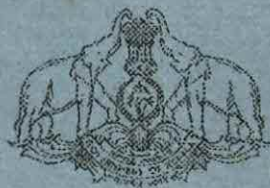


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Season and Crop Report 1998-99 & 1999-2000

Department of Economics and Statistics

Thiruvananthapuram

2002

Government of Kerala

**Season and Crop Report
1998-98 & 1999-2000**

Department of Economics and Statistics

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2002

PREFACE

This is the 32nd edition of "Season and Crop Report published in the series under the scheme of EARAS. In this report different aspects of the Agricultural Economy are covered and consolidated in a precise manner for the year 1998-99 and 1999-2000. Land utilisation Statistics, Area, Production Productivity, Irrigation particulars, price, wages, index, etc. are included in this report. The estimation has been made based on the sample survey conducted under the 50% centrally sponsored scheme EARAS during 1998-99 and 1999-2000.

The report has been prepared with the assistance of Sri. R. Bhaskaran Nair, Research Assistant, Smt. C. S. Lalithakumari, Research Officer of the division under the immediate guidance of Sri .S. Ramaswamy Iyer, Assistant Director on the over all guidance of Sri. Mohanakumaran Nair, Joint Director and Smt. S. Indira, Additional Director.

I hope this report will be useful to administrators, Government agencies and researchers and give a comprehensive picture of the Agricultural Economy of Kerala during 1998-99 and 1999-2000.

Suggestions for modifications and improvements of the report are hearty welcome.

**A. Meera Sahib
DIRECTOR**

Thiruvananthapuram,
15.01.2002.

CONTENTS

PART - I

| | | Page No. |
|-------|--|----------|
| 1.1 | Introduction | 4 |
| 1.2 | Topography | 4 |
| 1.3 | Administrative Region | 4 |
| 1.4 | Rural Development | 5 |
| 1.5 | Local Self Government | 5 |
| 1.6 | Climate | 5 |
| 1.6A | Month wise Distribution of Average Rainfall during 1999 & 2000 | 6 |
| 1.7 | Soil | 6 |
| 1.8 | Minerals | 6 |
| 1.9 | Crop and Crop Seasons | 6 |
| 2.0 | Land Utilisation | 8 |
| 2.1 | Forest | 8 |
| 2.1A | District wise distribution of area under forest 1998-99 & 1999-2000 | 8 |
| 2.2 | Land put to non-agricultural uses | 8 |
| 2.2A | District wise distribution of area non-agricultural uses | 9 |
| 2.3 | Barren and Uncultivable Land | 9 |
| 2.4 | Permanent pastures and grazing | 9 |
| 2.5 | Land under miscellaneous tree crop | 9 |
| 2.6 | Cultivable waste Land | 9 |
| 2.6A | District wise distribution of area under cultivable waste land 1998-99 & 1999-2000 | 9 |
| 2.7 | Fallow other than current fallow | 9 |
| 2.8 | Current fallow | 9 |
| 2.8A | District wise distribution of area under current fallow 1998-99 & 1999-2000 | 10 |
| 2.9 | Net Area Sown | 10 |
| 2.9A | District wise distribution of Net area sown 1998-99, 1999-2000 | 10 |
| 2.10 | Area sown more than once | 11 |
| 2.10A | District wise distribution of area sown more than once 1998-99 & 1999-2000 | 11 |
| 2.11 | Total Cropped area | 11 |
| 2.11A | District wise distribution of total cropped area in 1998-99 & 1999-2000 | 12 |
| 3.1 | Classification of area under crops according to seasonal annual, perennial crops | 12 |
| 3.1A | District wise distribution of area under seasonal Annual & perennial crops 1998-99 | 13 |
| 3.1B | District wise distribution of area under seasonal Annual & perennial crops 1999-2000 | 13 |
| 3.2 | Classification of area under crops according to food and non-food crops | 14 |
| 3.2A | District wise distribution of area under food crops 1998-99 | 14 |
| 3.2B | District wise distribution of area under food crops 1999-2000 | 14 |
| 4.0 | Irrigation | 15 |
| 4.1 | Source wise area under irrigation 1998-99 & 1999-2000 | 15 |
| 4.2 | Whether and Crop condition | 15 |

| PART - II | | |
|-------------------|---|----|
| 2.1 | Classification of area according to utilisation | 16 |
| 2.2 | Area under crops in Kerala 1998-99 & 1999-2000 | 16 |
| 2.3 | Production of important crops of 1998-99 & 1999-2000 | 18 |
| 2.4 | Average farm price for impartial agricultural commodities of 1998-99 & 1999-2000 | 18 |
| 2.5 | Crop Calendar | 19 |
| PART - III | | |
| 3.0 | District wise Actual & Normal rain fall (in mm) with percentage departure from Normal Rain fall for 1999 and 2000 | 20 |
| 3.1 | District wise monthly Rain fall in mm for 1999 in Kerala | 21 |
| 3.2 | District wise monthly Rain fall in mm for 2000 in Kerala | 22 |
| 3.3 | Classification of area under land utilisation for 1998-99 | 23 |
| 3.4 | Classification of area under land utilisation for 1999-2000 | 24 |
| 3.5 | Area under crops for 1998-99 | 25 |
| 3.6 | Area under crops for 1999-2000 | 31 |
| 3.7 | Production of important crops for 1998-99 | 37 |
| 3.8 | Production of important crops for 1999-2000 | 40 |
| 3.9 | Estimated productivity of crops for 1998-99 | 43 |
| 3.10 | Estimated productivity of crops for 1999-2000 | 44 |
| 3.11 | Estimated Area and production of Rice Autumn 1998-99 | 45 |
| 3.12 | Estimated Area and production of Rice Winter 1998-99 | 46 |
| 3.13 | Estimated Area and production of Rice Summer 1998-99 | 47 |
| 3.14 | Estimated Area and production of Rice Autumn 1999-2000 | 48 |
| 3.15 | Estimated Area and production of Rice Winter 1999-2000 | 49 |
| 3.16 | Estimated Area and production of Rice Summer 1999-2000 | 50 |
| 3.17 | Net Area Irrigated (source wise) 1998-1999 | 51 |
| 3.18 | Net Area Irrigated (source wise) 1999-2000 | 52 |
| 3.19 | Gross area under Irrigation crops wise 1998-99 | 53 |
| 3.20 | Gross area under Irrigation crops wise 1999-2000 | 54 |
| 3.21 | Average farm price of Important Commodities for 1998-99 | 55 |
| 3.22 | Average farm price of Important Commodities for 1999-2000 | 56 |
| 3.23 | Other Agricultural Wages for 1998-99 - Carpenter, Mason, Paddy field labour Men & Women | 57 |
| 3.24 | Other Agricultural Labour Men & Women 1998-1999 | 59 |
| 3.25 | Other Agricultural Wages for 1999-2000 - Carpenter, Mason, Paddy field labour Men & Women | 60 |
| 3.26 | Other Agricultural Labour Men & Women 1999-2000 | 61 |
| PART - IV | | |
| 4.0 | Consumer Price Index No. of vacancies centre for 1998 & 1999 | 63 |
| 4.1 | General Index for 1998 (Centre wise & Month wise) | 64 |
| 4.2 | General Index for 1999 (Centre wise & Month wise) | 65 |
| 4.3 | Parity Index | 66 |
| 4.4 | Classification of soil | 67 |
| 4.5 | Conversion ratio between the raw materials to the processed product | 69 |
| 4.6 | Major Nutrients in Fertilizers and Manures (Percentage) | 70 |
| 4.7 | Insects/pests affecting paddy crops, then distribution and some practical method of control | 71 |
| 4.8 | List of Rainguage stations in Kerala | 73 |
| 4.9 | Glossary of English Botanical and Malayalam name of crops | 75 |

Season and Crop Report of Kerala – 1998-99 and 1999-2000

1. Introduction

The Southern most State of Indian Union the "Kerala" has a geographical area of 38,863 Sq.Km. which accounts only 1.18% of the total area of the Country. The State lies of the Southern West corner of

Season and Crop Report of Kerala – 1998-99 and 1999-2000

1. Introduction

The Southern most State of Indian Union the “Kerala” has a geographical area of 38,863 Sq.Km. which accounts only 1.18% of the total area of the Country. The State lies of the Southern West corner of the Indian peninsulas between 8°18” and 12° 48” , North latitudes 74.52 & 77.22 East longitude. The coastal lines of the State is 590 Kms long and its breadth varies from 130 Kms in the middle to 32 Kms in the extremities

1.2 Topography

The topography of the State is typical one. The eastern boundary of the State is the Western Ghat. From the Western Ghat the landmass undulates 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 Ghat Criss – crossing the hills of valleys until they empty in to the Arabian Sea.

The land on the West coast is more or less flat and is adorned by lakes and lagoons. Due to there diverse characteristic of the land and consequent plant growth the state is classified in to 3 district regions viz. High Land, Middle Land and Low Land.

High Land Region

It comprises the ghat forests and most of the reserve forests. The major producer are teak wood trees. Rose Wood and other varieties of hard and soft wood trees. The annual rainfall is very high in this regions compared to other regions. In this region the land is suited for the cultivation of plantation crops like tea, coffee, cardamom and rubber. The commission an area of 18653 Sq.Kms.

Middle Land Region

The middle land region an area of 16231 Sq.Kms. is famous for its diverse crops, while rice is grown in valleys coconut, arecanut, rubber, pepper and tapioca are grown in the slipper of the hills. Thus major and minor crops are cultivated inter mixed with one another.

The Low Land Region

The low land region with an area of 2979 Sq.Kms. and is cultivated mainly by paddy and coconut, fishing is also are important source of livelihood of the people in this region.

The high cost of cultivation and comparatively low return had adversely affected both area and production of paddy. Since the rice produced in the State is less than half of the requirement the state has to depend on other neighbouring state for its food needs. There are also seasonal floods and draughts to which cause damage to crops.

1.3 Administrative Regions

For administrative purpose the State is divided into 14 district viz. Thiruvananthapuram, Kollam, Pathanamthitta, Allappuzha, Kottayam, Idukki, Ernakulam, Thrissur, Palakkad, Malappuram, Kozhikode, Wynad, Kannur and Kasaragod. Each district is divided into Taluks and Villages. There are 63 Taluks and 1452 Villages in the State at present.

