136	4	5	359	368	21504
13. Kannur	11722	6189	423	18334	2	1	13	18350	19	807	1525	2351	20701
14. Kasaragod	8132	5009	1029	14170	-	-	49	14219	28	376	433	837	15056
State	218751	244096	74761	537608	5935	1706	2628	547877	3814	7072	12237	23123	571000

Table 3.4 (contd.)

District	Sugar crops			Spices and condiments										Total
	Sugar-cane	Palmy-rah	Total	Pepper	Chillies	Ginger	Turmeric	Cardamom	Areca nut	Tamarind	Cloves	Nutmeg	Cinnamon	
1	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1. Thiruvananthapuram	3	304	307	4161	-	81	12	174	1640	1142	77	61	8	7356
2. Kollam	50	27	77	8164	-	328	85	-	2024	847	44	53	7	11552
3. Pathanamthitta	840	45	885	5117	-	599	46	913	1126	243	94	195	10	8343
4. Alappuzha	264	22	286	1947	-	104	13	-	1622	376	22	65	12	4161
5. Kottayam	187	345	532	9704	-	404	239	205	1272	314	210	444	33	12825
6. Idukki	2359	176	2535	39163	-	1278	295	31824	1745	154	99	191	15	74764
7. Ernakulam	9	250	259	6963	-	1761	714	-	3148	570	80	1783	31	15050
8. Thrissur	-	555	555	5596	-	132	78	-	5721	1888	61	535	11	14022
9. Palakkad	2362	5259	7621	3359	223	864	410	3685	2777	5021	5	37	45	16426
10. Malappuram	11	1443	1454	8785	2	192	147	71	11485	1954	14	101	21	22772
11. Kozhikode	4	304	308	14690	-	280	359	1194	5996	882	20	58	30	23509
12. Wayanad	2	312	314	32613	5	7198	201	4350	2084	155	6	12	17	46641
13. Kannur	7	251	258	35654	35	509	276	130	12028	882	6	74	63	49657
14. Kasaragod	2	81	83	7562	256	207	63	840	11261	245	3	44	9	20490
State	6100	9374	15474	183478	521	13937	2938	43386	63929	14673	741	3653	312	327568

Table 3.4 (contd.)

Districts	Fresh fruits										Dry fruit		Total fruits
	Jack	Mango	Banana	Other plantain	Pineapple	Pappaya	Other fresh fruits	Total	Cashew	Total			
1	29	30	31	32	33	34	35	36	37	38			
1. Thiruvananthapuram	5737	5364	685	4332	177	580	526	17401	3455	20856			
2. Kollam	5702	5551	973	4142	224	791	418	17801	6100	23901			
3. Pathanamthitta	2767	1792	1041	2614	150	465	428	9256	1691	10948			
4. Alappuzha	2456	4687	397	2156	78	804	582	11160	5915	17075			
5. Kottayam	3387	2257	2469	3476	670	747	558	13564	950	14514			
6. Idukki	3580	1762	542	1930	279	368	389	8850	706	9556			
7. Ernakulam	3992	4015	3471	3197	1796	1097	538	18106	2213	20319			
8. Thrissur	3616	6012	1842	4613	134	1234	809	18260	5793	24053			
9. Palakkad	4183	7501	3399	4075	69	883	688	20798	9025	29823			
10. Malappuram	7237	9490	3740	3209	237	723	670	26306	14025	40331			
11. Kozhikode	9018	9630	1139	2439	165	1514	320	24225	3814	28039			
12. Wayanad	7166	3489	1694	1833	64	252	329	14827	790	15617			
13. Kannur	9842	11387	1649	4238	930	1273	450	29769	29277	59046			
14. Kasaragod	2167	2525	626	2036	60	377	263	8054	25281	33335			
State	70850	75462	23667	44290	5033	12108	6968	238578	109035	347413			

Table 3.4 (contd.)

Districts	Vegetables										
	Drumstick	Tubers	Sweet potato	Tapioca			Total	Other vegetables	Total vegetables	Total food crops	
				Autu-mn	Winter	Sum-mer					
1	39	40	41	42	43	44	45	46	47	48	
1. Thiruvananthapuram	2244	1447	67	12010	14068	5682	31760	1662	37180	87062	
2. Kollam	1817	6286	1	6678	22589	481	29748	470	38322	103628	
3. Pathanamthitta	600	4290	-	1130	6918	870	8918	677	14485	47733	
4. Alappuzha	1014	3918	-	1224	4585	465	6274	1302	12508	87657	
5. Kottayam	950	1678	1	845	9487	495	10827	2233	15689	71068	
6. Idukki	388	796	14	874	4706	82	5662	1148	8008	100289	
7. Ernakulam	839	1357	24	1715	3228	767	5710	1636	9566	113807	
8. Thrissur	1074	1118	32	904	1753	444	3101	1152	6457	113158	
9. Palakkad	1513	3168	1400	3433	5149	1493	10075	4782	20938	237995	
10. Malappuram	2020	2248	346	3225	4464	1782	9471	2771	16856	133049	
11. Kozhikode	3427	3432	25	1355	1476	326	3157	338	8379	71695	
12. Wayanad	412	1879	7	425	554	461	1420	646	4364	88440	
13. Kannur	1279	1158	81	1150	4794	690	6634	1730	10882	140544	
14. Kasaragod	481	282	494	285	1818	173	2276	1339	4872	73836	
State	18058	31057	2492	35253	85569	14211	135033	21866	208506	1469961	

Table 3.4 (contd.)

District	Oil seeds				Drugs & Narcotics				Plantation crops						
	Ground-nut	Sesamum	Coconut	Others	Total	Fiber cotton	Betel leaves	Tobacco	Lemon grass	Total	Tea	Coffee	Rubber	Cocoa	Total
1	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
1. Thiruvananthapuram	1	18	86601	79	86699	-	64	-	18	82	1023	-	27864	409	29296
2. Kollam	-	1113	76658	109	77880	-	62	-	8	70	1362	-	32819	315	34496
3. Pathanamthitta	-	52	25635	34	25721	-	74	-	3	77	-	-	50492	833	51325
4. Alappuzha	-	2455	67501	113	70069	-	46	-	-	46	-	-	2569	637	3206
5. Kottayam	-	85	44992	39	45116	-	21	-	7	28	2036	-	110997	2426	115459
6. Idukki	-	127	17298	23	17448	-	3	-	816	819	23337	12580	35785	1715	73417
7. Ernakulam	-	1148	65201	71	66420	-	43	-	44	87	2	-	65757	1376	67135
8. Thrissur	-	563	85600	189	86352	-	32	-	5	37	466	-	7571	290	8327
9. Palakkad	15534	504	39514	870	56422	12253	6	-	71	77	744	2290	25531	85	28650
10. Malappuram	-	1722	98931	61	100714	-	550	-	11	561	174	-	21723	177	22074
11. Kozhikode	-	21	122007	21	122049	-	16	-	99	115	-	-	12189	384	12573
12. Wayanad	-	123	5605	34	5762	-	-	-	775	775	5344	69130	5567	280	80321
13. Kannur	-	47	93304	99	93450	-	10	-	126	136	-	-	27015	210	27225
14. Kasaragod	-	34	48165	40	48239	-	24	164	44	232	-	-	18217	178	18395
State	15535	8012	877012	1782	902341	12253	951	164	2027	3142	34488	84000	444096	9315	571899

Table 3.4 (contd.)

District	Fodder grass	Green manure crops	Other non food crops	Total nonfood crops	Total cropped area
I	64	65	66	67	68
1. Thiruvananthapuram	100	318	1865	118360	205422
2. Kollam	305	602	1845	115198	218826
3. Pathanamthitta	114	783	2039	80059	127792
4. Alappuzha	149	125	1328	74923	162580
5. Kottayam	257	339	3511	164710	235778
6. Idukki	231	174	14743	106832	207121
7. Ernakulam	65	165	3421	137293	251100
8. Thrissur	22	590	3262	98590	211748
9. Palakkad	139	1356	14625	113522	351517
10. Malappuram	7	4315	6885	134556	267605
11. Kozhikode	15	1122	2012	137886	209581
12. Wayanad	52	631	4985	92526	180966
13. Kannur	136	1108	7860	129915	270459
14. Kasaragod	72	803	4399	72140	145976
State	1664	12431	72780	1576510	3046471

Table 3.4 – Area under Crops 1993 – 94

District	Cereals and Millets											Pulses including Tur				Total food grains
	Paddy			Jowar	Ragi	Other cereals	Total cereals/millets	Autumn			Summer			Total		
	Autumn	Winter	Summer					Autumn	Winter	Summer	Autumn	Winter	Summer			
	Total															
1	2	3	4	5	6	7	8	9	10	11	12	13	14			
1 Thiruvananthapuram	9247	8707	149	18103	-	-	-	18103	72	288	2416	2776	20879			
2 Kollam	12862	13858	55	26775	-	-	3	26778	198	50	937	1185	27963			
3 Pathanamthitta	3572	4735	3884	12191	-	-	-	12191	5	9	107	121	12312			
4 Alappuzha	16686	19508	14587	50781	-	-	-	50781	14	17	65	96	50877			
5 Kottayam	5273	9817	9606	24696	-	-	-	24696	41	56	1862	1959	26655			
6 Idukki	1727	1921	-	3648	-	7	35	3690	16	31	601	648	4338			
7 Ernakulam	22668	23697	14922	61287	-	1	-	61288	112	64	2595	2771	64059			
8 Thrissur	21249	30245	12014	63508	-	-	-	63508	304	37	257	598	64106			
9 Palakkad	72128	66465	1176	139769	5482	1532	2470	149253	2521	3843	498	6862	156115			
10 Malappuram	17052	23131	3661	43844	-	17	48	43909	282	38	330	650	44559			
11 Kozhikode	1922	6718	1522	10162	-	-	-	10162	128	129	318	575	10737			
12 Wayanad	-	16256	4690	20946	4	-	-	20950	-	5	277	282	21232			
13 Kannur	11136	6565	448	18149	-	1	31	18181	3	426	1440	1869	20050			
14 Kasaragod	8254	5134	585	13973	-	-	100	14073	46	96	340	482	14555			
State	203776	236757	67299	507832	5486	1558	2087	517563	3742	5089	12043	20874	538437			

District	Sugar crops				Spices and condiments										Total
	Sugar-cane	Palmy-rah	Total	Pepper	Chill-ies	Gin-ger	Tur-meric	Carda-mom	Areca-nut	Tama-rind	Clov-es	Nut-meg	Cinna-mon		
1	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
Thiruvananthapuram	-	248	248	4645	-	37	10	174	1401	1415	75	58	9	8072	
2 Kollam	11	30	41	9002	-	403	105	-	1849	952	48	55	6	12461	
3 Pathanamthitta	832	51	883	4466	-	632	42	913	1010	186	107	196	11	8446	
4 Alappuzha	266	21	287	1727	-	86	7	-	1458	381	21	68	13	4048	
5 Kottayam	174	342	516	8783	-	393	306	205	1167	340	220	499	30	12459	
6 Idukki	2090	140	2230	38962	-	1425	283	31895	1956	160	105	264	22	77302	
7 Eranakulam	16	219	235	6038	-	1676	786	-	2398	669	96	1906	23	13827	
8 Thrissur	-	587	587	5171	-	109	56	-	6582	2026	73	670	16	15290	
9 Palakkad	2821	5476	8297	3749	181	908	479	3685	5390	5615	8	41	43	26396	
10 Malappuram	6	1171	1177	9928	1	227	209	70	12582	1925	16	111	23	26269	
11 Kozhikode	-	298	298	13767	-	209	378	-	7342	843	24	66	24	22951	
12 Wayanad	-	448	448	36956	-	4350	233	5544	2584	206	11	29	20	50381	
13 Kannur	5	263	268	34505	32	469	318	130	12917	1241	9	73	67	50029	
14 Kasaragod	14	130	144	6711	251	201	38	840	12517	242	7	25	11	20987	
State	6235	9424	15659	184410	465	11125	3250	43456	69153	16201	820	4061	318	348918	

Districts	Fresh fruits										Dry fruit		Total fruits
	Jack	Mango	Banana	Other plantain	Pineapple	Pappaya	Other fresh fruits	Total	Cashew				
I	29	30	31	32	33	34	35	36	37	38			
1. Thiruvananthapuram	6250	5244	657	4824	255	677	605	18312	3412	21924			
2. Kollam	6310	5793	1094	4543	266	934	449	19389	6373	25762			
3. Pathanamthitta	2498	1961	1010	2340	133	410	317	8669	1350	10019			
4. Alappuzha	2329	4389	283	2178	78	675	534	10466	5412	15878			
5. Kottayam	3968	2293	2128	3758	783	803	605	14338	757	15095			
6. Idukki	4062	1845	758	2158	555	450	302	10130	657	10787			
7. Ernakulam	3612	4284	3187	3779	2041	1152	355	18410	1870	20280			
8. Thrissur	3892	5717	1552	5369	554	1238	885	19207	5524	24731			
9. Palakkad	4582	8181	2970	4021	78	1108	695	21635	8110	29745			
10. Malappuram	7639	9274	4802	3454	309	1838	718	28034	14170	42204			
11. Kozhikode	9360	10024	917	2244	175	1590	373	24683	3934	28617			
12. Wayanad	8077	4374	2154	2386	68	301	586	17946	534	18480			
13. Kannur	10100	11981	1794	4479	620	1543	431	30948	28108	59056			
14. Kasaragod	2520	2643	544	2765	97	438	304	9311	26522	35833			
State	75199	77003	23850	48298	6012	13157	7159	250678	106733	358411			

Districts	Vegetables										
	Drumstick	Tubers	Sweet potato	Tapioca			Total	Other vegetables	Total vegetables	Total food crops	
				Autu-mn	Winter	Sum-mer					
1	39	40	41	42	43	44	45	46	47	48	
1. Thiruvananthapuram	2385	1846	82	12029	11647	5179	28855	979	34147	85022	
2. Kollam	1885	6456	3	6287	22098	619	29004	453	37801	103987	
3. Pathanamthitta	459	3971	-	1023	6992	605	8620	637	13687	44464	
4. Alappuzha	1376	3645	11	1275	3248	899	5422	875	11329	82132	
5. Kottayam	941	1935	2	959	8959	479	10397	1404	14679	68888	
6. Idukki	488	844	9	1161	4531	168	5860	1847	9048	101475	
7. Ernakulam	838	1290	14	1656	3107	1004	5767	1620	9529	107695	
8. Thrissur	1034	920	24	864	1986	480	3330	6013	11321	115448	
9. Palakkad	1637	2937	1382	3316	5244	1786	10346	4062	20364	232620	
10. Malappuram	2415	2613	260	4235	4058	1274	9567	2697	17552	130584	
11. Kozhikode	3215	1650	19	1632	1454	304	3390	523	8797	71102	
12. Wayanad	520	2452	2	386	450	634	1470	705	5149	95242	
13. Kannur	1557	1039	72	1360	4986	552	6898	1925	11491	140626	
14. Kasaragod	554	316	399	280	1610	171	2061	1312	4642	76017	
State	19304	31914	2279	36463	80370	14154	130987	25052	209536	1454302	