District wise Distribution of area of the State

| Sl. No. | District | Area in Hect. | % to the total |
|---------|--------------------|---------------|----------------|
| 1 | Thiruvananthapuram | 218600 | 5.63 |
| 2 | Kollam | 251838 | 6.48 |
| 3 | Pathanamthitta | 268750 | 6.92 |
| 4 | Alappuzha | 136058 | 3.50 |
| 5 | Kottayam | 219550 | 5.65 |
| 6 | Idukki | 514962 | 13.25 |
| 7 | Eranakulam | 235319 | 6.06 |
| 8 | Thrissur | 299390 | 7.70 |
| 9 | Palakkad | 438980 | 11.30 |
| 10 | Malappuram | 363230 | 9.35 |
| 11 | Kozhikode | 233330 | 6.00 |
| 12 | Wynad | 212560 | 5.47 |
| 13 | Kannur | 296797 | 7.64 |
| 14 | Kasaragod | 196133 | 5.05 |
| | STATE | 3885497 | 100.00 |

Idukki is the largest and Alappuzha is the smallest district of the State.

1.4 Rural Development

The State is detailed in to 152 blocks for around development of the rural areas. The important programmes implemented by these blocks are Integrated Rural Development Programme (IRDP), Training of youths for self employment (TRYSEM) National Rural Development Programme (NREP) and Rural Landless Employment Guarantee Programme (RLEGP) and PMRY Programme. Besides those various scheme under the poverty amelioration programme better known as 20 point programme are also implemented in these blocks.

1.5 Local Self Government

Panchayat in rural areas and Municipalities and Corporation in urban area are the units of Local Self Government in the State. There are 991 Panchayat, 55 Municipalities and 3 Corporations, 1 township viz. Guruvayoor during the year under report. During 2000 – 2 Municipalities viz. Thrissur and Kollam has been upgraded in Corporation. These local bodies are administrated by the elected representatives of the local people.

1.6 Climate

The State is blessed with a moderate climate. Since the State is a narrow strip of land, that lies between high altitude mountains and sea, extreme climate are not experienced in this State.

Rain fall

The state receives copious rains from the South West and North East monsoon. The South West monsoon started from the beginning of June and extends up to September. The North East monsoon spell from October to December. Seasonal Shown do also occur during the remaining month of the year.

1.6 A - Month-wise distribution of average Rain fall during 1999 & 2000 (in mm)

| Sl.No. | Month | Year | |
|--------|-----------|--------|--------|
| | | 1999 | 2000 |
| 1 | January | 2.0 | 14.2 |
| 2 | February | 23.9 | 67.4 |
| 3 | March | 22.1 | 23.0 |
| 4 | April | 124.2 | 98.8 |
| 5 | May | 471.0 | 129.8 |
| 6 | June | 614.0 | 649.2 |
| 7 | July | 656.9 | 335.9 |
| 8 | August | 250.3 | 580.1 |
| 9 | September | 85.4 | 198.8 |
| 10 | October | 544.9 | 216.5 |
| 11 | November | 71.3 | 80.9 |
| 12 | December | 5.0 | 70.2 |
| | Total | 2871.0 | 2464.8 |
| | Average | 239.3 | 205.4 |

Source: Meteriological Division

Temperature

Since Kerala is a narrow strip of land situated between high altitude mountains of sea, extreme temperature is not experienced. The average temperature of the State varies from 21C to 33C.

1.7 Soil

The different types of soil found in various parts of the state are classified as follows:

- (1) The hilly and forests soil seen all along the central part of the State.
- (2) The sandy soil is seen in the coastal belt
- (3) The laterite soil seen in the middle.
- (4) The black soil seen the patches on the eastern boarder of Palakkad District.
- (5) The peat or kari soil seen in Alleppey.
- (6) The alluvial soil seen along the Southern and eastern parts of Vembanad lake and in small patcher in Thiruvananthapuram District.
- (7) The red soil found in the eastern tip of Thiruvananthapuram District.

1.8 Minerals

The state is not rich in minerals. But rare minerals sands such as Illuminate, Ruttile monosite, Zircon and Sillimanite are mined from the coastal lines. Minerals like white quartz sand, fire clay, ball clay, limes shell and chine clay are also mined in the State. Major minerals like coal, iron, etc. and petroleum are conspicuous by other absence. Consequently the State is industrially backward among other Indian States. The Kerala Mineral exploitation and Development of primay gold, gemstones, ornamental stones, ploceer gold and the proslamme for geological follow up.

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, the seeds like coconut, groundnut and gingelly and plantations crops like tea, coffee, rubber and cocoa.

The period of sowing of various crops mainly ie. The rainy season. Autumn, Winter and Summer are the season 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. Though perennial crops dominate the agriculture sector of the state intensive mixed cropping is the general pattern of cultivation.

2.0 Land Utilisation

The land utilisation particulars of the state for the year 1998-99 and 1999-2000 are furnished in table Part II 2.1 of the summary table and 3.2, 3.3 of detailed table. The total area of the state referred to is. Various tables in according to the village papers which slightly difference from that under professional survey.

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

2.1 Forest

Out of the total geographical area of the state forest area alone is accounted 1827.83% which is concentrated more in Idukki district and less in Kasaragod district. The only district with no forest area is Allappuzha in the State. The district wise distribution of area under forest is furnished below.

2.1A District wise distribution of area under forests 1998-99, 1999-2000

| Sl. No. | Name of District | Area under forests (Ha) | Percentage to total | % to total area of the district |
|---------|--------------------|-------------------------|---------------------|---------------------------------|
| 1 | Thiruvananthapuram | 49861 | 4.61 | 22.81 |
| 2 | Kollam | 81438 | 7.53 | 32.34 |
| 3 | Pathanamthitta | 155214 | 14.35 | 57.75 |
| 4 | Allappuzha | - | - | - |
| 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 |
| 15 | STATE | 1081509 | 100 | 27.83 |

2.2 Land put to non-agricultural uses

About 8.59% of geographical area comes under land put to non-agricultural uses for 1998-99 and 9.12% form 1999-2000. Out of total Land put to non-agricultural uses in the entire state more accounts to Palakkad district and less to Wayanad district. More over it is found that about 6.16% of area more than 1998-99 comes under land put to non-agricultural uses for 1999-2000 which shows more area is used for other than agricultural purposes. As compared with the geographical area of the district, a less are is used for non-agricultural uses in Idukki district. The district wise distribution of area come under Land put to non-agricultural uses follows.

2.2A District wise distribution of area under non-agricultural uses (In hectares)

| Sl.No | Districts | Area under uses | Non-Agricultural | % to total | | % to total geographical Area of the district | |
|-------|--------------------|-----------------|------------------|------------|---------|--|---------|
| | | 1998-99 | 1999-00 | 1998-99 | 1999-00 | 1998-99 | 1999-00 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Thiruvananthapuram | 20492 | 22564 | 6.14 | 6.37 | 9.37 | 10.32 |
| 2 | Kollam | 21060 | 21705 | 6.31 | 6.12 | 8.36 | 8.62 |
| 3 | Pathanamthitta | 14838 | 14986 | 4.45 | 4.23 | 5.52 | 5.58 |
| 4 | Allappuzha | 22606 | 22894 | 6.77 | 6.46 | 16.61 | 16.83 |
| 5 | Kottayam | 23077 | 24840 | 6.91 | 7.01 | 10.51 | 11.31 |
| 6 | Idukki | 14671 | 14982 | 4.39 | 4.23 | 2.85 | 2.91 |
| 7 | Eranakulam | 34510 | 39855 | 10.34 | 11.25 | 14.67 | 16.94 |
| 8 | Thrissur | 27377 | 32321 | 8.20 | 9.12 | 9.14 | 10.80 |
| 9 | Palakkad | 43704 | 43891 | 13.09 | 12.38 | 9.96 | 9.99 |
| 10 | Malappuram | 31613 | 32533 | 9.47 | 9.18 | 8.70 | 8.96 |
| 11 | Kozhikode | 22465 | 23436 | 6.73 | 6.61 | 9.63 | 10.04 |
| 12 | Wayanad | 10600 | 11647 | 3.18 | 3.29 | 4.99 | 5.48 |
| 13 | Kannur | 28553 | 28978 | 8.55 | 8.18 | 9.62 | 9.76 |
| 14 | Kasaragod | 18256 | 19758 | 5.47 | 5.57 | 9.31 | 10.07 |
| | STATE | 333822 | 354390 | 100 | 100 | 8.59 | 9.12 |

2.3 Barren and uncultivable land**District wise distribution of barren and uncultivable land 1998-99, 1999-2000**

(in hectares)

| Sl. No | Districts | Barren and uncultivable land | | % to total | | % to geographical area of the district | |
|--------|--------------------|------------------------------|-----------|------------|-----------|--|-----------|
| | | 1998-99 | 1999-2000 | 1998-99 | 1999-2000 | 1998-99 | 1999-2000 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Thiruvananthapuram | 433 | 502 | 1.53 | 1.74 | 0.20 | 0.23 |
| 2 | Kollam | 277 | 256 | 0.98 | 0.89 | 0.11 | 0.10 |
| 3 | Pathanamthitta | 429 | 446 | 1.51 | 1.54 | 0.16 | 0.17 |
| 4 | Allappuzha | 179 | 192 | 0.63 | 0.66 | 0.13 | 0.14 |
| 5 | Kottayam | 1376 | 1418 | 4.85 | 4.91 | 0.63 | 0.65 |
| 6 | Idukki | 4251 | 4136 | 15.00 | 14.32 | 0.83 | 0.80 |
| 7 | Eranakulam | 905 | 1120 | 3.19 | 3.88 | 0.38 | 0.48 |
| 8 | Thrissur | 296 | 494 | 1.04 | 1.71 | 0.10 | 0.17 |
| 9 | Palakkad | 3037 | 3402 | 10.72 | 11.78 | 0.69 | 0.77 |
| 10 | Malappuram | 2541 | 2932 | 8.97 | 10.15 | 0.70 | 0.81 |
| 11 | Kozhikode | 1344 | 1393 | 4.74 | 4.82 | 0.58 | 0.60 |
| 12 | Wayanad | 356 | 338 | 1.26 | 1.17 | 0.17 | 0.16 |
| 13 | Kannur | 3798 | 3693 | 13.40 | 12.79 | 0.13 | 1.24 |
| 14 | Kasaragod | 9119 | 8562 | 32.18 | 29.64 | 4.65 | 4.37 |
| | STATE | 28341 | 28884 | 100 | 100 | 0.73 | 0.74 |

As per the above tables barren and uncultivable land is higher in Kasaragod district followed by Eranakulam district and the same is less in Alappuzha district. More than 5% of total geographical area of the Kasaragod district comes under Barren and uncultivable land during 1997-98 and 1998-99.

2.4 Permanent pastures and grazing land

The estimated area under permanent pastures and grazing land is 682 hectares and 253 hectares during 1998-99 and 1999-2000 respectively which is less than 1% of the total geographical area of the state.

2.5 Land under miscellaneous tree crops

20200 hectares of area during 1998-99 and 18515 hectares of area during 1999-2000 comes under miscellaneous tree crops, which comprises about 0.5% of the total geographical area of the district. Most of the area under miscellaneous tree crops is from Idukki district and lesser in Thiruvananthapuram district.

2.6 Cultivable Waste Land

Estimated area under cultivable waste is 62710 hectares during 1998-99 and 58279 hectares of area during 1999-2000. i.e., Among the total area under cultivable land during 1998-99, 23.74% of area is in Kasaragod district. During 1999-2000, 28.52% of the total cultivable waste land comes in Palakkad district. When compared to the geographical area of the district, greater percentage of cultivable wasteland area is in Kasaragod district and lesser in Pathanamthitta district. District wise distribution of Area under cultivable waste land is tabled below:

2.6A Districtwise distribution of area under cultivable waste land 1998-99 and 1999-2000 (in hectares)

| Sl. No. | Districts | Area under cultivable waste | | % to total | | % to total geographical area of the district | |
|---------|--------------------|-----------------------------|-----------|------------|-----------|--|-----------|
| | | 1998-99 | 1999-2000 | 1998-99 | 1999-2000 | 1998-99 | 1999-2000 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Thiruvananthapuram | 326 | 448 | 0.52 | 0.77 | 0.15 | 0.02 |
| 2 | Kollam | 652 | 698 | 1.04 | 1.20 | 0.26 | 0.28 |
| 3 | Pathanamthitta | 193 | 282 | 0.31 | 0.48 | 0.07 | 0.10 |
| 4 | Allapuzha | 3477 | 2513 | 5.54 | 4.31 | 2.56 | 1085 |
| 5 | Kottayam | 1874 | 1660 | 2.99 | 2.85 | 0.85 | 0.76 |
| 6 | Idukki | 7799 | 3132 | 12.44 | 5.37 | 1.51 | 0.61 |
| 7 | Eranakulam | 3506 | 4594 | 5.59 | 7.88 | 1.49 | 1.95 |
| 8 | Thrissur | 2807 | 3087 | 4.48 | 5.30 | 0.94 | 1.03 |
| 9 | Palakkad | 13602 | 16622 | 21.69 | 28.52 | 3.10 | 3.78 |
| 10 | Malappuram | 5672 | 4596 | 9.04 | 7.89 | 1.57 | 1.27 |
| 11 | Kozhikode | 709 | 863 | 1.13 | 1.48 | 0.30 | 0.37 |
| 12 | Wayanad | 1872 | 1735 | 2.98 | 2.98 | 0.88 | 0.82 |
| 13 | Kannur | 5335 | 4741 | 8.51 | 8.14 | 1.80 | 1.60 |
| 14 | Kasaragod | 14886 | 13308 | 23.74 | 22.83 | 7.59 | 6.79 |
| | STATE | 62710 | 58279 | 100 | 100 | 1.61 | 1.50 |

2.7 Fallow other than current fallow

Area under fallow other than current fallow during 1999-2000 is 32138 hectares over 31357 hectares during 1998-99. This forms only 0.8% of the total geographical area of the district. A greater portion of the area under fallow other than current fallow comes in the district Palakkad.

2.8 Current fallow

The area under current fallow is estimated as 68022 hectares and 72166 hectares during 1998-99 and 1999-2000 respectively. When area under current fallow is compared with the total geographical area of the district a larger percentage of area under current fallow compared is in Alappuzha district followed by Malappuram district. Only below 0.5% of area under current fallow compared to geographical area of the district is in the districts Thiruvananthapuram and Idukki. The table of district wise distribution of area under current fallow during 1998-99 and 1999-2000 are given below:

2.8A District wise distribution of area under current fallow 1998-99, 1999-2000

(in hectares)

| Sl. No. | Districts | Area under current fallow | | % to total | | % to total geographical area of the district | |
|---------|--------------------|---------------------------|---------|------------|---------|--|---------|
| | | 1998-99 | 1999-00 | 1998-99 | 1999-00 | 1998-99 | 1999-00 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Thiruvananthapuram | 741 | 930 | 1.09 | 1.29 | 0.34 | 0.43 |
| 2 | Kollam | 2754 | 3384 | 4.05 | 4.69 | 1.09 | 1.34 |
| 3 | Pathanamthitta | 3591 | 3547 | 5.28 | 4.92 | 1.34 | 1.32 |
| 4 | Allapuzha | 5074 | 5835 | 7.46 | 8.09 | 3.73 | 4.29 |
| 5 | Kottayam | 4924 | 5271 | 7.24 | 7.30 | 2.24 | 2.40 |
| 6 | Idukki | 1828 | 1762 | 2.69 | 2.44 | 0.35 | 0.34 |
| 7 | Eranakulam | 4527 | 6752 | 6.65 | 9.35 | 1.92 | 2.87 |
| 8 | Thrissur | 7450 | 7936 | 10.95 | 11.00 | 2.49 | 2.65 |
| 9 | Palakkad | 10986 | 13267 | 16.15 | 18.38 | 2.50 | 3.02 |
| 10 | Malappuram | 12357 | 11368 | 18.17 | 15.75 | 3.40 | 3.13 |
| 11 | Kozhikode | 2557 | 2111 | 3.76 | 2.93 | 1.10 | 0.90 |
| 12 | Wayanad | 2564 | 2743 | 3.77 | 3.80 | 1.21 | 1.29 |
| 13 | Kannur | 3175 | 4032 | 4.67 | 5.59 | 1.07 | 1.36 |
| 14 | Kasaragod | 5494 | 3228 | 8.07 | 4.47 | 2.80 | 1.64 |
| | STATE | 68022 | 72166 | 100 | 100 | 1.75 | 1.86 |

2.9 Net Area Sown

225874 hectares and 2239363 hectares during 1998-99 and 1999-2000 respectively comes under estimated Net Area Sown, which is 58.13% and 57.63% respectively to the total geographical area of the district. Within the total Net area sown in the district is considered a greater area under this category comes in Idukki district followed by Palakkad district and the area under the same category is lesser in Pathanamthitta district.

2.9 A Districtwise distribution of Net area sown 1998-99, 1999-2000

(in hectares)

| Sl No | Districts | Net area sown in hectares | | % to total | | % to total geographical area of the district | |
|-------|--------------------|---------------------------|-----------|------------|-----------|--|-----------|
| | | 1998-99 | 1999-2000 | 1998-99 | 1999-2000 | 1998-99 | 1999-2000 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Thiruvananthapuram | 146207 | 143786 | 6.47 | 6.42 | 66.88 | 65.77 |
| 2 | Kollam | 144451 | 143302 | 6.39 | 6.40 | 57.36 | 56.90 |
| 3 | Pathanamthitta | 94074 | 93717 | 4.17 | 4.18 | 35.00 | 34.87 |
| 4 | Allapuzha | 102126 | 100653 | 4.52 | 4.49 | 75.06 | 73.98 |
| 5 | Kottayam | 177402 | 174895 | 7.85 | 7.81 | 80.80 | 79.66 |
| 6 | Idukki | 218590 | 223000 | 9.68 | 9.96 | 42.45 | 43.30 |
| 7 | Eranakulam | 179572 | 171320 | 7.95 | 7.65 | 76.31 | 72.80 |
| 8 | Thrissur | 153964 | 147530 | 6.82 | 6.59 | 51.43 | 49.28 |
| 9 | Palakkad | 218336 | 217176 | 9.67 | 9.70 | 49.74 | 49.47 |
| 10 | Malappuram | 203997 | 203759 | 9.03 | 9.10 | 56.16 | 56.10 |
| 11 | Kozhikode | 163517 | 162588 | 7.24 | 7.26 | 70.08 | 69.68 |
| 12 | Wayanad | 116145 | 115293 | 5.14 | 5.15 | 54.64 | 54.24 |
| 13 | Kannur | 203680 | 202579 | 9.02 | 9.05 | 68.63 | 68.26 |
| 14 | Kasaragod | 136613 | 139765 | 6.05 | 6.24 | 69.65 | 71.26 |
| | STATE | 2258674 | 2239363 | 100 | 100 | 58.13 | 57.63 |

2.10 area Sown more than Once

65786 hectares of area and 762341 hectares of area were sown more than once during 1998-99 and 1999-2000 respectively. A larger area was sown in Palakkad district during 1998-99 and in Idukki district during 1999-2000 smaller area was sown more than once in Kasaragod district. Out of the net area sown in the district 29.12% of area in 1998-99 and 34.04% of area in 1999-2000 were sown more than once. District wise distribution of area sown more than once and % of area sown more than with respect to net area and total area sown more than once in the state were given below:

2.10A District wise distribution of area sown more than once 1998-99, 1999-2000 (in hectares)

| Sl. No. | Districts | Area sown more than once | | % to total | | % to net area sown of the District | |
|---------|--------------------|--------------------------|-----------|------------|-----------|------------------------------------|-----------|
| | | 1998-99 | 1999-2000 | 1998-99 | 1999-2000 | 1998-99 | 1999-2000 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Thiruvananthapuram | 50931 | 53705 | 7.74 | 7.04 | 34.83 | 37.35 |
| 2 | Kollam | 67927 | 69309 | 10.33 | 9.09 | 47.02 | 48.37 |
| 3 | Pathanamthitta | 15424 | 18564 | 2.34 | 2.44 | 16.40 | 19.81 |
| 4 | Allapuzha | 33269 | 38295 | 5.06 | 5.02 | 32.60 | 38.05 |
| 5 | Kottayam | 39382 | 45761 | 5.99 | 6.00 | 22.20 | 26.16 |
| 6 | Idukki | 28940 | 41726 | 4.40 | 5.47 | 13.24 | 18.71 |
| 7 | Eranakulam | 42887 | 56052 | 6.52 | 7.35 | 23.88 | 32.72 |
| 8 | Thrissur | 32448 | 50986 | 4.93 | 6.69 | 21.08 | 34.56 |
| 9 | Palakkad | 91701 | 87331 | 13.94 | 11.46 | 42.00 | 40.21 |
| 10 | Malappuram | 42333 | 60685 | 6.43 | 7.96 | 20.75 | 29.78 |
| 11 | Kozhikode | 64053 | 69719 | 9.74 | 9.15 | 39.17 | 42.88 |
| 12 | Wayanad | 78925 | 93768 | 12.00 | 12.30 | 67.95 | 81.33 |
| 13 | Kannur | 67307 | 67670 | 10.23 | 8.88 | 33.05 | 33.40 |
| 14 | Kasaragod | 2277 | 8770 | 0.35 | 1.15 | 1.67 | 6.27 |
| | STATE | 657831 | 762341 | 100 | 100 | 29.12 | 34.04 |

2.11 Total Cropped Area

Total cropped area comprises net area sown and area sown more than once. 29.15 lakhs hectares of area is totally cropped in 1998-99 and 30.01 lakhs heaters of area is totally cropped during 1999-2000 respectively in Kerala as per EARAS survey report. Out of the total area cropped in the state. Palakkad district comes first where Pathanamthitta district comes last. When intensity of cropping is considered Wayanad District comes first in 1998-99 and 1999-2000.