District	Oil seeds				Drugs & Narcotics					Plantation crops					
	Ground-nut	Sesamum	Coconut	Others	Total	Fiber cotton	Betel leaves	Tobacco	Lemon grass	Total	Tea	Coffee	Rubber	Cocoa	Total
1. Thiruvananthapuram	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
2. Kollam	-	12	87976	67	88055	-	44	-	4	48	1023	-	25279	241	114646
3. Pathanamthitta	-	1204	76661	88	77953	-	53	-	8	61	1270	-	34067	223	113574
4. Alappuzha	-	52	22597	30	22679	-	52	-	-	52	91	-	45857	780	69459
5. Kottayam	-	2886	64478	98	67462	-	39	-	-	39	-	-	3517	191	71209
6. Idukki	-	60	41531	20	41611	-	40	-	22	62	2063	-	107647	2327	153710
7. Ernakulam	-	81	16374	31	16486	-	-	-	821	821	23424	13058	36628	1804	92221
8. Thrissur	-	981	63900	75	64956	-	19	-	11	30	2	-	54270	1429	120687
9. Palakkad	-	423	87118	183	87724	-	21	-	1	22	486	-	12264	211	100707
10. Malappuram	16514	579	43703	1077	61873	13753	7	-	53	60	825	2291	24773	62	103637
11. Kozhikode	-	1442	103057	174	104673	-	610	-	21	631	174	-	25528	92	131098
12. Wayanad	-	20	119611	20	119651	-	16	-	75	91	-	-	17427	376	137545
13. Kannur	-	88	6680	11	6779	-	-	-	540	540	5435	66999	5217	189	85159
14. Kasaragod	-	42	98579	146	98767	-	6	-	113	119	-	-	25948	179	125013
State	16514	7891	882293	2079	908777	13735	924	182	1722	2828	34793	82348	437100	8240	1487839

District	Fodder grass	Green manure crops	Other non food crops	Total nonfood crops	Total cropped area
1	64	65	66	67	68
1. Thiruvananthapuram	100	362	2253	117361	202383
2. Kollam	304	621	1779	116278	220265
3. Pathanamthitta	131	858	2621	73069	117533
4. Alappuzha	113	171	1316	72809	154941
5. Kottayam	279	378	4214	158581	227469
6. Idukki	376	225	16487	109309	210784
7. Ernakulam	80	204	3857	124828	232523
8. Thrissur	24	503	3248	104482	219930
9. Palakkad	200	1648	14750	120235	352855
10. Malappuram	9	4919	9115	145141	275725
11. Kozhikode	27	1246	2031	140849	211951
12. Wayanad	61	699	7238	93157	188399
13. Kannur	204	1095	9546	135858	276484
14. Kasaragod	83	1215	4970	75442	151459
State	1991	14144	83425	1587399	3042701

Table 3.4 – Area under Crops 1994 – 95

(Area in hectares)

District	Cereals and Millets										Pulses including Tur			Total food grains
	Paddy			Jowar	Ragi	Other cereals	Total cereals/millets	Autumn			Winter	Summer	Total	
	Autumn	Winter	Summer					Autumn	Winter	Summer				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1 Thiruvananthapuram	8307	8992	39	17338	-	-	-	17338	1190	63	1890	3143	20481	
2 Kollam	11589	13682	11	25202	-	-	3	25285	209	34	922	1165	26450	
3 Pathanamthitta	2930	4178	3937	11045	-	-	-	11045	6	13	93	112	11157	
4 Alappuzha	19307	22336	13221	54864	-	-	2	54866	2	40	202	244	55110	
5 Kottayam	8113	8726	8167	25006	-	-	-	25006	-	14	1347	1361	26367	
6 Idukki	2204	2492	-	4696	-	112	94	4902	44	15	1123	1182	6084	
7 Ernakulam	21834	23044	15140	60018	12	10	48	60088	13	3	2260	2276	62364	
8 Thrissur	20387	29824	11933	62144	-	1	5	62150	201	229	119	549	62699	
9 Palakkad	70163	66840	3063	140066	4584	1615	2974	149239	108	6347	190	6645	155884	
10 Malappuram	15457	22658	3948	42063	14	8	15	42100	220	12	283	515	42615	
11 Kozhikode	1117	6409	931	8457	2	17	-	8476	213	12	328	553	9029	
12 Wayanad	-	17272	5500	22772	2	-	4	22778	2	1	461	464	23242	
13 Kannur	10790	6207	305	17302	1	-	2	17305	2	600	866	1468	18773	
14 Kasaragod	6527	5128	582	12237	5	-	53	12295	8	189	223	420	12715	
State	198725	237788	66777	503290	4620	1763	3200	512873	2218	7572	10307	20097	532970	

District	Sugar crops				Spices and condiments										Total
	Sugar-cane	Palmy-rah	Total	Pepper	Chill-ies	GIN-ger	Tur-meric	Carda-mom	Areca-nut	Tama-rind	Cloves	Nutmeg	Cinna-mon		
1	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
1 Thiruvananthapuram	-	243	243	5021	-	64	23	174	1315	1590	84	56	7	8334	
2 Kollam	1	23	24	8148	-	445	153	-	1846	843	36	49	6	11526	
3 Pathanamthitta	753	32	785	4792	-	647	76	913	1128	202	86	226	16	8086	
4 Alappuzha	306	107	413	2008	-	187	19	-	1703	392	25	88	12	4434	
5 Kottayam	160	352	512	7906	-	340	269	345	946	295	196	436	25	10758	
6 Idukki	2333	164	2497	42858	-	1461	358	32536	2054	163	104	321	24	79879	
7 Eranakulam	15	259	274	6799	-	1042	845	-	2741	767	75	1679	29	13977	
8 Thrissur	-	501	501	4983	-	132	164	-	6637	1762	85	927	11	14701	
9 Palakkad	2703	5189	7892	3206	350	1610	590	3685	2948	5317	5	32	44	17787	
10 Malappuram	4	1171	1175	8497	2	166	250	70	12635	1977	18	148	22	23785	
11 Kozhikode	-	310	310	12640	-	324	453	1194	8364	927	32	88	27	24049	
12 Wayanad	5	336	341	39814	-	6711	236	4350	2667	172	7	17	18	53992	
13 Kannur	2	228	230	32616	30	533	452	130	13375	1112	12	94	65	48419	
14 Kasaragod	15	111	126	7432	254	204	50	840	13317	261	11	27	10	22406	
State	6297	9026	15323	186720	636	13866	3938	44237	71676	15780	776	4188	316	342133	

Districts	Fresh fruits								Dry fruit		Total fruits
	Jack	Mango	Banana	Other plantain	Pinnapple	Pappaya	Other fresh fruits	Total	Cashew		
1	29	30	31	32	33	34	35	36	37	38	
15. Thiruvananthapuram	5279	5591	810	5424	273	733	653	18763	2871	21634	
16. Kollam	5641	5944	1474	4115	211	800	361	18546	5759	24305	
17. Pathanamthitta	2991	1535	1392	2326	199	471	450	9364	1286	10650	
18. Alappuzha	2549	5240	249	2674	91	788	660	12251	6442	18693	
19. Kottayam	3462	2193	1833	3895	637	719	547	13286	714	14000	
20. Idukki	3671	1938	834	2266	648	473	352	10182	709	10891	
21. Ernakulam	3685	3695	2757	3660	2468	1208	525	17998	1851	19849	
22. Thrissur	3733	5982	1972	5091	285	1408	791	19262	5039	24301	
23. Palakkad	4001	6823	3275	3866	67	1000	627	19659	7412	27071	
24. Malappuram	7368	8373	5127	3223	331	1711	766	26899	12669	39568	
25. Kozhikode	10519	10522	1091	2342	209	1589	435	26707	3653	30360	
26. Wayanad	8016	4052	2353	1910	45	313	458	17147	667	17814	
27. Kannur	10098	11238	1448	4488	663	1662	510	30107	30789	60896	
28. Kasaragod	2302	2785	536	2135	53	351	256	8418	23590	32008	
State	73315	75911	25151	47415	6180	13226	7391	248589	103451	352040	

Districts	Vegetables										Total food crops
	Drumstick	Tubers	Sweet potato	Tapioca			Total	Other vegetables	Total vegetables	Total food crops	
				Auto-mn	Winter	Sum-mer					
1	39	40	41	42	43	44	45	46	47	48	
15. Thiruvananthapuram	2768	2104	54	6857	10634	4613	22104	969	27999	78691	
16. Kollam	1671	6820	2	5077	18670	843	24590	567	33650	95955	
17. Pathanamthitta	570	3892	2	923	6074	560	7557	754	12775	43453	
18. Alappuzha	1148	3578	6	585	3922	218	4725	1048	10505	89155	
19. Kottayam	993	1245	2	1949	5577	1011	8537	1864	12641	64278	
20. Idukki	537	1391	8	1669	4927	26	6622	2535	11093	110444	
21. Eranakulam	899	1092	13	1796	2322	950	5068	1492	8564	105028	
22. Thrissur	1156	1119	19	978	1143	593	2714	2857	7865	110067	
23. Palakkad	1627	2423	1196	1929	4112	3431	9472	3824	18542	227176	
24. Malappuram	2779	1862	233	3805	2866	1974	8645	2913	16432	123575	
25. Kozhikode	3235	1839	51	1554	1760	377	3691	726	9542	73290	
26. Wayanad	540	2879	14	578	738	957	2273	1371	7077	102466	
27. Kannur	1718	1512	55	810	5286	461	6557	1790	11632	139950	
28. Kasaragod	489	283	335	281	1290	163	1734	1064	5905	71160	
State	20130	32039	1990	28791	69321	16177	114289	23774	192222	1434688	

District	Non food crops															Total Non-food crops
	Oil seeds					Fiber, Drugs & Narcotics			Plantation crops					Total		
	Ground-nut	Sesamum	Coco-nut	Others	Total	Fiber cotton	Betel leaves	Tobacco	Lemon grass	Tea	Coffee	Rubber	Cocoa		Total	
1	49	50	51	52	53	54	55	56	57	58	60	61	62	63	64	
1. Thiruvananthapuram	-	15	89706	82	89803	-	50	-	3	53	965	25674	167	26806	116662	
2. Kollam	-	1597	81528	98	83223	-	49	-	2	51	1258	34771	50	36079	119353	
3. Pathanamthitta	-	37	25807	23	25867	-	73	-	-	73	91	46122	940	47153	73093	
4. Alappuzha	-	1839	68495	97	70431	-	46	-	2	48	-	3543	401	3944	74423	
5. Kottayam	-	73	40765	30	40868	-	30	-	15	45	2063	108433	1981	112477	153390	
6. Idukki	-	104	16676	34	16814	-	7	-	898	905	23435	37041	1894	75428	93147	
7. Ernakulam	-	889	61241	75	62205	-	50	-	8	58	2	54803	488	55293	117556	
8. Thrissur	-	391	86206	191	86788	-	27	-	3	30	496	12493	90	13079	99897	
9. Palakkad	14312	450	45503	771	61036	12289	-	-	62	62	825	25428	11	28555	101942	
10. Malappuram	-	1031	106789	142	107962	-	580	-	16	596	174	26043	14	26231	134789	
11. Kozhikode	-	21	125709	34	125764	-	35	-	21	56	-	17494	402	17896	143716	
12. Wayanad	-	65	6980	61	7106	-	-	-	657	657	5436	66999	157	77847	85610	
13. Kannur	-	30	99625	100	99755	-	14	-	241	255	-	27173	241	27414	127424	
14. Kasaragod	-	21	55933	55	56009	-	19	173	48	240	-	19027	71	19098	75347	
State	14312	6563	910963	1793	933631	12289	980	173	1976	3129	34745	82348	6907	567300	1516349	

District	Fodder grass	Green manure crops	Other non food crops	Ramacham	Kacholam	Sunflower	Kolinchi	total	Total cropped area	Total nonfood crops
1	65	66	67	68	69	70	61	72	73	74
1. Thiruvananthapuram	103	429	2017	-	-	-	-	2549	119211	197902
2. Kollam	277	611	2131	-	-	-	-	3019	122372	218327
3. Pathanamthitta	222	731	2756	-	2	-	69	3780	76873	120326
4. Alappuzha	140	216	1529	-	1	-	-	1886	76309	145464
5. Kottayam	226	317	3611	-	16	-	-	4170	157560	221838
6. Idukki	395	248	17311	-	38	55	-	18047	111194	221638
7. Ernakulam	62	323	3151	-	7	-	-	3543	121099	226127
8. Thrissur	27	547	4191	16	-	-	-	4781	104678	214745
9. Palakkad	163	2006	13965	-	-	-	-	16134	118076	345252
10. Malappuram	9	4617	8021	-	-	-	-	12647	147436	271011
11. Kozhikode	42	1494	2470	-	11	-	-	4017	147733	221023
12. Wayanad	71	434	5557	-	-	-	-	6062	91672	194138
13. Kannur	216	1197	8795	-	-	-	-	10208	137632	277582
14. Kasaragod	78	1943	4306	-	-	-	103	6430	81777	152937
State	2031	15113	79811	16	75	55	172	97273	1613622	3048310

Table 3.5 – Production of important crops – 1992-93

Sl. No	District	Rice				Total	Cereals			Pulses	Sugar-cane	Black pepper	Dry chillies	Dry ginger	Cured turmeric
		Autumn	Winter	Summer	Jower		Ragi	Others							
		3	4	5	7		8	9							
1	2	18287	16234	295	-	34816	-	5	10	11	12	13	14	15	
1	Thiruvananthapuram	27698	26683	195	-	54576	-	5	1886	399	2529	-	829	65	
2	Kollam	7692	11150	14984	-	33826	-	-	139	5442	1814	-	2087	129	
3	Pathanamthitta	37286	38209	47683	-	123178	-	3	243	1030	205	-	194	7	
4	Alappuzha	18488	18059	24251	-	60798	-	-	1805	1245	1568	-	1128	581	
5	Kottayam	4101	5087	-	-	9188	-	34	815	21318	14195	-	4725	790	
6	Idukki	39934	46152	27841	-	113927	-	-	1758	2	1351	-	4948	997	
7	Eranakulam	37709	53576	28052	-	119337	-	1	658	-	972	-	284	136	
8	Thrissur	176783	155489	3374	3019	335646	1373	1945	5243	20249	407	239	1774	816	
9	Palakkad	31891	41267	8974	-	82132	6	3	533	80	1543	2	347	286	
10	Malappuram	2678	7687	2643	-	13008	-	-	535	33	2889	-	762	566	
11	Kozhikode	-	38599	11738	1	50337	-	-	281	12	10242	5	25901	511	
12	Wayanad	18198	9981	571	1	28750	1	10	1835	58	9334	33	1654	682	
13	Kannur	15049	8575	1735	-	25359	-	38	652	-	1643	241	518	81	
14	Kasaragod	435794	476748	172336	3021	1084878	1380	2044	17070	49874	49666	520	45403	5662	
	State														

Table 3.5 (contd.)

Sl. No	District	Ground-nut	Betel nut (arecanut) million nuts	Tamarind	Mango	Jack (1000 Nos)	Banana	Other plantain	Pine-apple	Tapioca	Sweet potato	Papaya	Drum-stick
1	2	16	17	18	19	20	21	22	23	24	25	26	27
1	Thiruvananthapuram	1	187	3718	4858	19475	10606	25398	1208	597392	464	3272	3620
2	Kollam	-	353	2606	17237	27133	12205	18747	2718	573251	10	688	3321
3	Pathanamthitta	-	274	746	4783	16311	13827	17853	1533	181200	-	3093	616
4	Alappuzha	-	188	1153	10481	7808	4648	10730	392	110967	-	4196	1131
5	Kottayam	-	175	818	2878	17126	32256	22960	5855	276386	3	5073	521
6	Idukki	-	540	315	2908	19375	8171	15609	2903	144617	136	736	510
7	Eranakulam	-	527	1997	10508	22101	46085	15921	16040	118711	236	4553	658
8	Thrissur	-	1400	4257	26518	14490	23767	12876	1607	54056	295	5297	1459
9	Palakkad	11545	364	11689	54639	14565	41372	14020	580	187888	10282	6551	2012
10	Malappuram	-	2426	4848	40775	28577	47092	14487	2096	162605	2999	10513	2113
11	Kozhikode	-	239	806	31168	24650	13033	8629	1635	38249	163	743	1366
12	Wayanad	-	460	73	4088	21455	23434	10679	304	40872	41	1957	332
13	Kannur	-	2788	2391	45432	62297	23253	14954	9165	112781	786	6305	976
14	Kasaragod	-	2722	1014	10073	8257	9122	8323	670	30152	4908	1863	720
	State	11546	13643	36431	266346	303620	308871	211186	46706	2629127	20323	54840	19355

Table 3.5 (contd.)