2.11 A District wise distribution of total cropped area in 1998-99 and 1999-2000 (in hectares)

| Sl. No | Name of Districts | Total cropped Area in lakh hec. | | % to total | | % to geographical Area of District | | % to net area sown (Intensity of cropping) | |
|--------|--------------------|---------------------------------|-----------|------------|-----------|------------------------------------|-----------|--|-----------|
| | | 1998-99 | 1999-2000 | 1998-99 | 1999-2000 | 1998-99 | 1999-2000 | 1998-99 | 1999-2000 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | Thiruvananthapuram | 1.97 | 1.97 | 6.76 | 6.56 | 90.18 | 90.34 | 135 | 137 |
| 2 | Kollam | 2.12 | 2.12 | 7.27 | 7.06 | 84.33 | 84.42 | 147 | 148 |
| 3 | Pathanamthitta | 1.09 | 1.12 | 3.74 | 3.73 | 40.74 | 41.78 | 116 | 120 |
| 4 | Allapuzha | 1.35 | 1.39 | 4.63 | 4.64 | 99.53 | 102.12 | 133 | 138 |
| 5 | Kottayam | 2.17 | 2.21 | 7.44 | 7.36 | 98.74 | 100.50 | 122 | 126 |
| 6 | Idukki | 2.48 | 2.65 | 8.51 | 8.83 | 48.07 | 51.41 | 113 | 119 |
| 7 | Eranakulam | 2.22 | 2.27 | 7.61 | 7.57 | 94.54 | 96.62 | 124 | 133 |
| 8 | Thrissur | 1.86 | 1.99 | 6.38 | 6.63 | 62.26 | 66.31 | 121 | 135 |
| 9 | Palakkad | 3.10 | 3.05 | 10.63 | 10.16 | 70.63 | 69.37 | 142 | 140 |
| 10 | Malappuram | 2.46 | 2.64 | 8.44 | 8.80 | 67.82 | 72.80 | 121 | 130 |
| 11 | Kozhikode | 2.28 | 2.32 | 7.82 | 7.73 | 97.53 | 99.56 | 139 | 143 |
| 12 | Wayanad | 1.95 | 2.09 | 6.69 | 6.96 | 91.77 | 98.35 | 168 | 181 |
| 13 | Kannur | 2.71 | 2.70 | 9.30 | 9.00 | 91.30 | 91.06 | 133 | 133 |
| 14 | Kasaragod | 1.39 | 1.49 | 4.78 | 4.97 | 70.81 | 75.73 | 102 | 106 |
| | STATE | 29.15 | 30.01 | 100 | 100 | 75.06 | 77.25 | 129 | 134 |

3.1 Area under Crops

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 are harvested during the period of four months in the season are defined as seasonal crops of the respective season. The seasonal crops for which the major period of harvest in that village falls within July to October will be Autumn Crops, November to February winter crops and March to June Summer Crops. The crops which have duration of more than one season and less than one year are called annual crops. Crops which are standing more than one year will be treated as perennial crops. The district wise distribution of area under-crops classified as seasonal annual and perennial crops are given below:

3.1A District wise distribution of area under Seasonal, Annual and Perennial Crops 1998-99 (Area in hectares)

| Sl. No | Name of District | Seasonal Crops | | | Annual Crops | | | Perennial Crops | | | Total Cropped Area |
|--------|--------------------|----------------|------------|-------------------------------|--------------|------------|-------------------------------|-----------------|------------|-------------------------------|--------------------|
| | | Area (hect) | % to Total | % to Cropped Area of the Dist | Area (hect) | % to Total | % to Cropped Area of the Dist | Area (hect) | % to Total | % to Cropped Area of the Dist | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1 | Thiruvananthapuram | 40878 | 7.01 | 20.74 | 7043 | 6.77 | 3.57 | 149217 | 6.69 | 75.69 | 75.69 |
| 2 | Kollam | 55937 | 9.59 | 26.34 | 5990 | 5.76 | 2.82 | 150451 | 6.75 | 70.84 | 70.84 |
| 3 | Pathanamthitta | 18622 | 3.20 | 17.00 | 3707 | 3.56 | 3.39 | 87169 | 3.91 | 79.61 | 79.61 |
| 4 | Allapuzha | 44897 | 7.70 | 33.15 | 3699 | 3.55 | 2.73 | 86826 | 3.89 | 64.12 | 64.12 |
| 5 | Kottayam | 25519 | 4.38 | 11.77 | 7182 | 6.90 | 3.31 | 184083 | 8.26 | 84.92 | 84.92 |
| 6 | Idukki | 19936 | 3.42 | 8.06 | 9341 | 8.98 | 3.77 | 218253 | 9.79 | 88.17 | 88.17 |
| 7 | Eranakulam | 61416 | 10.52 | 27.61 | 12331 | 11.85 | 5.54 | 148712 | 6.67 | 66.85 | 66.85 |
| 8 | Thrissur | 44264 | 7.59 | 23.75 | 7965 | 7.65 | 4.27 | 134183 | 6.02 | 71.98 | 71.98 |
| 9 | Palakkad | 156689 | 26.87 | 50.54 | 15844 | 15.23 | 5.11 | 137504 | 6.17 | 44.35 | 44.35 |
| 10 | Malappuram | 38391 | 6.59 | 15.59 | 10520 | 10.11 | 4.27 | 197419 | 8.86 | 80.14 | 80.14 |
| 11 | Kozhikode | 15350 | 2.63 | 6.75 | 5298 | 5.09 | 2.33 | 206922 | 9.28 | 90.92 | 90.92 |
| 12 | Wayanad | 26921 | 4.62 | 13.81 | 5646 | 5.43 | 2.89 | 162503 | 7.29 | 83.30 | 83.30 |
| 13 | Kannur | 23212 | 3.98 | 8.57 | 6448 | 6.20 | 2.38 | 241327 | 10.82 | 89.05 | 89.05 |
| 14 | Kasaragod | 11010 | 1.89 | 7.93 | 3039 | 2.92 | 2.19 | 124841 | 5.60 | 89.88 | 89.88 |
| | STATE | 583042 | 100 | 20.00 | 104053 | 100 | 3.56 | 2229410 | 100 | 76.44 | 76.44 |

3.1B District wise distribution of area under Seasonal, Annual and Perennial Crops 1999-2000 (Area in hectares)

| Sl. No | Name of District | Seasonal Crops | | | Annual Crops | | | Perennial Crops | | | Total Cropped Area |
|--------|--------------------|----------------|------------|-------------------------------|--------------|------------|-------------------------------|-----------------|------------|-------------------------------|--------------------|
| | | Area (hect) | % to Total | % to Cropped Area of the Dist | Area (hect) | % to Total | % to Cropped Area of the Dist | Area (hect) | % to Total | % to Cropped Area of the Dist | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1 | Thiruvananthapuram | 38001 | 6.65 | 19.24 | 7939 | 6.91 | 4.02 | 151551 | 6.55 | 76.74 | 197491 |
| 2 | Kollam | 52739 | 9.22 | 24.81 | 5874 | 5.11 | 2.76 | 153998 | 6.65 | 72.43 | 212611 |
| 3 | Pathanamthitta | 18977 | 3.32 | 16.90 | 4279 | 3.72 | 3.81 | 89025 | 3.84 | 79.29 | 112281 |
| 4 | Allapuzha | 44758 | 7.83 | 32.21 | 4359 | 3.80 | 3.14 | 89831 | 3.88 | 64.65 | 138948 |
| 5 | Kottayam | 27880 | 4.88 | 12.63 | 7852 | 6.84 | 3.56 | 184924 | 7.99 | 83.81 | 220656 |
| 6 | Idukki | 21440 | 3.75 | 8.10 | 9026 | 7.86 | 3.41 | 234260 | 10.12 | 88.49 | 264726 |
| 7 | Eranakulam | 54035 | 9.45 | 23.77 | 13918 | 12.12 | 6.12 | 159419 | 6.89 | 70.11 | 227372 |
| 8 | Thrissur | 47657 | 8.83 | 24.01 | 8722 | 7.59 | 4.39 | 142137 | 6.14 | 71.60 | 198516 |
| 9 | Palakkad | 151267 | 26.46 | 49.68 | 15625 | 13.60 | 5.13 | 137615 | 5.94 | 45.19 | 304507 |
| 10 | Malappuram | 38899 | 6.80 | 14.71 | 12924 | 11.25 | 4.89 | 212621 | 9.18 | 80.40 | 264444 |
| 11 | Kozhikode | 15914 | 2.78 | 6.85 | 5638 | 4.91 | 2.43 | 210755 | 9.10 | 90.72 | 232307 |
| 12 | Wayanad | 28163 | 4.93 | 13.47 | 8497 | 7.40 | 4.06 | 172401 | 7.45 | 82.46 | 209061 |
| 13 | Kannur | 20214 | 3.54 | 7.48 | 6771 | 5.90 | 2.51 | 243264 | 10.51 | 90.01 | 270249 |
| 14 | Kasaragod | 11801 | 2.06 | 7.94 | 3434 | 2.99 | 2.31 | 133300 | 5.76 | 89.74 | 145835 |
| | STATE | 571745 | 100 | 19.05 | 114858 | 100 | 3.83 | 2315101 | 100 | 77.12 | 3001704 |

From the above tables it can be seen that out of the total cropped area of 2916505 hectares during 1998-99, 20% of area is under seasonal crops, 3.56% under Annual Crops and 76.44% of area is under perennial crops and during 1999-2000, out of 3001704 hectares of total cropped area 19.05% is under seasonal crops, 3.83% is under annual crops and 77.12% is under perennial crops respectively. A larger area under seasonal and Annual Crops during 1998-99 and 1999-2000 is in Palakkad district and lesser in Kasaragod district respectively. Area under perennial crops during the same period is more in Kannur district.

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 crops classified into food and non-food crops are given in the following table.