Sl. No	District	Sesamum	Coconut (million nuts)	Cotton (bale of 170 Kg.) X	Nutmeg X	Tobacco X	Lemon-grass X	Tea *	Coffee **	Rubber ***	Cocoa	Processed cardamom @	Raw cashew-nuts
1	2	28	29	30	31	32	33	34	35	36	37	38	39
1	Thiruvananthapuram	2	517	-	92	-	1	532	-	21465	227	2	3505
2	Kollam	188	398	-	35	-	1	254	-	31346	197	-	5745
3	Pathanamthitta	18	141	-	242	-	1	-	-	41902	578	17	1152
4	Alappuzha	402	307	-	35	-	-	-	-	2538	539	-	2614
5	Kottayam	20	203	-	662	-	1	214	-	96650	1316	5	383
6	Idukki	58	85	-	361	-	55	40023	#3511	31721	1199	2214	495
7	Eranakulam	326	432	-	4878	-	5	-	-	47324	698	-	1177
8	Thrissur	202	634	-	419	-	1	1284	-	10592	127	-	3542
9	Palakkad	137	163	19776	35	-	13	1607	639	15786	49	160	3395
10	Malappuram	303	580	-	166	-	1	-	-	18246	47	4	9757
11	Kozhikode	-	908	-	26	-	2	-	-	14413	127	-	3236
12	Wayanad	23	8	-	23	-	13	10521	32020	2575	89	160	379
13	Kannur	14	498	-	127	-	3	-	-	19482	85	1	43176
14	Kasaragod	3	250	-	76	307	1	-	-	14606	45	7	17067
	State	1696	5124	19776	7177	307	98	54435	36170	368646	5323	2570	95623

* Tea Board figures relates 1992

** Coffee Board figures relates 1992-93

*** Rubber Board figures related 1992-93

@ Spices Board figures related 1992-93

Refers the Travancore area

X - production is estimated on the basis of yield rate obtained from CC surveys conducted during previous years as no CC experiments were conducted for this crop during 1993-94.

Table 3.5 – Production of important crops – 1993-94

Sl. No	District	Rice				Cereals			Pulses	Sugar-cane	Black pepper	Dry chillies	Cured ginger
		Autumn	Winter	Summer	Total	Jowar	Ragi	Others					
		3	4	5	6	7	8	9					
1	2												
1	Thiruvananthapuram	17882	13825	213	31920	-	-	-	637	-	1160	-	111
2	Kollam	25225	24994	46	50265	-	-	3	1706	88	2798	-	1478
3	Pathanamthitta	7205	10748	11899	29852	-	-	-	93	5390	1501	-	1514
4	Alappuzha	33161	40757	36952	110870	-	-	-	84	1038	197	-	235
5	Kottayam	10273	23631	25956	59860	-	-	-	1717	1158	1712	-	1069
6	Idukki	3585	4066	-	17651	-	-	27	536	18887	13263	-	4306
7	Eranakulam	38534	40521	22291	101346	-	-	-	1984	4	1202	-	4789
8	Thrissur	33513	52005	24108	109626	-	-	-	428	-	800	-	181
9	Palakkad	165990	149121	1836	316947	2790	1239	1920	5169	21484	491	194	2538
10	Malappuram	26502	36523	8179	71204	-	15	48	483	44	1736	1	444
11	Kozhikode	2329	8532	1824	12685	-	-	-	436	-	3371	-	449
12	Wayanad	-	37057	9552	46609	4	-	-	215	-	12290	-	18653
13	Kannur	18374	10080	631	29085	-	-	24	1459	41	8155	30	1541
14	Kasaragod	15784	9296	938	26018	-	-	78	375	73	1169	236	368
	State	398357	461156	144425	1003938	2794	1254	2100	15322	50907	49845	461	37676

Table 3.5 (contd.)

Sl No	District	Cured turmeric	Ground nut	Betel nut (arecanut) million nuts	Tamarind	Mango	Jack (1000 Nos)	Banana	Other plantain	Pine-apple	Tapioca	Sweet potato	Papaya	Drum stick
1	2	15	16	17	18	19	20	21	22	23	24	25	26	27
1	Thiruvananthapuram	13	-	201	4607	4232	18770	8872	28148	1740	444459	568	4458	3847
2	Kollam	80	-	372	2929	18082	26490	13502	19168	3228	519762	30	868	3445
3	Pathanamthitta	118	-	263	571	3475	15927	13950	14764	1359	181852	-	2266	471
4	Alappuzha	4	-	177	1168	8746	7735	3851	9392	392	100744	28	3356	1535
5	Kottayam	744	-	182	886	2606	16815	34343	25040	6842	269585	6	5785	516
6	Idukki	758	-	654	327	2713	16782	13026	17113	4775	172561	87	1139	641
7	Eranakulam	1098	-	457	2344	8824	16665	44825	20489	18228	141889	138	5578	657
8	Thrissur	98	-	1468	4568	22471	12488	22494	19431	6644	51418	221	5414	1405
9	Palakkad	953	13304	460	13072	53102	14465	38381	14386	656	231283	10150	7345	2177
10	Malappuram	407	-	2524	4776	35507	26484	67318	18311	2733	203200	2254	7940	2526
11	Kozhikode	596	-	1667	770	30640	23884	14041	7861	1734	48220	124	1034	1281
12	Wayanad	592	-	633	97	4567	27534	32124	15776	323	46189	12	2009	419
13	Kannur	786	-	3405	3364	43065	50286	24704	13253	6110	159444	699	8266	1188
14	Kasaragod	49	-	2894	1002	9396	10325	8563	10342	1083	31606	3964	2697	829
	State	6296	13304	15457	40481	247426	284650	339994	233674	56847	2602212	18281	58155	20937

Table 3.5 (contd.)

Sl. No	District	Sesamum	Coconut (million nuts)	Cotton (bale of 170 Kg.)	Nutmeg	Tobacco	Lemong rass	Tea	Coffee	Rubber	Cocoa	Processed cardamom	Raw cashew-nuts
1	2	28	29	30	31	32	33	34	35	36	37	38	39
1	Thiruvananthapuram	2	587	-	87	-	1	706	-	23457	116	1	2533
2	Kollam	545	397	-	36	-	1	-	-	34315	159	-	5055
3	Pathanamthitta	12	137	-	243	-	-	254	-	45616	435	33	778
4	Alappuzha	388	297	-	37	-	-	-	-	2804	345	-	1703
5	Kottayam	33	204	-	744	-	3	210	-	105198	1411	8	192
6	Idukki	32	79	-	499	-	55	47568	8320	34286	1655	3932	320
7	Eranakulam	241	414	-	5215	-	1	-	-	53395	711	-	730
8	Thrissur	111	588	-	525	-	1	1444	-	12639	57	-	2114
9	Palakkad	185	182	22197	39	-	10	1959	1460	18389	29	210	2622
10	Malappuram	448	601	-	182	-	2	-	-	20269	31	6	6422
11	Kozhikode	11	814	-	30	-	2	-	-	16743	118	-	2121
12	Wayanad	15	12	-	56	-	9	9347	36460	2740	79	232	275
13	Kannur	22	588	-	125	-	3	-	-	22196	92	1	36772
14	Kasaragod	2	292	-	43	341	1	-	-	16264	24	7	18288
	State	2047	5192	22197	7861	341	88	61488	46240	408311	5262	4430	79925

* Tea Board figures relates 1992

** Coffee Board figures relates 1992-93

*** Rubber Board figures related 1992-93

@ Spices Board figures related 1992-93

Refers the Travancore area

X - production is estimated on the basis of yield rate obtained from CC surveys conducted during previous years as no CC experiments were conducted for this crop during 1993-94.

Table 3.5 – Production of important crops – 1994-95

Sl. No	District	Rice			Jowar	Ragi	Others cereals	Sugar-cane	Black pepper	Dry chillies	Pulses	Cured Ginger	Cured termeric
		Autumn	Winter	Summer									
1	2	3	4	5	7	8	10	11	12	13	14	15	
1	Thiruvananthapuram	13882	16289	45	-	-	-	1375	-	721	230	54	
2	Kollam	20783	26031	15	-	-	9	2731	-	1677	1546	361	
3	Pathanamthitta	5032	8258	11694	-	-	5693	1599	-	86	1749	179	
4	Alappuzha	10402	55924	32914	-	-	1460	274	-	214	671	45	
5	Kottayam	12093	21731	22278	-	-	1372	1018	-	1193	792	541	
6	Idukki	4703	5395	-	-	91	19095	17065	-	978	4516	844	
7	Eranakulam	37334	40245	23469	6	8	129	1291	-	1630	2936	1992	
8	Thrissur	30370	58686	25004	-	1	-	745	-	393	474	387	
9	Palakkad	141969	163260	8539	2333	1306	25999	369	375	5006	5777	1391	
10	Malappuram	22579	39457	8789	7	6	34	944	2	383	596	589	
11	Kozhikode	1045	8317	1181	1	14	-	2077	-	419	1163	1107	
12	Wayanad	-	38011	12481	1	-	43	21777	-	354	26654	485	
13	Kannur	16003	9641	422	1	-	17	6912	28	1146	1912	1190	
14	Kasaragod	11180	8632	982	3	-	129	1079	239	327	732	118	
	State	327375	499877	147813	2352	1426	53980	59256	644	14527	49748	9283	

Table 3.5 (contd.)

Sl. No	District	Ground-nut	Betel nut (arecanut) million nuts	Tamarind	Mango	Jack (1000 Nos)	Banana	Other plantain	Pine-apple	Tapioca	Sweet potato	Pappya	Drum-stick
1	2	16	17	18	19	20	21	22	23	24	25	26	27
1	Thiruvananthapuram	-	139	5672	10297	21483	9667	22803	1947	371856	559	4827	4465
2	Kollam	-	313	2269	26963	26615	19625	20174	1995	471456	21	743	3054
3	Pathanamthitta	-	307	472	5320	16309	18929	17081	1882	166908	21	2603	585
4	Alappuzha	-	236	916	12549	8228	3805	13673	450	93794	62	3920	1280
5	Kottayam	-	143	689	9347	17883	29859	24834	6291	188767	21	5180	545
6	Idukki	-	645	381	5489	19259	12828	17280	6128	183898	83	1197	705
7	Ernakulam	-	516	1792	15748	17960	34591	17373	23663	115151	135	5849	705
8	Thrissur	-	1982	3909	27755	17093	31097	19116	2695	57787	197	6157	1571
9	Palakkad	10079	447	12421	29080	15328	40274	15987	634	182322	12261	6629	2164
10	Malappuram	-	2479	3789	38251	26227	65533	14783	3130	188381	2017	7391	2907
11	Kozhikode	-	2299	1121	46611	29161	14994	8757	1977	70623	528	1033	1289
12	Wayanad	-	475	208	17270	28434	32615	12688	334	77966	145	2089	435
13	Kannur	-	3272	2598	68475	47273	21121	18662	6406	147458	570	8903	1311
14	Kasaragod	-	4213	431	10362	11994	7068	9047	501	27870	3996	2161	732
	State	10079	17466	36668	323517	303247	342006	232258	58033	2344238	20616	58682	21748

Table 3.5 (contd.)

Sl. No	District	Sesamum	Coconut (million nuts)	Cotton (bale of 170 Kg.)	Nutmeg	Tobacco	Lemong rass	Tea	Coffee	Rubber	Cocoa	Processed cardamom	Raw cashew-nuts
1	2	28	29	30	31	32	33	34	35	36	37	38	39
1	Thiruvananthapuram	1	524	-	38	-	1	433	-	25437	102	1	2921
2	Kollam	647	430	-	33	-	1	425	-	36773	44	-	4788
3	Pathanamthitta	13	128	-	153	-	-	-	-	49924	604	33	1012
4	Alappuzha	325	347	-	23	-	1	-	-	2973	443	-	2399
5	Kottayam	33	176	-	296	-	2	141	-	113225	977	26	205
6	Idukki	41	71	-	218	-	60	47530	8320	36540	1492	4200	327
7	Ernakulam	205	389	-	1139	-	1	-	-	58206	228	-	840
8	Thrissur	123	614	-	668	-	3	1553	-	13790	44	-	2841
9	Palakkad	116	166	19834	22	-	12	2000	1460	20414	4	204	2748
10	Malappuram	324	577	-	100	-	2	-	-	22330	4	2	6312
11	Kozhikode	6	936	-	60	-	1	-	-	18124	152	-	2050
12	Wayanad	8	14	-	12	-	11	8633	36460	2879	72	245	408
13	Kannur	14	631	-	64	-	6	-	-	24506	99	1	53468
14	Kasaragod	3	333	-	18	324	1	-	-	17709	23	8	15229
	State	1859	5336	19834	2844	324	102	60715	46240	442830	4288	4720	95548

Table 3.6 - Net area irrigated (source-wise) 1992-93

Sl. No	District	Government canal	Private canal	Government tanks	Private tanks	Government wells	Private wells	Minor and lift irrigation	Other sources	Total
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	3623	242	550	174	12	501	624	1248	6974
2	Kollam	331	27	40	71	13	355	126	446	1409
3	Pathanamthitta	569	124	5	79	30	266	199	3194	4466
4	Alappuzha	2111	19	60	17088	23	1118	2544	3466	26429
5	Kottayam	2762	253	230	234	20	394	842	2658	7393
6	Idukki	525	66	32	179	9	28	210	2014	3063
7	Eranakulam	20905	137	300	1956	259	10630	8994	9773	52954
8	Thrissur	18152	758	586	10708	241	17244	4820	18781	71290
9	Palakkad	50018	224	245	5019	54	10405	1364	6586	73915
10	Malappuram	1212	951	81	4425	28	9708	2723	12933	32061
11	Kozhikode	2101	67	138	301	12	895	676	902	5092
12	Wayanad	85	77	10	23	5	16	50	4584	4850
13	Kannur	239	448	50	507	51	4415	38	8070	13818
14	Kasaragod	309	352	48	5155	21	9019	285	15554	30743
	State	102942	3745	2375	45919	778	64994	23495	90209	334457

Table 3.6 - Net area irrigated (source-wise) 1993-94

Sl. No	District	Government canal	Private canal	Government tanks	Private tanks	Government wells	Private wells	Minor and lift irrigation	Other sources	Total
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	3452	239	546	120	13	545	647	1333	6895
2	Kollam	331	27	41	73	16	485	126	448	1547
3	Pathanamthitta	601	124	5	80	30	266	199	3195	4500
4	Alappuzha	2188	20	60	17088	25	1376	2544	3466	26767
5	Kottayam	2762	253	230	258	20	394	842	2658	7397
6	Idukki	525	66	32	179	9	28	210	2014	3063
7	Eranakulam	20905	137	300	1986	259	10630	8994	9773	52984
8	Thrissur	18152	758	586	10708	241	17244	4820	18781	71290
9	Palakkad	50018	224	245	5019	59	10405	1364	6586	73920
10	Malappuram	1212	951	81	4525	28	9708	2723	1293	20521
11	Kozhikode	2101	67	138	301	12	899	676	902	5096
12	Wayanad	85	77	10	23	5	16	50	4584	4850
13	Kannur	239	448	50	507	51	4415	38	8070	13818
14	Kasaragod	309	352	48	5255	23	9019	285	15659	30950
	State	102880	3743	2372	46102	791	65430	23518	78762	323598

Table 3.6 - Net area irrigated (source-wise) 1994-95

Sl. No	District	Government canal	Private canal	Government tanks	Private tanks	Government wells	Private wells	Minor and lift irrigation	Other sources	Total
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	3744	213	446	128	13	648	520	1133	6845
2	Kollam	563	27	30	82	16	559	222	500	1999
3	Pathanamthitta	570	111	6	71	28	332	251	3021	4390
4	Alappuzha	2498	21	60	17340	26	1179	2667	3459	27250
5	Kottayam	2770	255	210	264	16	346	936	3002	7799
6	Idukki	538	67	35	262	11	43	279	2428	3663
7	Ernakulam	20588	193	308	2591	220	10634	8680	10063	53277
8	Thrissur	22211	820	428	13091	264	17715	5264	18557	78350
9	Palaakkad	51107	190	278	4247	89	18581	1534	6510	82536
10	Malappuram	1229	623	81	5967	32	9388	2703	14253	34276
11	Kozhikode	2183	79	146	364	16	1028	663	1001	5480
12	Wayanad	94	78	18	21	6	12	62	4725	5016
13	Kannur	232	442	56	662	48	5245	32	8103	14820
14	Kasaragod	306	345	51	6121	23	9353	265	15793	32257
	State	108633	3464	2153	51211	808	75063	24078	92548	357958

Table 3.7 - Gross area under irrigation (crop-wise) 1992-93

Sl. No	District	Paddy	Tubers	Vegetables	Coconut	Arecanut	Cloves & nutmeg	Other spices & condiments	Banana	Betel leaves	Sugar-cane	Others	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Thiruvananthapuram	4508	16	480	822	14	26	36	771	37	-	773	7483
2	Kollam	897	19	243	330	8	9	8	81	29	-	561	2185
3	Pathanamthitta	6536	7	207	130	32	16	7	169	53	54	32	7243
4	Alappuzha	5954	529	598	20051	263	66	471	89	46	45	2913	31025
5	Kottayam	9201	11	408	185	2	121	22	291	11	5	540	10797
6	Idukki	2098	2	2	33	1	15	179	2	-	723	375	3430
7	Ernakulam	44393	6	250	13457	1024	594	64	1527	6	-	525	61846
8	Thrissur	36508	47	320	31985	4460	74	344	1102	26	-	690	75556
9	Palakkad	63622	11	728	6563	1921	14	338	1405	16	1273	2408	78299
10	Malappuram	20112	110	940	5696	3899	14	79	1908	478	8	865	34109
11	Kozhikode	1955	8	251	1248	244	4	1	815	9	-	1013	5548
12	Wayanad	5567	-	91	29	20	-	-	30	-	-	67	5804
13	Kannur	6196	30	622	6230	2916	-	-	1845	9	4	690	18542
14	Kasaragod	5029	26	919	18940	7591	-	124	970	12	-	890	34501
	State	212576	822	6059	105699	22395	953	1673	11005	732	2112	12342	376368

Table 3.7 - Gross area under irrigation (crop-wise) 1993-94

Sl. No	District	Paddy	Tubers	Vegetables	Coconut	Arecanut	Cloves & nutmeg	Other spices & condiments	Banana	Betel leaves	Sugar-cane	Others	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Thiruvananthapuram	3966	20	441	1352	3	25	37	639	25	-	940	7448
2	Kollam	1041	20	240	538	8	10	9	29	25	7	540	2467
3	Pathanamthitta	6585	6	196	121	7	17	6	99	37	53	25	7152
4	Alappuzha	6205	492	542	19169	15	83	426	43	39	45	2887	29946
5	Kottayam	8035	13	382	149	12	133	20	158	21	5	648	9576
6	Idukki	1872	2	3	98	3	19	180	90	-	641	419	3327
7	Eranakulam	43271	6	249	16512	694	638	58	1625	3	6	438	63500
8	Thrissur	37534	39	561	41000	245	92	485	1254	17	-	687	81914
9	Palakkad	63584	10	708	11405	2291	16	372	1370	19	1520	2408	83703
10	Malappuram	18904	128	979	14736	5707	15	87	1389	530	4	1145	43624
11	Kozhikode	1456	9	264	1789	177	5	1	343	9	-	1022	5075
12	Wayanad	5043	-	107	-	-	9	3	-	-	-	97	5259
13	Kannur	6569	27	65	13730	3157	7	124	1265	5	3	838	25790
14	Kasaragod	5670	29	276	26083	10302	5	126	549	13	5	1005	44063
	State	209735	801	5013	146682	22621	1074	1934	8853	743	2289	13099	412844

Table 3.7 - Gross area under irrigation (crop-wise) 1994-95

Sl. No	District	Paddy	Tubers	Vegetables	Coconut	Arecanut	Cloves & nut meg	Other spices & condiments	Banana	Betel leaves	Sugar-cane	Others	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Thiruvananthapuram	3366	19	501	1045	11	35	54	691	50	-	1110	6882
2	Kollam	1583	16	286	4740	19	21	17	130	49	1	750	7612
3	Pathanamthitta	7131	8	496	25	3	78	8	234	73	64	51	8171
4	Alappuzha	41273	511	619	24318	12	76	520	4	46	74	2328	69781
5	Kottayam	10097	16	340	206	11	196	116	74	30	11	712	11809
6	Idukki	2114	7	11	312	118	28	214	75	7	675	516	4077
7	Eranakulam	43824	10	312	18243	1005	706	123	1746	4	6	621	66600
8	Thrissur	62815	43	581	48855	490	114	685	1654	21	-	603	115861
9	Palakkad	62730	14	774	15637	2026	24	415	1704	-	1412	1973	86709
10	Malappuram	20653	139	1010	13385	4425	18	93	1911	510	4	1235	43383
11	Kozhikode	873	12	294	1735	86	9	7	383	17	-	1116	4532
12	Wayanad	5198	4	128	16	5	7	5	149	-	2	930	6444
13	Kannur	5603	33	74	14279	3528	18	118	1076	14	2	910	25655
14	Kasaragod	5512	27	250	29690	11370	12	135	500	19	9	1250	48774
	State	272772	859	5676	172486	23109	1342	2510	10331	840	2260	14105	506290

3.8 District wise distribution of operational holdings according to size 1990-91

Sl. No	District	0.02-0.99	Percent-age	1.00 - 1.99	Percent-age	2.00 - 3.99	Percent-age	4.00 - 9.99	Percent-age	10.00 & above	Percent-age	Total	Percent-age
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Thiruvananthapuram	72963	9	14400	4	6466	3	2850	2	8782	5	105461	6
2	Kollam	70493	8	15889	5	5564	2	1573	1	3274	2	96793	5
3	Pathanamthitta	49909	6	19102	5	8388	4	3100	3	8734	5	89233	5
4	Alappuzha	54641	6	13824	4	7900	3	3968	4	2186	1	82519	5
5	Kottayam	60011	7	36303	9	27689	11	13222	12	8747	5	145972	8
6	Idukki	51974	6	44171	12	21355	8	9663	8	75637	43	202800	11
7	Eranakulam	63772	7	28185	7	17765	7	7093	6	8022	5	124837	7
8	Thrissur	77107	9	25888	7	13201	5	3454	3	3306	2	122956	7
9	Palakkad	67455	8	42994	11	41690	16	22876	20	10973	6	185988	10
10	Malappuram	75534	9	28683	7	22291	9	10473	9	6064	3	143045	8
11	Kozhikode	71568	8	24376	6	13948	5	5475	5	7302	4	122669	7
12	Wayanad	29733	3	24164	6	21060	8	10403	9	15379	8	100739	6
13	Kannur	72654	9	41353	11	30038	12	13142	12	4619	3	161806	9
14	Kasaragod	38629	5	24113	6	17645	7	7029	6	15056	8	102472	6
	State	856443		383445		255000		114321	-	178081		1787290	

3.9 Average farm prices of certain commodities 1992-93

Sl. No	District	Paddy qtl.	Coconut 100 nos.	Areanut 100 nos.	Tapioca qtl.	Cashew qtl.	Banana 100 Nos.	Pepper qtl.	Ginger qtl.	Sugarcane MT
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	418.52	367.45	37.97	190.21	1918.33	118.06	2481.48	-	-
2	Kollam	434.08	406.0-4	35.37	162.37	1978.50	107.76	2664.06	2615.91	-
3	Pathanamthitta	425.20	428.51	38.94	205.33	2142.50	108.00	2606.86	2538.37	311.25
4	Alappuzha	421.34	423.85	32.98	170.78	1938.00	110.69	2225.00	-	-
5	Kottayam	409.14	416.92	31.26	207.96	1812.13	103.73	2598.83	2540.61	-
6	Idukki	437.19	480.68	32.48	201.36	1770.58	89.50	2649.21	2199.22	356.11
7	Eranakulam	415.77	449.68	33.86	191.10	2087.22	84.42	2678.02	2689.79	-
8	Thrissur	407.88	410.88	35.24	179.67	1982.78	103.54	2622.12	-	-
9	Palakkad	393.12	404.55	30.27	145.00	1983.42	87.67	2608.13	2344.89	376.43
10	Malappuram	411.17	401.98	32.14	175.89	2033.68	82.30	2614.32	-	-
11	Kozhikode	450.14	407.25	24.20	189.93	2032.71	82.94	2606.53	2418.85	-
12	Wayanad	395.95	437.92	27.48	173.82	1597.92	56.30	2686.74	2429.58	-
13	Kannur	449.65	401.32	26.36	210.28	2100.00	81.21	2634.72	2426.98	-
14	Kasaragod	422.08	444.90	41.23	223.75	2083.33	98.33	2595.83	2185.00	-
	State	420.80	420.14	33.01	187.34	2000.41	93.89	2616.59	2490.50	354.41

3.9 Average farm prices of certain commodities 1993-94

Sl. No	District	Paddy qtl.	Coconut 100 nos.	Arecanut 100 nos.	Tapioca qtl.	Cashew qtl.	Banana 100 Nos.	Pepper qtl.	Ginger qtl.	Sugarcane MT
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	420.37	293.44	38.19	195.42	2052.50	135.33	3926.67	-	-
2	Kollam	412.46	318.13	34.74	170.16	2088.50	118.45	3759.62	2883.33	-
3	Pathanamthitta	410.21	348.71	34.02	199.96	2087.75	124.13	4009.27	3017.95	575.36
4	Alappuzha	410.03	324.97	30.94	182.22	1971.39	118.33	4300.00	-	-
5	Kottayam	419.70	336.88	33.91	205.82	2134.72	103.30	4008.27	2917.60	-
6	Idukki	434.27	374.64	31.63	191.70	2001.67	97.17	4068.14	2917.29	400.00
7	Eranakulam	401.28	351.34	34.03	186.63	2268.93	104.10	3871.18	3024.72	-
8	Thrissur	410.21	318.43	37.79	200.92	2219.33	124.58	3851.56	-	-
9	Palakkad	415.62	292.83	29.88	161.42	2091.83	97.34	3864.06	2757.95	425.00
10	Malappuram	401.34	272.03	29.99	183.80	2214.58	88.78	3918.23	-	-
11	Kozhikode	447.85	294.05	23.64	187.36	2231.94	96.32	3920.49	2812.71	-
12	Wayanad	394.79	407.68	43.75	183.33	1995.42	84.22	4074.79	2795.90	-
13	Kannur	427.36	295.90	28.60	211.74	2517.71	97.89	3944.79	2716.67	-
14	Kasaragod	397.92	328.65	44.69	289.58	2300.00	122.08	3925.00	2930.00	-
	State	414.53	325.55	33.65	197.60	2134.34	108.56	3909.02	2858.06	440.00

3.9 Average farm prices of certain commodities 1994-95

Sl. No	District	Paddy qtl.	Coconut 100 nos.	Arecanut 100 nos.	Tapioca qtl.	Cashew qtl.	Banana 100 Nos.	Pepper qtl.	Ginger qtl.	Sugarcane MT
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	515.78	286.93	43.77	227.54	2300.00	143.70	6695.45	-	-
2	Kollam	495.83	314.21	38.89	210.60	2488.00	146.98	6760.42	5642.50	-
3	Pathanamthitta	501.67	300.96	36.53	230.77	2503.37	143.63	6651.04	5356.42	600.00
4	Alappuzha	511.03	316.35	36.07	222.57	2234.58	139.94	6340.00	-	515.50
5	Kottayam	491.50	323.92	33.46	240.92	2216.46	123.11	6748.00	5405.68	-
6	Idukki	500.83	322.28	34.57	212.74	2387.50	122.50	6794.00	5152.60	500.00
7	Eranakulam	467.50	330.18	34.32	194.76	2486.33	105.68	6788.96	5474.24	-
8	Thrissur	485.48	311.67	43.69	214.38	2505.76	155.07	6629.82	-	-
9	Palakkad	516.20	291.13	32.82	173.89	2466.25	100.18	6613.54	5144.79	471.88
10	Malappuram	465.63	279.43	35.16	203.53	2736.81	110.48	6650.87	-	-
11	Kozhikode	547.30	297.01	29.03	196.53	2516.67	112.69	6780.18	5262.50	-
12	Wayanad	485.49	329.93	45.00	182.85	2106.25	91.38	6794.58	5216.67	-
13	Kannur	444.58	285.97	30.77	231.25	2685.00	127.03	6730.38	5219.91	-
14	Kasaragod	499.17	319.90	47.67	297.44	2662.50	137.48	6705.21	5237.50	-
	State	494.86	307.83	36.73	217.13	2355.36	125.70	6687.43	5250.29	546.23

3.10 Agricultural wages 1992-93

Skilled Labour

1. Carpenter (in Rs.)

Sl. No	District	July	August	September	October	November	December	January	February	March	April	May	June	Average
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	57.50	60.00	60.00	60.00	60.00	62.50	65.00	65.00	65.00	65.00	65.00	67.50	62.71
2	Kollam	60.00	60.00	60.00	67.50	67.50	70.00	70.00	70.00	70.00	70.00	72.50	72.50	73.33
3	Alappuzha	67.50	67.50	67.50	70.00	70.00	71.00	71.00	71.00	73.50	73.50	73.50	73.50	70.79
4	Kottayam	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
5	Eranakulam	67.50	67.50	67.50	67.50	67.50	67.50	67.50	67.50	67.50	67.50	65.00	70.00	67.50
6	Thrissur	62.50	65.00	65.00	65.00	65.00	65.00	72.50	72.50	72.50	72.50	72.50	72.50	68.54
7	Palakkad	50.00	50.00	52.50	57.50	57.50	57.50	57.50	57.50	60.00	60.00	60.00	60.00	56.67
8	Malappuram	63.00	63.00	65.50	65.50	65.50	68.00	70.50	70.50	70.50	70.50	70.50	80.00	68.58
9	Kozhikode	69.00	74.00	74.00	74.00	74.00	74.00	74.00	74.50	74.50	74.50	74.50	80.00	74.25
10	Kannur	67.50	67.50	67.50	67.50	70.00	70.00	70.00	70.00	72.50	72.50	72.50	77.50	70.42
	State average													68.28

3.10 Agricultural wages 1992-93

Skilled Labour

2. Mason (in Rs.)

Sl. No	District	July	August	September	October	November	December	January	February	March	April	May	June	Average
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	57.50	57.50	57.50	62.50	62.50	62.50	65.00	65.00	65.00	65.00	65.00	67.50	62.71
2	Kollam	60.00	60.00	60.00	67.50	67.50	70.00	70.00	70.00	70.00	70.00	72.50	72.50	67.50
3	Alappuzha	67.50	67.50	67.50	70.00	70.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	69.96
4	Kottayam	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
5	Eranakulam	67.50	67.50	67.50	67.50	67.50	67.50	67.50	67.50	67.50	67.50	67.50	72.50	67.92
6	Thrissur	62.50	65.00	65.00	65.00	65.00	65.00	72.50	72.50	72.50	72.50	72.50	72.50	68.54
7	Palakkad	50.00	50.00	52.50	57.50	57.50	57.50	57.50	57.50	60.00	60.00	60.00	60.00	56.67
8	Malappuram	63.00	63.00	65.50	65.50	65.50	68.00	70.50	70.50	70.50	70.50	70.50	80.00	68.58
9	Kozhikode	69.00	74.00	74.00	74.00	74.00	74.00	74.00	74.50	74.50	74.50	74.50	80.00	74.25
10	Kannur	67.50	67.50	67.50	67.50	70.00	70.00	70.00	70.00	72.50	72.50	72.50	77.50	70.42
	State average													67.63