3.2A District wise Distribution of Area under Food Crops 1998-99 (In hectares)

| Sl. No | Name of District | Area under food crops 1998-99 | | | | | | | |
|--------|--------------------|-------------------------------|-----------------------------------|-----------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------|-----------------------------------|
| | | Food grains | % to Cropped Area of the District | Fruits and Vegetables | % to Cropped Area of the District | Sugar crops spices and condiments | % to Cropped Area of the District | Total Food Crops | % to Cropped Area of the District |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | Thiruvananthapuram | 10757 | 5.46 | 55423 | 28.11 | 8477 | 4.30 | 74657 | 37.87 |
| 2 | Kollam | 18300 | 8.62 | 64346 | 30.30 | 12916 | 6.08 | 95562 | 45.00 |
| 3 | Pathanamthitta | 7507 | 6.86 | 20479 | 18.70 | 6822 | 6.23 | 34808 | 31.79 |
| 4 | Allapuzha | 35257 | 26.03 | 28423 | 20.99 | 5151 | 3.80 | 68831 | 50.83 |
| 5 | Kottayam | 15490 | 7.15 | 26011 | 12.00 | 10938 | 5.05 | 52439 | 24.19 |
| 6 | Idukki | 4498 | 1.82 | 28630 | 11.57 | 92304 | 37.29 | 125432 | 50.67 |
| 7 | Eranakulam | 52277 | 23.50 | 31707 | 14.25 | 13924 | 6.26 | 97908 | 44.01 |
| 8 | Thrissur | 39858 | 21.38 | 30226 | 16.21 | 13910 | 7.46 | 83994 | 45.06 |
| 9 | Palakkad | 115626 | 37.29 | 52662 | 16.99 | 25359 | 8.18 | 193647 | 62.46 |
| 10 | Malappuram | 24329 | 9.88 | 55523 | 22.54 | 25878 | 10.51 | 105730 | 42.92 |
| 11 | Kozhikode | 7431 | 3.27 | 43276 | 19.02 | 23713 | 10.42 | 74420 | 32.70 |
| 12 | Wayanad | 16092 | 8.25 | 29087 | 14.91 | 55449 | 28.43 | 100628 | 51.59 |
| 13 | Kannur | 15096 | 5.57 | 73928 | 27.28 | 38354 | 14.15 | 127378 | 47.01 |
| 14 | Kasaragod | 8374 | 6.03 | 33369 | 24.03 | 18121 | 13.05 | 59864 | 43.10 |
| | STATE | 370892 | 12.72 | 573090 | 19.65 | 351316 | 12.05 | 1295298 | 44.41 |

3.2B District wise Distribution of Area under Food Crops 1999-2000 (in hectares)

| Sl. No | Name of District | Area under food crops 1999-2000 | | | | | | | |
|--------|--------------------|---------------------------------|-----------------------------------|-----------------------|-----------------------------------|-------------------------------|-----------------------------------|------------------|-----------------------------------|
| | | Food grains | % to Cropped Area of the District | Fruits and Vegetables | % to Cropped Area of the District | Sugar crops spices condiments | % to Cropped Area of the District | Total Food Crops | % to Cropped Area of the District |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | Thiruvananthapuram | 9019 | 4.57 | 56609 | 28.66 | 8556 | 4.33 | 74184 | 37.56 |
| 2 | Kollam | 18061 | 8.49 | 59444 | 27.96 | 14072 | 6.62 | 91577 | 43.07 |
| 3 | Pathanamthitta | 6757 | 6.02 | 22680 | 20.20 | 7461 | 6.64 | 36898 | 32.86 |
| 4 | Allapuzha | 35445 | 25.51 | 29039 | 20.90 | 5225 | 3.76 | 69709 | 50.17 |
| 5 | Kottayam | 16750 | 7.59 | 28304 | 12.83 | 11730 | 5.32 | 56784 | 25.73 |
| 6 | Idukki | 4438 | 1.68 | 31386 | 11.86 | 100168 | 37.8 | 135992 | 51.37 |
| 7 | Eranakulam | 44915 | 19.75 | 35484 | 15.61 | 15864 | 6.98 | 96263 | 42.34 |
| 8 | Thrissur | 43419 | 21.87 | 32034 | 16.14 | 14688 | 7.40 | 90141 | 45.41 |
| 9 | Palakkad | 116667 | 38.31 | 51397 | 16.88 | 25962 | 8.53 | 194026 | 63.72 |
| 10 | Malappuram | 23894 | 9.04 | 61679 | 23.32 | 28739 | 10.87 | 114312 | 43.23 |
| 11 | Kozhikode | 7053 | 3.04 | 45152 | 19.44 | 24871 | 10.71 | 77076 | 33.18 |
| 12 | Wayanad | 17748 | 8.49 | 34927 | 16.71 | 60133 | 28.76 | 112808 | 53.96 |
| 13 | Kannur | 13048 | 4.83 | 72164 | 26.70 | 38424 | 14.22 | 123636 | 45.75 |
| 14 | Kasaragod | 8775 | 5.91 | 32778 | 22.07 | 21041 | 14.17 | 62594 | 42.14 |
| | STATE | 365989 | 12.19 | 593077 | 19.79 | 376934 | 12.56 | 1336000 | 44.51 |

As per the above tables food grains cultivation is mainly concentrated in the districts of Palakkad, Alappuzha, Eranakulam and Thrissur. Cultivation of sugar crops, spices and condiments is mostly concentrated in Idukki and Wayanad districts. Totally more area is used for cultivation of food crops in the district Palakkad followed by Wayanad district when compared with the total cropped area of the district i.e., 62.46% and 63.72% of the gross cropped area of district is covered for cultivation of food crops in Palakkad district during 1998-99 and 1999-2000 respectively.

4.0 Irrigation

Irrigation and weather condition are the two factors that affect Agriculture. Kerala is blessed with 41 west flowing and 3 east flowing rivers which provides vast potential for irrigation. It is estimated that - 4.45 lakhs hectares (net) and 7.25 lakh hectares (gross) of area is brought under irrigation through major and minor projects during 1998-99. According to EARAS estimates 3.75 lakh (Net) hectares and 4.21 lakhs (Gross) hectares have been brought under irrigation during 1998-99.

Land and Water are the most important basic resources required for a vibrant agriculture. In Kerala, land is a scarce resource while in respect of water it is richly endowed. Being located in an intensive rainfall region, for the life style of the people, cropping pattern, intensity of cropping and livestock reared, etc. the demand for water is very high. Among various uses highest priority is for drinking water followed by irrigation. The strategy adopted for the development of water resources and its management during the IX plan period aims at conservation of natural resources including rain water through appropriate intervention and ensuring its optimal utilisation. Against 8 projects targeted for time bound completion, only 4 projects namely Chimmoni-Mupli, Kanakkankadavu, Kanhirappuzha and Paazhassi could be completed so far. The remaining 4 - Karappuzha, Kallada, Muvattupuzha and Idamalayar are to be carried forward to X five year plan.

The details of area irrigated under various sources are furnished in the table below.

4.1 Source wise Area under Irrigation

| Sl. No | Source of Irrigation | Area Irrigated | | | |
|--------|---------------------------|-----------------|------------|-----------------|------------|
| | | 1998-99 | | 1999-2000 | |
| | | Total (Hectare) | % to Total | Total (Hectare) | % to Total |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Government Canals | 94643 | 25.27 | 81231 | 21.37 |
| 2 | Private Canals | 2482 | 0.66 | 4803 | 1.26 |
| 3 | Government Tanks & Wells | 1392 | 0.37 | 3179 | 0.84 |
| 4 | Private Tanks & Wells | 153353 | 40.95 | 171358 | 45.09 |
| 5 | Minor and Lift Irrigation | 11937 | 3.19 | 8805 | 2.32 |
| 6 | Other sources | 110702 | 29.56 | 110667 | 29.12 |
| | Total | | 100 | 380043 | 100 |

4.2 Whether and Crop Condition

The weather condition of Kerala is generally favourable for agriculture. It has the advantage of both South West and North East Monsoon. In contrast to the comfortable weather conditions, which Kerala was experiencing during the last nine years in succession, rainfall was only 2464mm during 2000 against the normal of 3107mms. The rainfall was not only deficient by about 1/5th of the normal but also there was a very skewed pattern of temporal distribution. For the first time during the last decade, the rainfall was below normal in both seasons. The onset of South West Monsoon was delayed by around two weeks and remained very scanty during the initial period. The rainfall was near or above normal only in two months during 2000. This has adversely affected the crop production prospects of the State. The Kharif Crop was delayed, which in turn has prolonged the subsequent seasons. As a consequence, the sowing of the second crop of paddy was delayed in the major producing districts like Palakkad and Thrissur.

PART - II

Table 2.1. Classification of Area according to utilization

| Sl. No. | Head of Classification | Area in Sq.Km. | | % to total | |
|---------|---|----------------|-----------|------------|-----------|
| | | 1998-99 | 1999-2000 | 1998-99 | 1999-2000 |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Total area according to village papers | 38855 | 38855 | 100 | 100 |
| 2 | Forest | 10815 | 10815 | 27.83 | 27.83 |
| 3 | Land put to non-agricultural uses | 3338 | 3544 | 8.60 | 9.12 |
| 4 | Barron and uncultivable land | 283 | 289 | 0.73 | 0.74 |
| 5 | Permanent pastures and other grazing land | 7 | 3 | 0.02 | 0.01 |
| 6 | Land under Miscellaneous tree crops | 202 | 185 | 0.52 | 0.48 |
| 7 | Cultivable waste | 627 | 583 | 1.61 | 1.50 |
| 8 | Current fallow | 680 | 722 | 1.75 | 1.86 |
| 9 | Fallow other than current fallow | 315 | 321 | 0.81 | 0.83 |
| 10 | Net area of sown | 22587 | 22394 | 58.13 | 57.63 |
| 11 | Area Sown more than once | 6578 | 7623 | 16.93 | 19.62 |
| 12 | Total cropped area | 29165 | 30017 | 75.06 | 77.25 |
| 13 | Total cultivated area | 23583 | 23436 | 60.69 | 60.32 |
| 14 | Total cultivable area | 24412 | 24204 | 62.83 | 62.29 |