3.10 Agricultural wages 1992-93

Paddy Field Labour

I. Men (in Rs.)

Sl. No	District	July	August	September	October	November	December	January	February	March	April	May	June	Average
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	45.00	45.00	45.00	46.00	46.00	48.50	55.00	55.00	55.00	55.00	60.00	60.00	51.29
2	Kollam	40.00	40.00	40.00	42.50	45.00	45.00	45.00	45.00	45.00	45.00	47.50	47.50	43.96
3	Alappuzha	49.00	49.00	49.00	49.00	49.00	50.00	50.00	50.00	50.00	50.00	48.50	48.50	49.33
4	Kottayam	37.50	37.50	37.50	37.50	37.50	37.50	37.50	37.50	37.50	37.50	37.50	37.50	37.50
5	Eranakulam	52.50	52.50	52.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.25
6	Thrissur	48.00	48.00	48.00	48.00	48.00	53.00	56.50	56.50	56.50	56.50	56.50	56.50	52.67
7	Palakkad	27.50	27.50	30.00	32.00	32.50	32.50	32.50	32.50	35.00	32.50	32.50	32.50	31.67
8	Malappuram	48.00	48.00	50.50	50.50	50.50	50.50	50.50	50.50	50.50	50.50	50.50	60.00	50.88
9	Kozhikode	51.50	51.50	51.50	51.50	51.50	51.50	54.00	57.00	57.00	57.00	57.50	57.50	54.00
10	Kannur	57.00	57.00	57.00	57.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	65.00	59.42
	State average													48.40

3.10 Agricultural wages 1992-93

Paddy Field Labour

2. Women (in Rs.)

Sl. No	District	July	August	September	October	November	December	January	February	March	April	May	June	Average
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	38.50	42.50	42.50	42.50	42.50	45.00	45.00	45.00	45.00	45.00	45.00	45.00	43.63
2	Kollam	27.50	27.50	27.50	28.50	31.00	31.00	31.00	31.00	31.00	31.00	32.50	32.50	30.17
3	Alappuzha	35.00	35.00	35.00	35.00	35.00	36.00	36.00	36.00	36.00	36.00	36.00	36.00	35.58
4	Kottayam	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
5	Ernakulam	33.50	33.50	33.50	34.50	34.50	34.50	34.50	33.50	34.50	34.50	34.50	37.00	34.38
6	Thrissur	25.50	27.00	27.00	29.00	29.00	30.50	32.00	32.00	32.00	32.00	33.00	33.00	30.17
7	Palakkad	15.00	15.00	17.50	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	18.96
8	Malappuram	28.00	28.00	30.50	30.50	30.50	30.50	33.00	33.00	33.00	33.00	33.50	37.00	31.71
9	Kozhikode	33.00	33.00	33.00	33.00	33.00	33.00	34.00	36.50	36.50	36.50	39.50	39.50	35.04
10	Kannur	37.00	37.00	37.00	37.00	40.00	40.00	40.00	40.00	40.00	40.00	42.50	42.50	39.42
	State average													32.31

3.10 Agricultural wages 1992-93

Other Agricultural wages

I. Men (in Rs.)

Sl. No	District	July	August	September	October	November	December	January	February	March	April	May	June	Average
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	47.50	52.50	52.50	52.50	52.50	52.50	52.50	52.50	52.50	52.50	52.50	55.00	52.29
2	Kollam	40.00	40.00	40.00	42.50	45.00	45.00	45.00	45.00	45.00	47.50	47.50	50.00	44.38
3	Alappuzha	47.50	47.50	47.50	47.50	47.50	48.50	48.50	48.50	48.50	48.50	51.00	51.00	48.50
4	Kottayam	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
5	Ernakulam	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
6	Thrissur	48.00	50.50	50.50	53.00	53.00	55.50	59.00	59.00	59.00	59.00	61.50	61.50	55.79
7	Palakkad	27.50	30.00	30.00	32.50	32.50	32.50	32.50	32.50	32.50	32.50	32.50	32.50	31.67
8	Malappuram	48.00	48.00	50.50	50.50	50.50	50.50	50.50	50.50	50.50	50.50	50.50	65.00	51.29
9	Kozhikode	51.50	51.50	51.50	51.50	51.50	51.50	54.00	57.00	57.00	57.00	57.50	57.50	54.08
10	Kannur	57.00	62.00	62.00	62.00	65.00	65.00	65.00	65.00	65.00	65.00	67.50	67.50	64.00
	State average													49.20

3.10 Agricultural wages 1992-93

Other Agricultural wages

2. Women (in Rs.)

Sl. No	District	July	August	September	October	November	December	January	February	March	April	May	June	Average
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	42.50	42.50	42.50	42.50	45.00	55.00	50.00	50.00	50.00	50.00	50.00	50.00	47.50
2	Kollam	30.00	32.50	35.00	37.50	40.00	40.00	40.00	40.00	40.00	40.00	40.00	42.50	38.13
3	Alappuzha	30.00	-	-	-	-	-	-	-	-	-	-	-	30
4	Kottayam	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
5	Eranakulam	35.00	35.00	35.00	35.00	35.00	35.00	37.50	37.50	37.50	37.50	37.50	45.00	36.88
6	Thrissur	27.50	30.00	30.00	30.00	30.00	30.00	33.00	33.00	33.00	33.00	35.50	35.50	31.71
7	Palakkad	16.50	19.00	19.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	19.54
8	Malappuram	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	40.00	35.42
9	Kozhikode	40.50	40.50	40.50	40.50	40.50	40.50	41.50	41.50	41.50	41.50	42.50	44.50	41.33
10	Kannur	35.00	37.50	37.00	37.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	38.88
	State average													35.44

3.10 Agricultural wages 1993-94

1. Carpenter (in Rs.)

Sl. No	District	July	August	September	October	November	December	January	February	March	April	May	June	Average
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	67.50	67.50	70.00	70.00	72.50	72.50	72.50	72.50	75.00	75.00	80.00	80.00	72.92
	Kollam	72.50	72.50	75.00	75.00	75.00	75.00	75.00	75.00	77.50	80.00	80.00	80.00	76.04
3	Alappuzha	73.50	73.50	73.50	73.50	73.50	73.50	73.50	76.00	78.50	81.00	81.00	81.00	76.00
4	Kottayam	70.00	70.00	70.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	73.75
5	Eranakulam	70.00	70.00	70.00	70.00	70.00	70.00	70.00	75.00	75.00	75.00	75.00	75.00	72.08
6	Thrissur	75.00	75.00	80.00	80.00	80.00	80.00	80.00	80.00	82.50	87.50	87.50	92.50	81.67
7	Palakkad	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	65.00	67.50	67.50	61.67
8	Malappuram	80.00	87.50	87.50	87.50	87.50	87.50	87.50	87.50	87.50	87.50	92.50	92.50	87.71
9	Kozhikode	80.00	80.00	80.00	80.00	82.50	82.50	82.50	82.50	82.50	82.50	87.50	87.50	82.50
10	Kannur	77.50	77.50	77.50	77.50	77.50	77.50	80.00	80.00	80.00	82.50	88.50	91.00	80.58
	State average													76.49

3.10 Agricultural wages 1993-94

2. Mason (in Rs.)

Sl. No	District	July	August	September	October	November	December	January	February	March	April	May	June	Average
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	67.50	67.50	70.00	70.00	70.00	70.00	70.00	70.00	72.50	72.50	75.00	75.00	70.83
2	Kollam	72.50	72.50	75.00	75.00	75.00	75.00	75.00	75.00	77.50	80.00	80.00	80.00	76.04
3	Alappuzha	71.00	71.00	73.50	73.50	73.50	73.50	73.50	76.00	78.50	81.00	81.00	81.00	75.58
4	Kottayam	70.00	70.00	70.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	73.75
5	Eranakulam	72.50	72.50	72.50	72.50	72.50	72.50	72.50	75.00	75.00	75.00	75.00	75.00	73.54
6	Thrissur	75.00	75.00	80.00	80.00	80.00	80.00	80.00	80.00	85.00	95.00	95.00	95.00	83.33
7	Palakkad	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	65.00	67.50	67.50	61.67
8	Malappuram	80.00	87.50	87.50	87.50	87.50	87.50	87.50	87.50	87.50	87.50	92.50	92.50	87.71
9	Kozhikode	80.00	80.00	80.00	80.00	82.50	82.50	82.50	82.50	82.50	82.50	87.50	87.50	82.50
10	Kannur	77.50	77.50	77.50	77.50	77.50	77.50	80.00	80.00	80.00	85.00	88.50	91.00	80.79
	State average													

3.10 Agricultural wages 1993-94

Agricultural labour (Men) paddy field labour

Men (in Rs.)

Sl. No	District	July	August	September	October	November	December	January	February	March	April	May	June	Average
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	60.00	60.00	62.50	62.50	65.00	60.00	60.00	60.00	60.00	60.00	62.50	62.50	61.25
2	Kollam	47.50	47.50	50.00	50.00	50.00	50.00	50.00	55.00	55.00	60.00	60.00	60.00	52.92
3	Alappuzha	43.50	43.50	46.00	46.00	46.00	45.00	45.00	45.00	45.00	50.00	52.50	52.50	46.67
4	Kottayam	37.50	37.50	37.50	37.50	37.50	37.50	37.50	37.50	37.50	37.50	37.50	42.50	37.92
5	Eranakulam	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50
6	Thrissur	59.00	59.00	61.50	61.50	64.00	64.00	64.00	64.00	64.00	67.50	67.50	67.50	63.63
7	Palakkad	32.50	32.50	32.50	35.00	35.00	35.00	35.00	35.00	35.00	37.50	40.00	40.00	35.42
8	Malappuram	60.00	60.00	60.00	65.00	65.00	65.00	65.00	65.00	65.00	67.50	67.50	67.50	64.38
9	Kozhikode	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50
10	Kannur	65.00	65.00	65.00	65.00	70.00	70.00	70.00	70.00	70.00	70.00	75.00	77.50	69.38
	State average													54.26

3.10 Agricultural wages 1993-94

Other Agricultural labour (women) paddy field labour

Women (in Rs.)

Sl. No	District	July	August	September	October	November	December	January	February	March	April	May	June	Average
		3	4	5	6	7	8	9	10	11	12	13	14	15
1	2	45.00	45.00	45.00	45.00	45.00	41.00	41.00	41.00	42.50	45.00	50.00	50.00	44.63
1	Thiruvananthapuram	32.50	35.00	35.00	35.00	35.00	37.50	37.50	37.50	37.50	40.00	40.00	40.00	36.88
2	Kollam	31.00	30.00	31.00	30.00	31.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.25
3	Alappuzha	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	25.50	24.13
4	Kottayam	37.00	37.00	37.00	37.00	37.00	37.00	37.00	38.50	38.50	38.50	38.50	38.50	37.63
5	Eranakulam	33.00	33.00	33.00	33.00	34.00	34.00	36.50	36.50	36.50	43.50	47.50	50.00	32.38
6	Thrissur	20.00	20.00	20.00	22.50	22.50	22.50	25.00	25.00	25.00	25.00	27.50	27.50	23.54
7	Palakkad	37.00	37.00	37.00	39.50	39.50	42.50	42.50	42.50	45.00	45.00	45.00	45.00	41.46
8	Malappuram	39.50	39.50	39.50	39.50	39.50	39.50	39.50	39.50	39.50	39.50	39.50	39.50	39.50
9	Kozhikode	42.50	42.50	42.50	42.50	45.00	45.00	45.00	45.00	45.00	45.00	47.50	47.50	44.58
10	Kannur													
	State average													35.49

3.10 Agricultural wages 1993-94

Other agricultural labour (men)

(in Rs.)

Sl. No	District	July	August	September	October	November	December	January	February	March	April	May	June	Average
		3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	55.00	55.00	57.50	57.50	60.00	60.00	60.00	60.00	60.00	60.00	60.00	62.50	58.96
2	Kollam	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	52.50	57.50	57.50	57.50	52.08
3	Alappuzha	51.00	51.00	51.00	51.00	51.00	51.00	51.00	51.00	51.00	51.00	53.50	53.50	51.42
4	Kottayam	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
5	Eranakulam	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
6	Thrissur	61.50	61.50	64.00	64.00	66.50	66.50	66.50	66.50	66.50	70.00	70.00	70.00	66.13
7	Palakkad	32.50	32.50	32.50	35.00	35.00	35.00	35.00	35.00	35.00	37.50	40.00	40.00	35.42
8	Malappuram	65.00	65.00	65.00	70.00	70.00	71.00	71.00	71.00	71.50	73.50	73.50	80.00	63.83
9	Kozhikode	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50	60.00	57.71
10	Kannur	67.50	67.50	67.50	67.50	72.50	72.50	72.50	72.50	72.50	80.00	85.00	85.00	73.54
	State average													54.70

3.10 Agricultural wages 1993-94

Other agricultural labour (women)

Women (in Rs.)

Sl. No	District	July	August	September	October	November	December	January	February	March	April	May	June	Average
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	47.50	47.50	47.50	47.50	52.50	52.50	52.50	52.50	52.50	52.50	52.50	55.00	51.04
2	Kollam	42.50	45.00	45.00	45.00	45.00	45.00	45.00	47.50	47.50	47.50	47.50	47.50	45.83
3	Alappuzha	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Kottayam	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
5	Eranakulam	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
6	Thrissur	35.50	35.50	35.50	38.00	38.00	38.00	38.00	38.00	38.00	45.00	45.00	47.50	39.33
7	Palakkad	20.00	20.00	20.00	22.50	22.50	22.50	25.00	25.00	25.00	25.00	27.50	27.50	23.54
8	Malappuram	40.00	40.00	45.00	45.00	45.00	45.00	45.00	45.00	50.00	50.00	50.00	50.00	45.83
9	Kozhikode	44.50	44.50	44.50	44.50	44.50	44.50	44.50	44.50	44.50	44.50	44.50	44.50	44.50
10	Kannur	40.00	40.00	40.00	40.00	42.50	42.50	42.50	42.50	42.50	45.00	45.00	45.00	42.29
	State average													40.82

3.10 Agricultural wages 1994-95

I. Carpenter (in Rs.)

Sl. No	District	July	August	September	October	November	December	January	February	March	April	May	June	Average
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	80.00	82.50	82.50	82.50	87.50	90.00	90.00	90.00	90.00	90.00	95.00	95.00	87.9
2	Kollam	80.00	80.00	80.00	82.50	80.00	80.00	80.00	80.00	85.00	85.00	85.00	90.00	82.29
3	Alappuzha	81.00	82.00	81.50	81.00	81.50	86.50	86.50	86.50	86.50	86.50	89.00	94.00	85.25
4	Kottayam	75.00	75.00	77.50	77.50	82.50	82.50	82.50	82.50	82.50	85.00	87.50	87.50	81.46
5	Ernakulam	75.00	77.50	77.50	77.50	82.50	85.00	85.00	85.00	85.00	85.00	85.00	85.00	81.88
6	Thrissur	92.50	92.50	92.50	92.50	92.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	93.96
7	Palakkad	67.50	67.50	67.50	67.50	67.50	67.50	67.50	70.00	70.00	75.00	75.00	75.00	69.79
8	Malappuram	92.50	102.50	102.50	102.50	102.50	102.50	103.50	108.50	108.50	108.50	108.50	108.50	104.25
9	Kozhikode	87.50	90.00	92.50	92.50	92.50	92.50	92.50	92.50	92.50	100.00	111.00	111.00	95.58
10	Kannur	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	95.00	95.00	95.00	92.00
	State average													87.44

3.10 Agricultural wages 1994-95

2. Mason (in Rs.)

Sl. No	District	July	August	September	October	November	December	January	February	March	April	May	June	Average
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	75.00	77.50	77.50	77.50	82.50	85.00	85.00	85.00	85.00	85.00	90.00	90.00	82.92
2	Kollam	80.00	80.00	80.00	82.50	82.50	82.50	82.50	82.50	82.50	82.50	85.00	90.00	82.71
3	Alappuzha	81.00	81.00	81.50	81.50	81.50	86.50	86.50	86.50	86.50	86.50	89.00	94.00	85.17
4	Kottayam	75.00	75.00	77.50	77.50	82.50	82.50	82.50	82.50	82.50	85.00	87.50	87.50	81.46
5	Ernakulam	75.00	77.50	77.50	77.50	82.50	82.50	85.00	85.00	85.00	85.00	85.00	85.00	81.88
6	Thrissur	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	97.50	97.50	97.50	95.63
7	Palakkad	67.50	67.50	67.50	67.50	67.50	67.50	67.50	70.00	70.00	75.00	75.00	75.00	69.79
8	Malappuram	92.50	102.50	102.50	102.50	102.50	102.50	103.50	108.50	108.50	108.50	108.50	108.50	104.25
9	Kozhikode	87.50	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	100.00	111.00	111.00	94.13
10	Kannur	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	95.00	95.00	95.00	92.00
	State average													87.00

3.10 Agricultural wages 1994-95

Paddy field labour (Men)

Men (in Rs.)

Sl. No	District	July	August	September	October	November	December	January	February	March	April	May	June	Average
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	62.50	62.50	62.50	70.00	70.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	71.00
2	Kollam	60.00	60.00	60.00	60.00	60.00	67.50	67.50	67.50	70.00	70.00	70.00	70.00	65.21
3	Alappuzha	52.50	55.00	55.00	55.00	55.00	55.00	55.00	55.00	57.50	57.50	57.50	60.00	55.83
4	Kottayam	42.50	42.50	47.50	47.50	47.50	47.50	47.50	47.50	47.50	55.00	60.00	60.00	49.38
5	Ernakulam	53.50	53.50	63.50	63.50	63.50	63.50	63.50	63.50	63.50	63.50	64.00	64.00	61.92
6	Thrissur	67.50	67.50	67.50	67.50	67.50	67.50	67.50	67.50	75.00	75.00	80.00	80.00	70.83
7	Palakkad	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	45.00	45.00	40.83
8	Malappuram	67.50	75.00	77.50	77.50	77.50	77.50	77.50	78.50	78.50	78.50	78.50	78.50	76.88
9	Kozhikode	57.50	60.00	62.50	62.50	62.50	62.50	65.00	65.00	65.00	71.00	71.00	71.00	64.63
10	Kannur	77.50	77.50	77.50	77.50	77.50	77.50	77.50	77.50	77.50	82.50	82.50	82.50	78.75
	State average													

3.10 Agricultural wages 1994-95

Paddy field labour (women)

Women (in Rs.)

Sl. No	District	July	August	September	October	November	December	January	February	March	April	May	June	Average
		3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	50.00	50.00	47.50	47.50	47.50	47.50	47.50	47.50	52.50	52.50	55.00	55.00	50.00
2	Kollam	40.00	40.00	42.50	42.50	42.50	42.50	50.00	50.00	50.00	50.00	50.00	50.00	45.83
3	Alappuzha	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
4	Kottayam	28.50	25.50	29.00	30.00	29.00	29.00	29.00	32.50	32.50	35.00	35.00	35.00	30.58
5	Eranakulam	38.50	43.50	43.50	43.50	43.50	43.50	43.50	43.50	43.50	43.50	44.00	44.00	43.17
6	Thrissur	50.00	50.00	50.00	50.00	50.00	50.00	52.50	52.50	52.50	55.00	57.50	57.50	52.29
7	Palakkad	27.50	27.50	27.50	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	29.38
8	Malappuram	45.00	45.00	45.00	45.00	45.00	45.00	45.00	46.00	46.00	46.00	46.00	46.00	45.42
9	Kozhikode	39.50	39.50	39.50	39.50	42.50	42.50	51.00	51.00	51.00	51.00	51.00	51.00	42.75
10	Kannur	47.50	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	44.79
	State average													41.92

3.10 Agricultural wages 1994-95

Other agricultural labour (men)

Sl. No	District	Men (in Rs.)												
		July	August	September	October	November	December	January	February	March	April	May	June	Average
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	62.50	70.00	72.50	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	73.33
2	Kollam	57.50	60.00	60.00	60.00	60.00	60.00	70.00	70.00	70.00	70.00	70.00	70.00	64.77
3	Alappuzha	53.50	56.50	56.50	56.50	61.50	61.50	61.50	61.50	61.50	64.00	64.00	66.50	60.42
4	Kottayam	40.00	40.00	45.00	47.50	45.00	45.00	45.00	45.00	45.00	50.00	57.50	57.50	46.88
5	Eranakulam	50.00	50.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	58.33
6	Thrissur	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	75.00	75.00	75.00	71.25
7	Palakkad	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	45.00	45.00	45.00	41.25
8	Malappuram	80.00	81.00	81.00	83.50	83.50	83.50	83.50	83.50	83.50	83.50	83.50	83.50	82.79
9	Kozhikode	60.00	60.00	62.50	62.50	65.00	65.00	71.00	71.00	71.00	71.00	71.00	71.00	66.75
10	Kannur	85.00	85.00	86.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.08
	State average													

3.10 Agricultural wages 1994-95

Other agricultural labour (women)

Sl. No	District	Women (in Rs.)													
		July	August	September	October	November	December	January	February	March	April	May	June	Average	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	Thiruvananthapuram	55.00	60.00	65.00	67.50	67.50	67.50	67.50	67.50	70.00	70.00	70.00	70.00	70.00	66.46
2	Kollam	47.50	47.50	50.00	55.00	55.00	55.00	62.50	62.50	62.50	62.50	62.50	62.50	62.50	57.08
3	Alappuzha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Kottayam	35.00	35.00	42.50	45.00	42.50	42.50	42.50	42.50	42.50	42.50	47.50	47.50	47.50	42.50
5	Eranakulam	40.00	45.00	45.00	45.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	47.92
6	Thrissur	47.50	47.50	47.50	47.50	47.50	50.00	52.50	52.50	52.50	55.00	60.00	57.50	51.46	
7	Palakkad	27.50	27.50	27.50	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	29.38
8	Malappuram	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
9	Kozhikode	44.50	44.50	47.00	47.00	50.00	50.00	63.50	63.50	63.50	63.50	63.50	63.50	63.50	55.33
10	Kannur	45.00	47.50	47.50	47.50	47.50	47.50	47.50	47.50	47.50	47.50	47.50	47.50	47.50	47.29
	State average														44.7

Part IV

WORKING CLASS CONSUMER PRICE INDEX NUMBERS

The consumer price index numbers for the state are being compiled in respect of 15 selected centers with the base 1970 = 100. The indices for the various centers for the years 1992, 93 and 94 are furnished below.

Table 4.1 – Consumer Price Index Numbers for Various Centres

Sl No	Centre	Yearly average Consumer price Index Numbers			Percentage change compared to the previous year		
		1992	1993	1994			
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	552	596	673	11	8	13
2	Kollam	571	615	687	11	8	12
3	Punalur	544	586	640	11	8	9
4	Alappuzha	552	599	676	10	9	13
5	Kottayam	555	599	676	12	8	13
6	Mundakkayam	552	599	675	13	9	13
7	Munnar	541	590	667	11	9	13
8	Eranakulam	540	589	658	12	9	12
9	Chalakkudy	559	608	687	12	9	13
10	Thrissur	539	587	668	12	9	14
11	Palakkad	543	591	675	12	9	14
12	Malappuram	572	617	696	11	8	13
13	Kozhikode	553	597	668	10	8	12
14	Meppady	565	611	695	10	8	14
15	Kannur	554	602	680	11	9	13

Table 4.1 Monthly statement showing the Consumer Price Index Numbers for the Agricultural year 1992-93 (old series)

Base 1939 = 100

Sl. No	Centre	July	August	September	October	November	December	January	February	March	April	May	June
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Thiruvananthapuram	4817	4800	4826	4887	4930	4965	5000	5043	5060	5086	5113	5156
2	Kollam	4893	4885	4919	4987	5030	5064	5115	5150	5167	5184	5201	5235
3	Punalur	4575	4584	4609	4676	4718	4743	4785	4827	4835	4852	4869	4911
4	Alappuzha	4726	4743	4777	4845	4879	4913	4964	4999	5016	5033	5050	5092
5	Kottayam	4883	4891	4909	4979	5023	5058	5093	5119	5136	5154	5189	5224
6	Munnar	4336	4352	4376	4448	4488	4520	4568	4600	4616	4632	4656	4696
7	Eranakulam	4795	4812	4839	4918	4954	4989	5024	5068	5077	5104	5130	5174
8	Chalakkudy	4917	4952	4978	5057	5101	5136	5180	5207	5224	5250	5286	5321
9	Thrissur	4748	4757	4792	4871	4906	4941	4976	5011	5019	5046	5072	5116
10	Kozhikode	5289	5299	5337	5404	5442	5470	5518	5566	5575	5594	5632	5670
	State Average	4798	4808	4836	4907	4947	4980	5022	5059	5073	5094	5120	5159

Table 4.1 Monthly statement showing the Consumer Price Index Numbers for the Agricultural year 1993-94 (old series)

Base 1939 = 100

Sl. No	Centre	July	August	September	October	November	December	January	February	March	April	May	June
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Thiruvananthapuram	5182	5199	5251	5286	5303	5347	5399	5512	5564	5642	5711	5790
2	Kollam	5261	5278	5320	5346	5355	5397	5440	5568	5611	5688	5746	5833
3	Punalur	4936	4944	4986	5011	5003	5011	5036	5162	5204	5263	5305	5363
4	Alappuzha	5118	5144	5195	5212	5237	5280	5331	5459	5510	5579	5638	5724
5	Kottayam	5250	5268	5320	5355	5390	5434	5478	5609	5661	5731	5793	5880
6	Munnar	4728	4744	4792	4824	4856	4888	4936	5064	5120	5192	5256	5344
7	Eranakulam	5210	5227	5280	5316	5351	5395	5457	5563	5616	5678	5740	5828
8	Chalakkudy	5356	5382	5435	5452	5479	5523	5584	5698	5751	5830	5891	5988
9	Thrissur	5151	5177	5230	5256	5274	5326	5379	5510	5580	5650	5712	5808
10	Kozhikode	5708	5737	5794	5804	5823	5861	5918	6052	6090	6175	6233	6328
	State Average	5190	5210	5260	5286	5307	5346	5396	5520	5571	5643	5703	5789

Table 4.1 Monthly statement showing the Consumer Price Index Numbers for the Agricultural year 1994-95 (old series)

Base 1939 = 100

Sl. No	Centre	July	August	September	October	November	December	January	February	March	April	May	June
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Thiruvananthapuram	5902	5998	6067	6059	6163	6241	6336	6406	6432	6475	6527	6597
2	Kollam	5944	6021	6089	6106	6157	6226	6303	6354	6388	6456	6525	6593
3	Punalur	5447	5464	5464	5497	5539	5598	5698	5732	5749	5799	5858	5916
4	Alappuzha	5826	5911	5971	6022	6082	6167	6235	6287	6321	6363	6432	6500
5	Kottayam	5985	6081	6143	6125	6204	6283	6370	6431	6466	6528	6598	6659
6	Munnar	5424	5480	5480	5520	5576	5640	5704	5744	5744	5768	5808	5848
7	Eranakulam	5916	5951	5969	5951	5996	6075	6172	6243	6287	6340	6411	6481
8	Chalakkudy	6093	6172	6243	6295	6374	6462	6532	6594	6629	6682	6725	6787
9	Thrissur	5904	5983	6062	6114	6202	6290	6377	6447	6482	6544	6596	6649
10	Kozhikode	6433	6509	6385	6642	6681	6766	6843	6938	6985	7033	7090	7167
	State Average	5887	5957	6007	6033	6097	6175	6257	6318	6348	6399	6457	6520

Table 4.1 Monthly statement showing the Consumer Price Index Numbers for the Agricultural year 1992-93 (New series)

Base 1970 = 100

Sl. No	Centre	July	August	September	October	November	December	January	February	March	April	May	June
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Thiruvananthapuram	555	553	556	563	568	572	576	581	583	586	589	594
2	Kollam	573	572	576	584	589	593	599	603	605	607	609	613
3	Punalur	546	547	550	558	563	566	571	576	577	579	581	586
4	Alappuzha	554	556	560	568	572	576	582	586	588	590	592	597
5	Kottayam	558	559	561	569	574	578	582	585	587	589	593	597
6	Mundakkayam	553	556	559	566	571	576	581	585	587	589	593	598
7	Munnar	542	544	547	556	561	565	571	575	577	579	582	587
8	Ernakulam	543	545	548	557	561	565	569	574	575	578	581	586
9	Chalakkudy	560	564	567	576	581	585	590	593	595	598	602	606
10	Thrissur	542	543	547	556	560	564	568	572	573	576	579	584
11	Palakkad	545	547	550	558	562	566	571	575	577	580	583	588
12	Malappuram	574	575	578	586	591	594	599	603	605	607	611	615
13	Kozhikode	555	556	560	567	571	574	579	584	585	587	591	595
14	Meppady	566	567	570	578	583	587	593	597	599	602	606	610
15	Kannur	556	556	559	568	573	576	582	586	588	591	595	600
	State average	555	556	559	567	572	576	581	585	587	589	592	597

Table 4.1 Monthly statement showing the Consumer Price Index Numbers for the Agricultural year 1993-94 (New series)

Base 1970 = 100

Sl. No	Centre	July	August	September	October	November	December	January	February	March	April	May	June
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Thiruvananthapuram	597	599	605	609	611	616	622	635	641	650	658	667
2	Kollam	616	618	623	626	627	632	637	652	657	666	623	683
3	Punalur	589	590	595	598	597	598	601	616	621	628	633	640
4	Alappuzha	600	603	609	611	614	619	625	640	646	654	661	671
5	Kottayam	600	602	608	612	616	621	626	641	647	655	662	672
6	Mundakkayam	601	603	608	612	616	620	626	641	647	654	660	670
7	Munnar	591	593	599	603	607	611	617	633	640	649	657	668
8	Eranakulam	590	592	598	602	606	611	618	630	636	643	650	660
9	Chalakkudy	610	613	619	621	624	629	636	649	655	664	671	682
10	Thrissur	588	591	597	600	602	608	614	629	637	645	652	663
11	Palakkad	592	595	601	605	608	614	621	636	642	651	658	670
12	Malappuram	618	621	627	629	631	636	641	658	665	673	680	691
13	Kozhikode	599	602	608	609	611	615	621	635	639	648	654	664
14	Meppady	613	615	620	623	625	630	637	652	659	668	676	689
15	Kannur	604	607	613	615	617	621	628	643	649	657	664	675
	State average	601	603	609	612	614	619	625	639	645	654	661	671

Table 4.1 Monthly statement showing the Consumer Price Index Numbers for the Agricultural year 1994-95 (New series)

Base 1970 = 100

Sl. No	Centre	July	August	September	October	November	December	January	February	March	April	May	June
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Thiruvananthapuram	680	691	699	698	710	719	730	738	741	746	752	760
2	Kollam	696	705	713	715	721	729	738	744	748	756	764	772
3	Punalur	650	652	652	656	661	668	680	684	686	692	699	706
4	Alappuzha	683	693	700	706	713	723	731	737	741	746	754	762
5	Kottayam	684	695	702	700	709	718	728	735	739	746	754	761
6	Mundakkayam	683	692	698	703	711	719	726	731	733	739	745	751
7	Munnar	678	685	685	690	697	705	713	718	718	721	726	731
8	Eranakulam	670	674	676	674	679	688	699	707	712	718	726	734
9	Chalakkudy	694	703	711	717	726	736	744	751	755	761	766	773
10	Thrissur	674	683	692	698	708	718	728	736	740	747	753	759
11	Palakkad	682	692	700	705	716	727	736	743	748	754	761	768
12	Malappuram	703	713	721	727	734	744	756	765	771	778	784	791
13	Kozhikode	675	683	691	697	701	710	718	728	733	738	744	752
14	Meppady	702	713	721	732	737	748	758	767	771	778	785	794
15	Kannur	686	696	704	711	720	730	740	746	753	760	765	772
	State average	683	691	698	702	710	719	728	735	739	745	752	759

The monthly Consumer Price Index numbers for the years 1992-93, 1993-94 and 1994-95, with base year 1970 for 15 centres have been furnished in the above 4.1 tables. The index for 10 centres of the old series using linking factor have also been furnished in table 4.1 for comparison.