Table 2.2 Area under Crops in Kerala 1998-99 and 1999-2000

| Sl. No | Class | | Name of Crop | Area in hectares | | % of variation |
|--------|-----------------------|----|---------------------------|------------------|-----------|----------------|
| | | | | 1998-99 | 1999-2000 | |
| 1 | Cereals and Millets | 1 | Paddy | 352631 | 349774 | -0.81 |
| | | 2 | Jowar | 2177 | 2529 | +16.17 |
| | | 3 | Ragi | 1157 | 870 | -24.81 |
| | | 4 | Other Cereals & Millets | 2300 | 1831 | -20.39 |
| | | 5 | Total cereals and Millets | 358265 | 355004 | -0.91 |
| 2 | Pulses including Tur | 6 | Pulses | 12627 | 10985 | -13.00 |
| 3 | Sugar Crops | 7 | Sugarcane | 6160 | 5780 | -6.17 |
| | | 8 | Palmyrah | 6581 | 6272 | -4.70 |
| | | 9 | Total Sugar Crops | 12741 | 12052 | -5.41 |
| 4 | Spices and Contiments | 10 | Pepper | 182384 | 198406 | +8.78 |
| | | 11 | Chillies | 297 | 312 | +5.05 |
| | | 12 | Ginger | 11107 | 11264 | +1.41 |
| | | 13 | Turmeric | 3706 | 3971 | +7.15 |
| | | 14 | Cardamom | 41449 | 41491 | +0.10 |
| | | 15 | Arecanut | 73639 | 81941 | +11.27 |
| | | 16 | Tamarind | 18305 | 18922 | +3.37 |
| | | 17 | Cloves | 874 | 926 | +5.95 |
| | | 18 | Nutmeg | 5811 | 6520 | +12.20 |
| | | 19 | Cinnamon | 261 | 280 | +7.28 |
| | | 20 | Garlic | 742 | 849 | +14.42 |
| | | 21 | Total Spices & condiments | 338575 | 364882 | +7.77 |
| 5 | Fresh Fruits | 22 | Jack | 85885 | 93244 | +8.57 |
| | | 23 | Mango | 87317 | 90470 | +3.61 |
| | | 24 | Banana | 30521 | 39046 | +27.93 |
| | | 25 | Plantain | 50947 | 53252 | +4.52 |
| | | 26 | Pineapple | 8963 | 9484 | +5.81 |
| | | 27 | Pappaya | 12526 | 13190 | +5.30 |
| | | 28 | Other Fresh fruits | 12858 | 12597 | -2.03 |

| Sl. No | Class | | Name of Crop | Area in hectares | | % of variation |
|--------|----------------------------|----|---------------------------------|------------------|---------|----------------|
| 6 | Dry fruits | 29 | Total dry fruits | 289017 | 311283 | +7.70 |
| 7 | Vegetables | 30 | Cashew | 91268 | 89403 | -2.04 |
| | | 31 | Total fruits | 380285 | 400686 | +5.36 |
| | | 32 | Drumstick | 19622 | 19246 | -1.92 |
| | | 33 | Tubers | 28768 | 29992 | +4.25 |
| | | 34 | Sweet Potato | 1099 | 989 | -10.01 |
| | | 35 | Tapioca | 112774 | 111922 | -0.76 |
| | | 36 | Bitter guard | 1969 | 2132 | +8.28 |
| | | 37 | Snake guard | 1081 | 889 | -17.76 |
| | | 38 | Ladies finger | 983 | 847 | -13.84 |
| | | 39 | Brinjal | 676 | 476 | -29.59 |
| | | 40 | Amaranths | 1525 | 1406 | -7.80 |
| | | 41 | Other Vegetables | 18372 | 19524 | +6.27 |
| | | 42 | Thuvara | 4978 | 3900 | -21.66 |
| | | 43 | Muthira | 958 | 1068 | +11.48 |
| | | 44 | Total Vegetables | 192805 | 192391 | -0.21 |
| 8 | Oil seeds | 45 | Groundnut | 7021 | 6921 | -1.42 |
| | | 46 | Sesamum | 3303 | 2612 | -20.92 |
| | | 47 | Coconut | 882288 | 925035 | +4.85 |
| | | 48 | Others | 1751 | 1866 | +6.57 |
| | | 49 | Total Oil Seeds | 894363 | 936434 | +4.70 |
| 9 | Fiber, drugs and Narcotics | 50 | Cotton | 10999 | 4772 | -56.61 |
| | | 51 | Betal leaves | 881 | 1024 | +16.23 |
| | | 52 | Tobacco | 41 | 44 | +7.32 |
| | | 53 | Lemongrass | 1538 | 1601 | +4.10 |
| | | 54 | Total fiber drugs and narcotics | 13459 | 7441 | -44.71 |
| 10 | Plantation Crops | 55 | Tea | 34690 | 34793 | +0.30 |
| | | 56 | Coffee | 83699 | 84139 | +0.53 |
| | | 57 | Rubber | 469924 | 472900 | +0.63 |
| | | 58 | Cocoa | 8909 | 8629 | -3.14 |
| | | 59 | Total Plantation crops | 597222 | 600461 | +0.54 |
| | | 60 | Fodder grass | 2578 | 2788 | +8.15 |
| | | 61 | Green manure crops | 15670 | 15741 | +0.45 |
| | | 62 | Other non food crops | 97882 | 102806 | +5.03 |
| | | 63 | Kacholam | 33 | 33 | 0 |
| | | 64 | Total Cropped area | 2916505 | 3001704 | +2.92 |

2.3 Production of Important Crops 1998-99 and 1999-2000

| Sl.No. | Name of Crop | Unit | Quantity Produced | | % of variation |
|--------|--------------------|--------------------|-------------------|-----------|----------------|
| | | | 1998-99 | 1999-2000 | |
| 1 | Paddy | Tonnes | 726743 | 770686 | +6.05 |
| 2 | Jowar | " | 1108 | 1287 | +16.16 |
| 3 | Ragi | " | 936 | 704 | -24.79 |
| 4 | Other Cereals | " | 1788 | 1423 | -20.41 |
| 5 | Sugarcane | " | 47216 | 57882 | +22.59 |
| 6 | Black Pepper | " | 68510 | 47543 | -30.60 |
| 7 | Dry Chillies | " | 288 | 310 | +7.64 |
| 8 | Pulses | " | 9822 | 8571 | -12.74 |
| 9 | Cured Ginger | " | 39362 | 41344 | +5.04 |
| 10 | Curd Turmeric | " | 8034 | 8362 | +4.08 |
| 11 | Groundnut | " | 5219 | 5144 | -1.44 |
| 12 | Aarecanut | " | 68479 | 83337 | +21.70 |
| 13 | Tamarind | " | 28939 | 29564 | +2.16 |
| 14 | Mango | " | 253281 | 257761 | +1.77 |
| 15 | Jack | In million numbers | 325 | 335 | +3.08 |
| 16 | Banana | Tonnes | 386588 | 398145 | +2.99 |
| 17 | Other Plantain | " | 397986 | 410566 | +3.16 |
| 18 | Pineapple | " | 73707 | 68258 | -7.39 |
| 19 | Tapioca | " | 2630155 | 2531752 | -3.74 |
| 20 | Sweet Potato | " | 11924 | 10698 | -10.28 |
| 21 | Pappaya | " | 56205 | 59324 | +5.55 |
| 22 | Drumstick | " | 20934 | 20725 | -0.99 |
| 23 | Sesamum | " | 1057 | 718 | -32.07 |
| 24 | Coconut | In million nuts | 5132 | 5680 | +10.68 |
| 25 | Cotton | Bale of 170 Km. | 17732 | 7702 | -56.56 |
| 26 | Nutmeg | Tonnes | 1446 | 1625 | +12.38 |
| 27 | Tobacco | " | 228 | 245 | +7.46 |
| 28 | Lemongrass | " | 87 | 93 | +6.90 |
| 29 | Tea | " | 58726 | 61955 | +5.50 |
| 30 | Coffee | " | 49886 | 60470 | +21.22 |
| 31 | Rubber | " | 559099 | 572820 | +2.45 |
| 32 | Cocoa | " | 3686 | 3744 | +1.57 |
| 33 | Processed Cardamom | " | 4990 | 6585 | +31.96 |
| 34 | Raw Cashew nuts | " | 51336 | 65547 | +27.68 |
| 35 | Betal leaves | " | 155600 | 183656 | +18.03 |
| 36 | Clove (dry) | " | 57 | 63 | +10.53 |
| 37 | Garlic | " | 12614 | 14433 | +14.42 |

2.4 Average Farm Prices of important Agricultural Commodities

| Slo. No | Commodity | Unit | Average Farm Price | | % of change |
|---------|--------------|---------|--------------------|-----------|-------------|
| | | | 1998-99 | 1999-2000 | |
| 1 | Paddy | Qtl. | 626.64 | 684.43 | +19.22 |
| 2 | Coconut | 100Nos. | 452.80 | 476.12 | +5.15 |
| 3 | Aarecanut | 100Nos. | 64.78 | 75.25 | +16.62 |
| 4 | Tapioca | Qtl. | 312.89 | 368.09 | +17.64 |
| 5 | Cashew nut | Qtl. | 3537.58 | 3638.50 | +2.85 |
| 6 | Banana | 100Nos. | 167.09 | 882.17* | |
| 7 | Black Pepper | Qtl. | 18090.21 | 20506.16 | +13.36 |
| 8 | Ginger | Qtl. | 5624.94 | 6393.68 | +13.67 |
| 9 | Sugarcane | MT | 552.52 | 662.38 | +19.88 |

*Average Farm Price of Banana for Qtl.

Table 2.5 Crop Calendar – Kerala

**Period of Sowing, Harvesting and Probable Period of Marketing Principal Crops
In Kerala**

| Sl. No | Name of Crop as per Season | Sowing Period | Harvesting Period | Probable Period of Marketing |
|--------|----------------------------|----------------------|-----------------------|------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 01 | Kharif Rice (Aut) | April (B) – July (E) | Aug (B) – Sept (E) | Sept (B) – Nov (E) |
| 02 | Kharif Rice (Wint) | Aug (B) – Nov (E) | Nov (B) – Jan (E) | Dec (B) – Mar (E) |
| 03 | Summer Rice | Nov (B) – Feb (E) | Mar (B) – June (E) | Mar (B) – June (E) |
| 04 | Kharif Cotton | April (B) – May (E) | Dec (B) – Jan (E) | Feb (B) – Mar (E) |
| 05 | Kharif Sugarcane | Nov (B) – Mar (E) | Dec (B) – Feb (E) | Jan (B) – Feb (E) |
| 06 | Summer Sugarcane | June (B) – Oct (E) | Oct (B) – Jan (E) | Jan (B) – Jan (E) |
| 07 | Early Kharif small millets | April (B) – July (E) | Sept (B) – Nov (E) | Dec (B) – Jan (E) |
| 08 | Summer Small millets | Jan (B) – Feb (E) | April (B) – April (E) | April (B) – April (E) |
| 09 | Summer black gram | April (B) – May (E) | July (B) – Aug (E) | Dec (B) – Jan (E) |
| 10 | Early Kharif Green gram | June (B) – Aug (E) | Aug (B) – Dec (E) | Sept (B) – Dec (E) |
| 11 | Kharif horsegram | Sept (B) – Nov (E) | Nov (B) – Jan (E) | Nov (B) – Feb (E) |
| 12 | Summer horsegram – wetland | Dec (B) – Feb (E) | April (B) – April (E) | April (B) – April (E) |
| 13 | Early Kharif Ginger | Mar (B) – July (E) | Nov (B) – Feb (E) | Dec (B) – Feb (E) |
| 14 | Kharif Ginger | Mar (B) – June (E) | Dec (B) – Feb (E) | Dec (B) – Mar (E) |
| 15 | Kharif sesamum | Aug (B) – Oct (E) | Dec (B) – April (E) | Dec (B) – Feb (E) |
| 16 | Summer sesamum | Dec (B) – Feb (E) | Mar (B) – May (E) | Mar (B) – May (E) |
| 17 | Early Kharif sweet potato | April (B) – July (E) | Sept (B) – Nov (E) | Nov (B) – Feb (E) |
| 18 | Kharif sweet potato | Oct (B) – Nov (E) | Dec (B) – Feb (E) | Feb (B) – Mar (E) |
| 19 | Summer sweet potato | Dec (B) – March (E) | Mar (B) – June (E) | April (B) – June (E) |
| 20 | Early Kharif Banana | Aug (B) – Sept (E) | July (B) – Aug (E) | July (B) – Aug (E) |
| 21 | Kharif Banana | Dec (B) – Jan (E) | Nov (B) – Jan (E) | Dec (B) – Jan (E) |
| 22 | Kharif Tobacco | Nov (B) – Dec (E) | Mar (B) – April (E) | May (B) – June (E) - |
| 23 | Early Kharif tubers | July (B) – Aug (E) | April (B) – May (E) | - |
| 24 | Kharif Tubers | Mar (B) – April (E) | Nov (B) – Jan (E) | Dec (B) |
| 25 | Early Kharif Tapioca (A) | July (B) – Oct (E) | July (B) – Aug (E) | July (B) – Sept (E) |
| 26 | Kharif Tapioca (dry land) | Mar (B) – May (E) | Nov (B) – Mar (E) | Dec (B) – Feb (E) |
| 27 | Summer Tapioca | July (B) – Aug (E) | April (B) – May (E) | - |
| 28 | Kharif Pepper | June (B) – Aug (E) | Nov (B) – Feb (E) | Nov (B) – Mar (E) |
| 29 | Groundnut | April (B) – June (E) | Sept (B) – Dec (E) | - |
| 30 | Carrot | April (B) – May (E) | Sept (B) – Oct (E) | - |
| 31 | Garlic | April (B) – May (E) | Aug (B) – Sept (E) | - |
| 32 | Wheat | April (B) – May (E) | Oct (B) – Nov (E) | - |
| 33 | Potato | April (B) – May (E) | Oct (B) – Nov (E) | - |
| 34 | Turmeric | Mar (B) – May (E) | Jan (B) – Mar (E) | - |

(B) – Beginning of the month. (E) – End of the month

Table 3.0 District wise Actual and Normal Rainfall (in mm) with percentage departure from Normal Rainfall for 1999 and 2000

| Sl. No | Name of District | Normal Rainfall | Actual Rainfall (mm) | | Percentage Departure | |
|--------|--------------------|-----------------|----------------------|--------|----------------------|------|
| | | | 1999 | 2000 | 1999 | 2000 |
| 1 | Thiruvananthapuram | 2203.8 | 1925.3 | 1502.5 | -13 | -32 |
| 2 | Kollam | 2555.1 | 2885.1 | 2352.0 | +13 | -8 |
| 3 | Pathanamthitta | 3133.8 | 3379.9 | 2682.8 | +8 | -14 |
| 4 | Allappuzha | 2965.4 | 3106.7 | 2638.3 | +5 | -11 |
| 5 | Kottayam | 3130.3 | 2957.1 | 2411.4 | -6 | -23 |
| 6 | Idukki | 3079.4 | 3832.5 | 3225.0 | 13 | -5 |
| 7 | Eranakulam | 3274.3 | 3051.4 | 2657.3 | -7 | -19 |
| 8 | Thrissur | 3262.0 | 2764.9 | 2072.3 | -15 | -36 |
| 9 | Palakkad | 2389.8 | 2120.9 | 1831.3 | -11 | -23 |
| 10 | Malappuram | 2906.1 | 2851.3 | 2191.5 | -2 | -25 |
| 11 | Kozhikode | 3667.9 | 2817.7 | 2529.1 | -23 | -31 |
| 12 | Wayanad | 3590.8 | 2231.5 | 2343.7 | -38 | -35 |
| 13 | Kannur | 3465.0 | 3038.1 | 2917.3 | -12 | -16 |
| 14 | Kasaragod | 3581.3 | 3233.6 | 3152.2 | -10 | -12 |
| | STATE | 3107.5 | 2871.1 | 2464.8 | -8 | -21 |

Table 3.1 District wise monthly Rainfall in mm for 1999 in Kerala

| Sl. No | Name of District | January | February | March | April | May | June | July | August | September | October | November | December |
|--------|--------------------|---------|----------|-------|--------|--------|--------|--------|--------|-----------|---------|----------|----------|
| 1 | Thiruvananthapuram | 12.9 | 65.5 | 16.4 | 148.7 | 376.0 | 410.9 | 166.0 | 91.6 | 36.8 | 485.5 | 99.8 | 15.2 |
| 2 | Kollam | 1.7 | 61.6 | 17.2 | 245.7 | 487.5 | 485.0 | 333.3 | 138.0 | 72.9 | 926.8 | 112.2 | 3.2 |
| 3 | Pathanamthitta | 4.8 | 55.4 | 52.9 | 255.5 | 540.1 | 801.8 | 548.9 | 195.4 | 106.6 | 694.1 | 124.6 | 3.3 |
| 4 | Allappuzha | 6.9 | 13.3 | 62.4 | 261.5 | 533.1 | 673.4 | 432.8 | 228.3 | 117.4 | 651.8 | 117.6 | 10.3 |
| 5 | Kottayam | - | 5.7 | 50.3 | 183.0 | 532.0 | 620.6 | 503.0 | 233.4 | 105.3 | 615.9 | 92.2 | 8.8 |
| 6 | Idukki | - | 49.1 | 23.5 | 160.4 | 602.4 | 590.1 | 927.7 | 361.1 | 195.3 | 818.7 | 100.7 | 3.5 |
| 7 | Eranakulam | - | 18.1 | 20.7 | 125.8 | 605.9 | 648.5 | 645.4 | 170.6 | 81.9 | 643.0 | 76.0 | 15.5 |
| 8 | Thrissur | - | 15.6 | 6.4 | 80.7 | 430.7 | 571.8 | 838.9 | 210.6 | 47.5 | 498.8 | 39.9 | - |
| 9 | Palakkad | - | 17.2 | 2.1 | 40.4 | 283.7 | 437.1 | 619.1 | 169.8 | 44.5 | 445.9 | 59.5 | 1.6 |
| 10 | Malappuram | - | 22.4 | 30.8 | 97.0 | 451.0 | 694.0 | 735.6 | 251.1 | 54.0 | 465.7 | 47.2 | 2.5 |
| 11 | Kozhikode | - | 1.0 | 18.3 | 68.0 | 540.6 | 735.5 | 738.5 | 321.4 | 48.5 | 318.1 | 23.0 | 4.8 |
| 12 | Wayanad | - | 10.0 | 14.3 | 53.0 | 263.6 | 336.1 | 757.7 | 302.0 | 64.3 | 392.3 | 38.0 | 0.2 |
| 13 | Kannur | - | - | - | 11.8 | 431.4 | 754.4 | 972.4 | 414.9 | 66.0 | 348.9 | 38.3 | - |
| 14 | Kasaragod | - | - | 0.6 | 7.7 | 487.6 | 836.2 | 977.9 | 416.4 | 154.8 | 322.8 | 28.9 | 0.7 |
| | STATE | 27.6 | 334.9 | 309.9 | 1739.2 | 6595.6 | 8595.4 | 9197.2 | 3504.6 | 1195.8 | 7628.3 | 997.3 | 69.6 |

Table 3.2 District wise monthly Rainfall in mm for 2000 in Kerala

| Sl No | Name of District | January | February | March | April | May | June | July | August | September | October | November | December |
|-------|--------------------|---------|----------|-------|--------|--------|--------|--------|--------|-----------|---------|----------|----------|
| 1 | Thiruvananthapuram | 9.2 | 69.3 | 37.8 | 135.1 | 11.2 | 271.1 | 89.0 | 352.1 | 139.1 | 189.4 | 131.3 | 67.9 |
| 2 | Kollam | 2.1 | 140.9 | 37.7 | 128.7 | 88.0 | 473.2 | 131.5 | 557.2 | 266.8 | 220.1 | 180.7 | 125.1 |
| 3 | Pathanamthitta | 16.5 | 235.5 | 75.7 | 167.4 | 125.4 | 594.7 | 231.6 | 562.8 | 297.0 | 195.6 | 93.1 | 87.5 |
| 4 | Allappuzha | 24.0 | 187.0 | 60.2 | 112.0 | 147.8 | 621.0 | 219.5 | 599.3 | 277.4 | 215.2 | 116.2 | 58.7 |
| 5 | Kottayam | 14.0 | 73.0 | 68.4 | 90.9 | 124.2 | 595.6 | 264.7 | 631.1 | 260.7 | 171.1 | 87.2 | 30.5 |
| 6 | Idukki | 9.2 | 95.5 | 7.6 | 115.5 | 189.8 | 898.9 | 407.1 | 1011.1 | 223.2 | 170.1 | 56.2 | 40.8 |
| 7 | Eranakulam | 18.2 | 77.7 | 22.5 | 86.2 | 159.2 | 667.8 | 365.3 | 699.1 | 202.2 | 222.9 | 86.5 | 49.7 |
| 8 | Thrissur | - | 15.8 | 2.2 | 65.8 | 98.2 | 589.5 | 333.6 | 565.7 | 131.9 | 203.2 | 41.3 | 25.6 |
| 9 | Palakkad | 0.1 | 29.3 | 2.5 | 85.3 | 43.1 | 508.2 | 290.6 | 464.3 | 160.1 | 130.7 | 82.7 | 34.4 |
| 10 | Malappuram | 13.2 | 4.1 | 0.7 | 76.0 | 81.3 | 591.9 | 319.3 | 442.6 | 247.9 | 275.3 | 58.8 | 80.4 |
| 11 | Kozhikode | 10.7 | 0.5 | - | 77.7 | 143.0 | 790.4 | 454.3 | 452.1 | 126.2 | 270.1 | 103.8 | 100.3 |
| 12 | Wayanad | 13.6 | 13.6 | 0.3 | 118.1 | 58.4 | 607.9 | 378.1 | 626.0 | 249.9 | 122.4 | 43.3 | 112.1 |
| 13 | Kannur | 37.5 | 1.3 | 6.0 | 86.5 | 207.2 | 822.3 | 542.8 | 604.9 | 126.8 | 338.1 | 23.8 | 120.1 |
| 14 | Kasaragod | 30.9 | - | - | 38.1 | 339.9 | 1056.5 | 675.4 | 553.0 | 74.2 | 306.3 | 28.1 | 49.8 |
| | STATE | 199.2 | 943.5 | 321.6 | 1383.3 | 1816.7 | 9089.0 | 4702.8 | 8121.3 | 2783.4 | 3030.5 | 1133.0 | 982.9 |