4.2 Parity Index

The index of parity measures the variation in the economic prosperity of the farmer in relation to changing farm prices, farm cultivation cost and domestic expenditure as compared to the position in the base period. This is defined as the ratio of the index of prices received and the index of prices paid by farmers expressed as a percentage.

The index of prices received by farmers is a measure of relative changes in respect of a farmer from important agricultural products a result of changes in farm prices. The changes are measured based on the prices prevailed in the base year 1952-53. The weighted average of the price relative of the current farm prices to those of base year is defined as the Index of prices received. For the construction of the index the following crops are considered.

Paddy, Coconut, Arecanut, Cashew, Tapioca, Ginger, Pepper, Banana and Sugarcane.

The index number of the prices paid by the farmer is a measure of relative change in expenditure incurred by the farmer for farm cultivation cost and domestic consumption as a result of changes in wage rates, cost of implements, cost of manure, cost of maintenance of live stock and prices of consumer goods as compared to the situation in the base year.

The index of parity between prices received and prices paid by the farmer during each month of 1992, 1993 and 1994 are furnished in the table below.

Table 4.2 Index number of parity (base 1952-53 = 100)

Sl. No.	Month	1992	1993	1994
1	January	94	87	75
2	February	94	87	77
3	March	91	86	78
4	April	91	84	77
5	May	90	82	76
6	June	90	81	76
7	July	89	80	76
8	August	88	81	77
9	September	88	81	78
10	October	90	79	77
11	November	90	77	78
12	December	88	76	80

Table 4.3 Quarterly average retail prices of essential commodities of district headquarters 1992-93 (July to June)

Sl. No	Commodity/quantity	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam	Idukki	Eranakulam	Thrissur	Palakkad	Malappuram	Kozhikode	Wayanad	Kannur	Kasaragod
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
I.	Rice (FP) /Kg	8.97	8.40	7.92	7.34	8.22	7.71	7.79	8.26	7.66	7.89	8.21	8.37	7.57	7.23
		8.88	8.29	7.29	6.76	8.08	7.23	7.51	8.02	7.19	7.65	7.92	8.41	7.33	7.09
		8.36	8.30	7.09	7.59	7.94	7.15	7.33	7.93	7.22	7.49	7.92	8.49	7.10	6.55
		8.00	8.05	7.11	6.49	7.62	6.74	7.26	7.61	7.33	7.37	7.79	8.27	6.98	6.56
2	Tapioca /Kg.	2.06	2.50	2.46	2.15	2.43	2.29	2.08	2.04	2.14	2.00	2.41	2.25	2.97	-
		2.33	2.58	3.00	2.46	2.94	2.67	2.71	2.76	2.08	2.24	2.58	2.58	3.00	-
		2.43	2.93	2.80	2.50	3.00	3.00	3.02	2.60	2.07	2.48	2.87	2.52	3.00	3.00
		2.46	3.00	3.00	2.44	2.71	3.00	2.50	2.59	2.00	2.42	2.89	2.92	3.00	2.91
3	Blackgram/Kg.	14.87	15.00	14.22	13.48	14.67	13.31	14.43	15.17	13.96	15.46	16.00	14.89	16.00	14.46
		14.90	14.60	14.50	16.85	13.94	13.29	13.33	14.08	13.11	14.18	15.11	14.86	15.56	13.75
		12.90	14.27	13.63	12.38	13.28	12.75	13.00	13.00	12.97	13.68	14.50	14.20	15.00	12.98
		13.34	13.93	13.50	11.29	13.03	11.63	12.84	13.00	12.32	13.20	14.00	14.90	15.00	13.10
4	Coconut oil/Kg.	48.60	49.51	50.88	49.44	50.03	48.49	48.58	47.80	50.09	47.82	49.28	52.62	48.27	52.73
		52.92	51.50	52.42	51.46	51.50	51.08	50.25	49.42	52.07	49.5	50.79	53.42	49.58	54.42
		52.51	50.45	51.77	50.14	50.86	50.30	49.42	48.73	50.87	49.38	50.03	52.80	49.28	53.82
		47.16	44.78	44.66	43.78	43.11	42.18	42.1	41.08	44.43	42.02	43.28	46.03	43.46	49.78
5	Gingelly oil/Ltr	41.60	45.83	45.00	39.98	42.00	40.14	39.59	37.52	38.62	37.18	37.71	44.57	41.16	44.50
		41.50	47.0	45.00	38.00	41.58	38.50	36.33	35.67	38.96	36.63	34.33	41.42	38.92	47.50
		40.80	47.00	45.00	36.83	41.13	38.13	36.00	34.68	36.86	35.48	33.65	37.69	37.17	45.25
		39.63	47.00	43.67	35.00	39.00	38.00	34.27	32.30	35.36	34.13	31.96	38.23	36.25	46.00
6	Chillies/Kg.	53.30	46.00	52.92	46.81	49.56	51.71	52.53	50.50	47.91	47.64	49.03	53.19	54.96	50.11
		53.73	47.35	50.67	43.73	46.48	46.57	47.00	47.1	50.46	42.53	48.13	50.33	52.43	47.17
		35.32	27.38	37.38	28.75	30.6	33.84	29.38	29.02	28.87	30.57	26.92	33.88	34.15	42.57
		24.05	17.05	24.77	18.85	21.2	20.67	20.43	22.22	20.53	20.25	18.18	24.53	23.73	26.05
7	Coconut	381.47	466.44	399.5	475.22	468.22	525.00	481.06	419.83	413.06	437.50	433.78	542.64	406.67	485.33
		403.33	492.5	451.67	493.33	513.33	535.42	496.67	435.17	437.5	440.42	430.83	525.83	420.00	496.67

		III	410.00	487.58	550.00	490.00	511.58	496.50	492.50	450.25	446.83	472.08	453.58	517.58	432.50	473.50
		IV	349.25	438.08	500.42	418.50	437.00	499.17	432.00	382.58	394.83	440.42	423.00	506.67	402.50	459.17
8	Sugar (FP)/Kg.	I	9.99	9.77	9.79	9.60	9.67	9.83	9.65	9.66	9.60	9.48	9.69	9.83	9.51	9.41
		II	10.08	9.87	9.93	9.76	9.72	9.86	9.74	9.52	9.67	9.53	9.74	9.87	9.58	9.59
		III	10.61	10.44	10.4	10.20	10.40	10.26	10.31	10.09	10.25	10.10	10.3	10.47	10.14	10.22
		IV	11.87	11.77	11.73	11.50	11.64	11.78	11.51	11.54	11.43	11.36	11.45	11.74	11.25	11.36
9	Tea/Kg.	I	31.37	31.50	31.50	31.50	31.50	31.37	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50
		II	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50
		III	32.33	32.58	31.85	31.92	31.50	32.17	33.17	32.18	33.08	32.63	32.54	32.33	32.17	31.50
		IV	34.70	34.95	34.75	34.75	34.57	34.75	34.85	34.75	34.8	34.82	34.75	34.00	34.85	34.10
10	Coffee powder/Kg.	I	24.30	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.52	24.50	24.50
		II	24.50	25.17	24.67	25.17	25.08	24.83	24.92	24.50	25.17	24.83	25.17	24.50	25.17	24.50
		III	25.43	25.50	25.50	25.50	25.50	25.50	25.50	25.17	25.50	25.50	25.50	25.43	25.50	25.43
		IV	27.20	27.00	25.50	27.70	25.75	27.00	27.50	27.50	27.50	26.90	25.50	25.50	25.75	25.50
11	Tobacco/Kg.	I	22.50	16.77	22.67	25.00	22.44	20.00	22.00	23.22	24.78	26.44	32.80	26.67	30.83	34.33
		II	22.50	17.00	23.83	25.00	22.00	20.50	22.00	24.83	25.00	29.33	32.00	27.04	32.00	32.00
		III	20.88	17.33	21.13	25.00	21.50	23.57	22.00	27.25	25.67	30.00	35.90	27.13	32.00	32.00
		IV	21.00	17.00	24.20	25.00	22.50	25.00	22.00	30.00	27.83	30.00	38.32	29.17	38.97	32.00

Table 4.3 Quarterly average retail prices of essential commodities of district headquarters 1993-94 (July to June)

Sl. No	Commodity/quantity	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam	Idukki	Eranakulam	Thrissur	Palakkad	Malappuram	Kozhikode	Wayanad	Kannur	Kasaragod
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Rice (FP)/Kg.	8.49	7.94	7.33	6.68	7.67	6.82	7.61	8.02	7.57	7.43	8.10	8.49	7.00	6.60
		8.61	8.00	7.51	6.70	7.97	7.02	7.71	7.85	7.27	7.57	7.82	8.10	7.08	6.70
		8.40	8.00	7.71	7.14	8.12	7.10	7.95	7.74	7.55	7.77	8.00	8.11	7.18	6.93
		8.93	8.26	8.28	7.61	8.71	7.09	8.50	8.46	8.23	8.46	8.71	8.44	7.68	7.69
2	Tapioca/Kg.	2.34	3.00	3.00	2.50	3.00	3.00	2.72	2.73	2.12	2.50	2.82	2.57	3.39	3.00
		2.50	3.00	3.00	2.50	3.00	2.60	3.00	2.89	2.21	2.50	2.81	2.68	3.46	3.11
		3.17	2.71	3.00	2.50	3.00	2.50	3.00	2.83	2.17	2.50	2.80	2.50	3.50	3.21
		3.00	3.00	3.00	2.46	3.00	2.50	2.58	2.60	2.36	2.50	2.80	2.50	3.38	3.30
3	Blackgram/Kg.	14.77	14.87	13.40	12.00	13.00	12.12	12.67	13.75	13.47	13.64	14.5	14.43	15.00	13.17
		14.69	14.97	13.56	12.1	13.58	11.97	12.9	13.5	12.5	13.59	14.93	14.22	15.00	14.00
		14.82	15.33	14.69	12.75	14.42	13.70	14.42	14.58	14.08	14.30	15.67	14.00	15.00	13.67
		20.43	19.97	19.62	18.30	19.43	19.83	20.02	20.28	20.09	20.02	20.85	19.88	19.63	17.77
4	Coconut oil/Kg.	41.45	40.39	40.92	39.73	39.6	38.25	38.68	38.43	40.22	39.27	40.88	43.45	40.62	44.67
		42.38	39.93	39.75	39.55	39.23	38.49	37.48	38.13	39.35	38.56	39.12	43.37	38.62	43.70
		36.42	35.58	35.88	35.09	34.17	35.67	33.88	34.17	36.53	35.20	35.75	38.54	35.13	37.83
		37.42	35.80	35.45	34.80	33.66	34.60	33.64	33.92	34.22	34.18	35.85	36.78	34.88	37.35
5	Gingelly oil/Ltr.	40.80	47.00	39.75	35.80	39.00	36.48	34.75	33.67	36.39	33.44	32.96	36.98	36.50	42.67
		42.88	47.00	41.18	38.55	40.32	37.58	36.4	35.33	39.39	36.46	36.05	38.20	39.77	44.00
		43.58	47.00	42.26	39.08	41.83	38.00	37.00	37.50	40.15	37.67	36.63	39.92	40.00	44.28
		45.18	46.83	42.79	40.87	43.00	39.60	38.25	39.73	40.27	37.73	37.92	40.00	40.00	47.67

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
6	Chillies/Kg.	I	23.17	18.68	21.48	18.00	19.03	20.54	23.47	20.67	19.92	19.48	24.15	24.22	23.65
		II	24.87	22.92	23.57	22.72	22.33	23.47	26.37	24.05	20.00	23.33	26.00	27.93	22.58
		III	28.50	23.83	25.33	22.75	22.00	22.33	27.00	26.83	22.17	25.42	27.67	27.42	21.58
		IV	28.28	25.12	27.93	24.82	24.67	28.50	29.50	28.57	26.47	25.87	35.43	30.02	32.82
7	Coconut/100 Nos.	I	317.75	373.58	456.25	371.58	389.00	450.00	386.75	321.75	389.58	350.50	442.83	372.00	398.67
		II	323.92	379.58	448.33	390.33	399.67	430.33	378.92	332.75	350.00	337.17	407.33	360.50	360.25
		III	277.00	238.00	425.00	339.00	364.00	415.00	345.00	323.00	325.00	331.25	375.00	336.00	321.00
		IV	269.33	337.67	389.67	332.58	360.58	397.08	350.42	329.17	329.33	350.50	397.50	324.00	306.67
8	Sugar (FP)/Kg.	I	11.42	11.25	11.22	11.04	11.20	11.34	11.16	11.01	10.94	11.17	11.48	10.98	11.05
		II	12.62	12.35	12.37	12.12	12.23	12.35	12.26	12.19	11.96	12.15	12.24	12.02	11.90
		III	14.13	13.94	13.88	13.69	13.78	13.83	13.72	13.63	13.46	13.65	13.77	13.44	13.44
		IV	15.43	15.1	15.00	14.77	15.05	14.79	14.97	14.97	14.73	14.97	15.31	14.89	14.82
9	Tea /KG.	I	34.75	34.75	34.75	34.75	34.75	34.75	34.75	34.75	34.75	34.75	34.75	34.75	34.75
		II	34.75	34.75	34.80	34.00	34.75	34.75	34.75	34.75	34.75	34.75	34.75	34.75	34.75
		III	34.75	34.75	34.80	34.75	34.75	34.75	34.75	34.75	34.75	34.75	34.75	34.75	34.75
		IV	34.75	34.75	34.75	34.78	34.75	34.75	34.75	34.75	34.75	34.75	34.75	34.75	34.75
10	Coffee powder/Kg.	I	28.75	29.00	26.57	29.38	29.50	29.00	29.13	28.75	28.75	28.13	26.25	29.38	28.55
		II	30.53	30.83	30.67	30.67	30.00	30.53	30.94	30.00	30.00	30.13	30.00	30.67	30.00
		III	32.33	32.01	32.88	32.63	33.21	32.00	33.13	31.50	32.06	32.00	32.00	33.38	32.75
		IV	33.50	33.40	33.50	33.50	33.50	33.30	33.50	32.50	33.50	33.50	32.5	33.50	33.50
11	Tobacco /Kg.	I	16.00	17.00	24.60	25.00	26.00	25.00	24.00	35.00	33.67	39.00	36.00	42.67	31.33
		II	17.07	17.40	23.40	25.00	27.47	23.83	24.00	37.92	35.00	39.00	35.17	38.00	29.17
		III	20.00	22.33	26.67	28.67	30.17	23.00	26.00	35.00	35.00	39.00	34.50	33.33	28.58
		IV	20.00	24.00	28.00	30.83	30.33	25.00	28.67	35.00	35.00	37.33	35.33	36.00	28.00

Table 4.3 Quarterly average retail prices of essential commodities of district headquarters 1994-95 (July to June)

Sl. No	Commodity/quantity	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam	Idukki	Eranakulam	Thrissur	Palakkad	Malappuram	Kozhikode	Wayanad	Kannur	Kasaragod
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
I	Rice (FP)/Kg.	6.82	6.82	-	6.82	6.82	6.44	6.82	6.82	6.82	6.83	6.82	6.86	6.85	-
II		6.82	6.82	-	6.82	6.82	6.44	6.82	6.82	6.82	6.83	6.82	6.86	6.85	-
III		6.82	6.82	-	6.82	6.82	6.33	6.82	6.82	6.82	6.83	6.82	6.86	6.82	-
IV		6.82	6.82	-	6.82	6.82	6.33	6.82	6.82	6.82	6.83	6.82	6.86	6.85	-
2	Tapioca/Kg.	3.00	3.00	3.00	2.55	30.00	2.55	2.80	2.50	2.40	2.60	3.00	2.50	3.50	3.30
II															
III															
IV		3.30	3.50	3.50	2.95	3.10	3.00	3.25	3.10	2.55	3.25	3.30	3.50	3.85	3.60
3	Blackgram/Kg.	21.95	22.10	21.30	18.80	21.10	19.50	21.00	21.75	20.70	20.05	22.90	20.90	22.00	18.00
I															
II															
III															
IV		32.25	35.95	33.05	30.65	31.00	33.35	36.20	33.90	32.65	29.75	37.70	33.85	35.30	24.05
4	Coconut oil/Kg.	36.80	35.70	35.80	38.00	34.30	34.60	34.85	34.50	36.10	35.10	36.30	37.90	35.30	36.90
I															
II															
III															
IV		36.40	35.25	34.70	34.95	33.20	34.65	34.30	33.25	35.90	33.70	34.60	38.30	34.45	37.40
5	Gingelly oil./Ltr.	44.00	48.00	43.45	40.40	43.00	38.80	38.25	37.15	40.80	37.25	35.70	40.00	40.00	44.50
I															
II															
III															
IV		58.65	64.30	59.75	50.35	51.90	50.00	52.15	51.00	50.60	46.80	50.15	58.15	51.20	58.75

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
6	Chillies/Kg.	I	29.80	28.80	30.20	25.25	27.05	26.6	31.10	27.89	31.30	28.00	31.65	35.50	31.60
		II													
		III													
		IV	39.50	33.95	42.75	37.05	38.65	39.15	39.90	44.00	37.30	45.00	44.10	41.10	43.60
7	Coconut/100 Nos.	I	258.50	327.00	375.00	342.15	336.65	390.80	364.00	309.60	335.25	308.30	409.30	377.00	280.00
		II													
		III													
		IV	262.65	319.75	400.00	302.50	367.00	396.65	340.15	317.35	326.35	305.30	423.60	330.00	356.40
8	Sugar (FP)/Kg.	I	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15
		II	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15
		III	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15
		IV	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15	9.15
9	Tea /KG.	I	34.75	34.75	34.80	34.75	34.75	34.75	34.75	34.75	34.75	34.75	34.75	34.75	34.75
		II													
		III													
		IV	36.30	36.80	34.75	36.00	36.30	36.75	36.75	36.75	36.60	36.75	36.40	36.15	36.40
10	Coffee powder/Kg.	I	53.95	39.65	41.50	46.95	53.70	43.80	48.80	51.60	50.25	45.40	35.80	39.30	39.35
		II													
		III													
		IV	66.50	63.50	66.50	63.50	63.50	66.50	66.50	63.50	66.50	65.00	64.75	66.50	66.50
11	Tobacco /Kg.	I	22.00	20.90	26.80	34.60	32.00	25.00	28.50	25.00	30.00	35.00	37.90	36.00	27.85
		II													
		III													
		IV	25.00	23.00	24.80	32.00	28.90	26.00	30.00	37.50	32.80	35.85	39.10	38.40	32.00

Table 4.5 Classification of soil

Sl. No.	District	Type of soil	Details of distribution
1	2	3	4
1	Thiruvananthapuram	1. Fairly rich brown loam of laterite origin	Loam of middle part of the district
		2. Sandy loam	Western coastal region
		3. Riches dark brown loam of granite origin	Eastern hilly part
2	Kollam	1. Sandy loam	Karunagapally and part of Kollam Taluk
		2. Laterite soil	Kottarakkara and part of Kunnathur and Pathanapuram Taluk
		3. Hill and forest soil	Part of Pathanapuram Taluk
3	Pathanamthitta	1. Laterite soil	Pathanamthitta, Mallappally, Ranni and part of Thiruvalla taluk.
		2. Hill and forest soil	Part of Pathanamthitta and Ranny taluks
4	Alappuzha	1. Sandy loam	Karthikappally and Mavelikkara taluks
		2. Sandy soil	Sherthalai and Ambalappuzha taluks
		3. Clay and loam with much of acidity	Kuttanad
		4. Laterite soil	Chengannur and part of Mavelikkara
5	Kottayam	1. Laterite soil	Part of Meenachil, Changanacherry and Kottayam taluks.
		2. Alluvial soil	Parts of Changanacherry and Kottayam taluks
6	Idukki	1. Laterite soil	Peerumade and Thodupuzha Taluks
		2. Alluvial soil	Devicolam and Udumbanchola taluks
7.	Ernakulam	1. Laterite	Moovattupuzha and part of Kunnathunadu,
		2. Sandy loam	Paravur, Kochi and Kanayannur taluks

8	Thrissur	3. Alluvial	Part of Aluva and Kunnathunad
		1. Sandy loam	Part of Mukundapuram, Thrissur and Chavakkad taluks
		2. Laterite	Western portion of Thalappilly and eastern part of Thrissur taluks.
		3. Granite	Northern part of Thalappilly
9	Palakkad	4. Clay	Back water area in Chavakkad and part of Mukundapuram
		1. Sandy soil	River side areas
		2. Laterite	Ottappalam, Perinthalmanna, Mannarkad and Palakkad taluks
10	Malappuram	3. Black soil	North eastern portion of chittoor taluks
		1. Sandy soil	Coastal areas of the district
		2. Laterite	Major parts of the district barring coastal areas
11	Kozhikode	1. Laterite	Major parts of the district barring coastal areas
		2. Sandy	Coastal areas.
12	Wayanad	1. Laterite	Most parts of the districts barring coastal areas
		2. Sandy	Coastal areas
13	Kannur	1. Laterite	Most part of the district barring coastal areas
		2. Sandy	Coastal areas

Table 4.6 Conversion ratios between raw materials and processed products

Paddy	Rice	Cleaned 2/3 by weight of paddy
Groundnut	Shelling percentage	65-80
	Oil percentage	45-55
Seasamum	Oil content	50 percent
Coconut	Copra to nuts	6775 nuts give one tonne of copra coverage
	Oil to copra	62%
	Cake to copra	38%
Pepper	Green to dry	21-39% by weight
Sugarcane	Gur from cane	10%
	Crystal sugar from gur	62.4%
	Crystal sugar from cane	9.9%
	Molasses from cane	3.5%
Cashew	Cashew kernel	25% of nuts
Arecanut	Husked champan to unhusked	35% by weight
Supari	Processed tendernut to unhusked champan	12%
Tapioca	Starch and pearl	12 – 18% on the weight of fresh tubers
Turmeric	Cured to draw (dry 17-25% of the raw stuff)	16-20% of the weight
Ginger	Dry giner	21-30% by weight
Cocoa	Pod to wet beans	40% by weight
	Wet beans to dried beans	35-40% by weight
Coffee	Variety - Robusta Berries to clean coffee	4.5 to 3.6 : 1
	Variety - Arabica Berries to clean coffee	5.0 to 3.3 : 1
Cardamom	Green to dry	25-35%
Oil palm	Palm oil	20% by weight of Bunch

Table 4.7 Major Nutrients in Fertilizers and Manures (Percentage)

		N	P ₂ O ₅	K ₂ O
1	Ammonium Sulphate Nitrate	26.0		
2	Ammonium Sulphate	20.5		
3	Ammonium Nitrate	33.5		
4	Ammonium Phosphate	16.00	20.00	
5	Diammoniam Phosphate	18.00	46.00	
6	Calcium Ammonium Nitrate	20.5		
7	Nitrate of soda	16.5		
8	Calciam Nitrate	15.3		
9	Urea	46.0		
10	Super phosphate single	-	18.00	
11	Super phosphate Double	-	35.0	
12	Super phosphate Tripple	-	45.0	
13	Rock phosphate	-	28.3	
14	Hyper Phosphate	-	27.3	
15	Sulphate of Potash	-	-	48.00
16	Muriate of potash	-	-	50 or 60
17	Groundnut cake	7.0	1.5	1.3
18	Caster cake	4.3	2.0	1.3
19	Mustard cake	4.5	1.5	-
20	Mahua cake	2.5	0.8	1.8
21	Neem cake	5.2	1.0	1.4
22	Gingelly cake	6.2	2.0	1.2
23	Coconut cake	3.0	1.9	1.8
24	Poultry manure	1.2-1.5	-	-
25	Deep litter poultry manure	3.0	2.78	2.0
26	Sheep manure	0.8 - 1.6		
27	Horse manure	0.6 - 1.6		
28	Farm yard manure	0.4	0.3	0.2
29	Fresh cow dung	1.57	0.25	0.18
30	Compost	0.5	1.26	0.5
31	Bone meal	3.5	21.0	-
32	Fish meal	4.1	3.9	0.3
33	Blood (dried)	11.5	1.5	0.6
34	Meat meal	11.0	-	0.6
35	White fish meal	10.0	10.0	1.0
36	Mussoori phos	-	20.24	-

Table 4.8 Insect/Pests affecting paddy crops, their distribution and some practical method of control

Insect pests	Symptoms	Control measurs	Qty/hectare
1	2	3	4
1. Stem borer	Vegetative phase - dead heart - ear bearing stage - white ear head	1. Nursery collection of egg masses 2. Cultivation of tolerant variety – IR 20 3. Insecticides 4. Carbofuran 3 G 5. Fenitrothion 50 EC 6. Phosphamidon 100 EC 7. Quinalphos 25 EC	18 Kg. 1000 ml 250 ml. 750 ml.
2. Gall midge	Silver shots	8. Nursery – Phorate 10G or Carbofuran 3G 10-15 days after sowing 9. Avoid late transplantation during 1 st crop season 10. Insecticides Carbofuran 3G Phorate 10 G Phosphamidon 100 EC	18kg. 12.5 kg. 250 ml.
3. Rice bug	De sapped grains; discoloured patches on husk	11. 1. Keep field and bunds weed free 12. 2. Apply any one of the insecticides in the early morning or late evening 13. Methy/parathion 50 EC 14. Malathien 50 EC 15. BHC (dust) 10% DP	500 ml. 1000 ml' 25 Kg.
4. Leaf roller	Leaves – folded/rolled, often webbed together, white patches	16. Open up leaf folds – by thorny twig 17. 2. Insecticides 18. Quinalphos 25 EC	750 ml

1	2	3	4
		Monocrotophos 40 EC	600 ml
		Methyl parathin 50 EC	500 ml
		Fenthien 40 EC	100 ml
5. Brown plant hopper	Yellowish Circular patches in field – hopper burn	1. Cultivation of resistant varieties – Bhadra, Asha, Pavizham 2. Drain water from field 3. Insecticides	
		Quinalphos 25 EC	750 ml
		Fenthion 50 EC	1000 ml.
		BHC 50 WP	2.5 kg.
		Phosphamidon 100 EC	250 ml.
6. Case worm	Cases seen hanging on the leaves	1. Drain water from the field 2. 2. Insecticides – BHC carbaryl 10% DP	25 kg.
7. Swarming caterpillar	Nursery and early stages of the crop are attacked leaving the plants as mere stumps	Insecticides BHC 500 wp Fenthion 50 EC Fenitrothin 50 EC	2.5 kg. 1000ml. 100 ml.
8. Rice hispa	Leaves – short white line, white blotches	13 HC 0.1% of spray	
9. Rice thrips	Tips of leaves get rolled into needle like out growth and then whitish	Insecticides carbaryl 50% WP Dimethroate 0.05% suspension Quinalphos 25 EC	2 kg. 750 ml.
10. Whorl Maggot	Leaves – yellowish patches/streaks along margin deformed leaves	Insecticide phorate 10 G	12.5 kg.
11. Mealy bug	Yellowish stamped plants leave, sheath white waxy fluff	Insecticides – Dimetholate 0.05% Phosphamidon 0.05%	750 ml 250 ml.

Table 4.9 Diseases affected by paddy – symptoms and control measures

1	2	3	4
1	Blast	Spots appear as distinct large in definite spindle shaped grey centre and brown margin of leaves. On stem one or two nodes just below the panicle greyish black or dark lesions appear. Grains are mostly half filled or unfilled	Seed – treatment – Dry – Pyroquilon (Fongorene) 28/kg. Seed, (as bendazin 2g/kg seed, tryclozole (beam_ 2g/kg seed/ wet fongorene 2g/kg seed/1L water/1L water. Carbendazim 2g/kg seed/1 L water Foliar sprays – Sineb 2kg./hectare Thiophonate 500g/hectare, Kitazin (500 in/ hectare), Carbabndazin 500g/hect., Aureofugin 30 / 60g/hectare., Ediphenphos 500ml/hectare
2	Brown leaf spot	On leaves spot appear as small, definite and may be oval or oblong, light brown or straw centre and dark reddish brown margin. Dark brown or black oval or oblong spots on the glumes or whole surface of the grain black and velvety.	Foliar spary – Zineb (2kg./hectare) or Mancozeb (2kg./hectare) Ediphenphos (500ml/hectare) Aureofungin 501 (60g/hectare)
3	Narrow brown leaf spot	Spots small and narrow, light brown or darker margin, numerous. Linerarly narrow brown spot arranged.	Foliar spray – Zineb (2kg/hectare)
4	Sheath Blight	On leaves greenish gray irregular lessions appear with dark line on margins lesions large and develop indefinity on older plants. Selerotial bodies attached to the lessions. Large greenish grey or dark edged whitish lessions appear on sheath lesions are oval, oblong or irregular and necrotic	Foliar spray – Zineb (2Kg./hectare) Captafol (80%) – 1.5 kg./hectare Ediphenphos (500ml/hectare) Thiophonate (500g/hectare) Carbendazim (500g/hectare) Carboxin (500g/hectare) Benomyl (500g/hectare) Validamycin (2ml/L) Prophylatic measures – application of neem coated urea, apply 50% more k, apply Bentazone, Benthicarb or Penoxalin for weed control.

1	2	3	4
5	Sheath rot	Oblong or irregular lesions with brown margins and grey centre appear on the leaf sheath, especially on the sheath covering panicles. The panicles remain within the sheath or only partially emerge. Whitish powdery fungal growth inside the rotten sheath	Foliar spray – captofol (1.5 kg./hectare) Ediphenphos (500g/hectare) Carbendazim (500ml/hectare) Carboxin (500g/hectare) Prophylatic measures – application of neem coated urea, apply 50% more k, apply Bentazone, Benthocarb or Penoxalin for weed control.
6	Slack burn	Large oval dark brown lesion on leaves. Pale brown to whitish spot with dark brown margin on grain	Seed treatment
7	Bacterial leaf blight (BLB)	Transplanted seedling showing bluish colouration within curled central leaf. Plants completely rol, starting from the outer leaves. Leaves with undulated yellowish white or golden yellow marginal necrosis, drying of leaves back from tip and curling leaving midrib intact.	Spray fresh cowdung extract for the control of BLB 20g. cowdung dissolved in one litre of water allowed to settle and sieved. Use super natent liquid. Application of bleaching powder at the rate of 5 kg./hectare in the irrigation water for checking the spread of BLB. Application of streptocycline 15g/300 l/hectare Agrimycine 750g/500l/hectare
8	Grassy stunt	Leaves yellowish green with rusty spots, severe stunting excessive tillering and erect habit, and grassy appearance.	Destrog infected plants spray insecticides to control the vectors
9	Ragged stunt	Ragged appearance of leaf on panicle	Spray insecticide to control vectors
10	Whirl Maggot	Leaves – yellowish patches/streaks along margin deffered leaves	Insecticide phorate 10gm 12.5kg.
11	Mealy bug	Yellowish stamped plants. Leave sheath-white waxy fluff	Insecticide Dinethoate 0.05% 750 ml Phosphamidan 0.05% 250ml

2	Diphtheria	Diphtheria	Diphtheria
	with brown membrane	with brown membrane	with brown membrane
	on the larynx	on the larynx	on the larynx
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat
	in the throat	in the throat	in the throat

23
13-10-18

141