Table 3.3 Classification of area under land utilization

| Sl.No | District | Total Geogra- phical area | Forest | and put to on agricul- tural use | arren & ncultivable | ernment and gazing | and Tree | Cultivable waste | allow other han current | Current fallow | Net area sown | rea sown more than | (Area in hectares) | | Remarks |
|-------|--------------------|------------------------------|---------|--|---------------------------|--------------------------|-------------|---------------------|----------------------------------|----------------|---------------|-----------------------------|--------------------|----|---------|
| | | | | | | | | | | | | | 13 | 14 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
| 1 | Thiruvananthapuram | 218600 | 49861 | 20492 | 433 | 8 | 60 | 326 | 472 | 741 | 146207 | 50931 | 197138 | | |
| 2 | Kollam | 251838 | 81438 | 21060 | 277 | 8 | 241 | 652 | 957 | 2754 | 144451 | 67927 | 212378 | | |
| 3 | Pathanamthitta | 268750 | 155214 | 14838 | 429 | 10 | 80 | 193 | 321 | 3591 | 94074 | 15424 | 109498 | | |
| 4 | Allappuzha | 136058 | - | 22606 | 179 | 1 | 169 | 3477 | 2426 | 5074 | 102126 | 33296 | 135422 | | |
| 5 | Kottayam | 219550 | 8141 | 23077 | 1376 | 2 | 129 | 1874 | 2625 | 4924 | 177402 | 39382 | 216784 | | |
| 6 | Idukki | 514962 | 260907 | 14671 | 4251 | 257 | 6198 | 7799 | 461 | 1828 | 218590 | 28940 | 247530 | | |
| 7 | Eranakulam | 235319 | 8123 | 34510 | 905 | 26 | 424 | 3506 | 3726 | 4527 | 179572 | 42887 | 222459 | | |
| 8 | Thrissur | 299390 | 103619 | 27377 | 296 | 46 | 622 | 2807 | 3209 | 7450 | 153964 | 32448 | 186412 | | |
| 9 | Palakkad | 438980 | 136257 | 43704 | 3037 | 72 | 3660 | 13602 | 9326 | 10986 | 218336 | 91701 | 310037 | | |
| 10 | Malappuram | 363230 | 103417 | 31613 | 2541 | 14 | 1192 | 5672 | 2427 | 12357 | 203997 | 42333 | 246330 | | |
| 11 | Kozhikode | 233330 | 41386 | 22465 | 1344 | 24 | 678 | 709 | 680 | 2557 | 163517 | 64053 | 277570 | | |
| 12 | Wayanad | 212560 | 78787 | 10600 | 356 | 67 | 1033 | 1872 | 1136 | 2564 | 116145 | 78925 | 195070 | | |
| 13 | Kannur | 296797 | 48734 | 28553 | 3798 | 83 | 1990 | 5335 | 1449 | 3175 | 203680 | 67307 | 270987 | | |
| 14 | Kasaragod | 196133 | 5625 | 18256 | 9119 | 64 | 3724 | 14886 | 2352 | 5494 | 136613 | 2277 | 138890 | | |
| | STATE | 3885497 | 1081509 | 333822 | 28341 | 682 | 20200 | 62710 | 31537 | 68022 | 2258674 | 657831 | 2916505 | | |

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

Table 3.4 Classification of area under land utilization

| Sl.No | District | Total Geogra- -phical area | Forest | Land put to non agricul-tural use | arren & ncultivable and | ermanent astures and ther grazing and | Land under misc. Tree crops | Cultivable waste | allow other han current allow | Current fallow | Net area sown | Area sown more than once | Total cropped area | Remarks |
|-------|--------------------|-------------------------------|---------|--------------------------------------|-------------------------------|--|--------------------------------|------------------|-------------------------------------|----------------|---------------|-----------------------------|-----------------------|---------|
| | | | | | | | | | | | | | | |
| 1 | 2 | | | | | | | | | | | | | |
| 1 | Thiruvananthapuram | 218600 | 49861 | 22564 | 502 | 8 | 69 | 448 | 432 | 930 | 143786 | 53705 | 197491 | |
| 2 | Kollam | 251838 | 81438 | 21705 | 256 | 3 | 103 | 698 | 949 | 3384 | 143302 | 69309 | 212611 | |
| 3 | Pathanamthitta | 268750 | 155214 | 14986 | 446 | | 90 | 282 | 468 | 3547 | 93717 | 18564 | 112281 | |
| 4 | Allappuzha | 136058 | - | 22894 | 192 | | 175 | 2513 | 3796 | 5835 | 100653 | 38295 | 138948 | |
| 5 | Kottayam | 219550 | 8141 | 24840 | 1418 | | 131 | 1660 | 3194 | 5271 | 174895 | 45761 | 220656 | |
| 6 | Idukki | 514962 | 260907 | 14982 | 4136 | 155 | 5888 | 3132 | 1000 | 1762 | 223000 | 41726 | 264726 | |
| 7 | Eranakulam | 235319 | 8123 | 39855 | 1120 | 16 | 281 | 4594 | 3258 | 6752 | 171320 | 56052 | 227372 | |
| 8 | Thrissur | 299390 | 103619 | 32321 | 494 | 27 | 821 | 3087 | 3555 | 7936 | 147530 | 50986 | 198516 | |
| 9 | Palakkad | 438980 | 136257 | 43891 | 3402 | 1 | 1794 | 16622 | 6570 | 13267 | 217176 | 87331 | 304507 | |
| 10 | Malappuram | 363230 | 103417 | 32533 | 2932 | | 955 | 4596 | 3670 | 11368 | 203759 | 60685 | 264444 | |
| 11 | Kozhikode | 233330 | 41386 | 23436 | 1393 | 5 | 665 | 863 | 883 | 2111 | 162588 | 69719 | 232307 | |
| 12 | Wayanad | 212560 | 78787 | 11647 | 338 | 22 | 1046 | 1735 | 949 | 2743 | 115293 | 93768 | 209061 | |
| 13 | Kannur | 296797 | 48734 | 28978 | 3693 | 16 | 1929 | 4741 | 2095 | 4032 | 202579 | 67670 | 270249 | |
| 14 | Kasaragod | 196133 | 5625 | 19758 | 8562 | | 4568 | 13308 | 1319 | 3228 | 139765 | 8770 | 148535 | |
| | STATE | 3885497 | 1081509 | 354390 | 28884 | 253 | 18515 | 58279 | 32138 | 72166 | 2239363 | 762341 | 3001704 | |

Table 3.5 - Area under Crops 1998-99

| District | Paddy | | | Total | Jowar | Ragi | Other Cereals | Total Cereals/ Millets | Pulses including Tur | | | Total | Total Food grains |
|--------------------|--------|--------|--------|--------|-------|------|---------------|------------------------|----------------------|--------|--------|-------|-------------------|
| | Autumn | Winter | Summer | | | | | | Autumn | Winter | Summer | | |
| | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Thiruvananthapuram | 4798 | 4784 | 16 | 9598 | | | | 9598 | 30 | 22 | 1107 | 1159 | 10757 |
| 2 Kollam | 7549 | 10022 | | 17571 | | | | 17571 | 87 | 63 | 579 | 729 | 18300 |
| 3 Pathanamthitta | 1372 | 3165 | 2960 | 7497 | | | | 7497 | 6 | 4 | | 10 | 7507 |
| 4 Allappuzha | 8719 | 7348 | 19058 | 35125 | | | | 35125 | | 12 | 120 | 132 | 35257 |
| 5 Kottayam | 3277 | 7233 | 3883 | 14393 | | | | 14393 | 4 | 96 | 997 | 1097 | 15490 |
| 6 Idukki | 1065 | 2452 | 329 | 3846 | 2 | 42 | 133 | 4023 | 42 | 3 | 430 | 475 | 4498 |
| 7 Ernakulam | 16822 | 20462 | 12446 | 49730 | | | | 49730 | 59 | 34 | 2454 | 2547 | 52277 |
| 8 Thrissur | 100194 | 23000 | 6196 | 39215 | | | | 39215 | 316 | 229 | 98 | 643 | 39858 |
| 9 Palakkad | 5915 | 55730 | 5822 | 107467 | 2175 | 1115 | 2165 | 112922 | 219 | 261 | 2224 | 2704 | 115626 |
| 10 Malappuram | 6289 | 15647 | 1882 | 23818 | | | | 23818 | 102 | 2 | 407 | 511 | 24329 |
| 11 Kozhikode | 921 | 4969 | 953 | 6843 | | | | 6843 | 283 | 31 | 274 | 588 | 7431 |
| 12 Wayanad | | 12043 | 3599 | 15642 | | | | 15642 | 5 | 21 | 424 | 450 | 16092 |
| 13 Kannur | 8665 | 4918 | 295 | 13878 | | | | 13878 | 9 | 548 | 661 | 1218 | 15096 |
| 14 Kasaragod | 4806 | 2941 | 261 | 8008 | | | 2 | 8010 | 35 | 60 | 269 | 364 | 8374 |
| STATE | 120217 | 174714 | 57700 | 352631 | 2177 | 1157 | 2300 | 358265 | 1197 | 1386 | 10044 | 12627 | 370892 |

Table 3.5 (contd.)

| District | Sugar Crops | | | Species and condiments | | | | | | | | | | | | | Grand Total |
|----------------------|-------------|----------|-------|------------------------|----------|--------|----------|----------|-----------|----------|--------|--------|----------|--------|--------|--------|-------------|
| | Sugar cane | Palmyrah | Total | Pepper | Chillies | Ginger | Turmeric | Cardamom | Areca Nut | Tamarind | Cloves | Nutmeg | Cinnamon | Garlic | Total | | |
| 1 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
| 1 Thiruvananthapuram | 2 | 165 | 167 | 5800 | 3 | 80 | 70 | - | 827 | 1414 | 75 | 41 | - | - | 8310 | 8477 | |
| 2 Kollam | | 17 | 17 | 9256 | 6 | 442 | 160 | - | 1941 | 977 | 53 | 56 | 8 | - | 12899 | 12916 | |
| 3 Pathanamthitta | 227 | 40 | 267 | 3793 | 2 | 387 | 70 | 664 | 1146 | 212 | 88 | 180 | 13 | - | 6555 | 6822 | |
| 4 Alappuzha | 192 | 41 | 233 | 2028 | | 119 | 12 | | 2067 | 523 | 36 | 109 | 24 | - | 4918 | 5151 | |
| 5 Kottayam | 137 | 309 | 446 | 7727 | 8 | 159 | 183 | 129 | 1130 | 503 | 114 | 513 | 26 | - | 10492 | 10938 | |
| 6 Idukki | 2894 | 201 | 3095 | 49749 | - | 1561 | 626 | 32686 | 2899 | 304 | 185 | 423 | 34 | 742 | 89209 | 92304 | |
| 7 Ernakulam | 12 | 228 | 240 | 6039 | 10 | 442 | 436 | - | 3604 | 819 | 93 | 2220 | 21 | - | 13684 | 13924 | |
| 8 Thrissur | | 318 | 318 | 4369 | 18 | 92 | 87 | - | 5450 | 1845 | 70 | 1651 | 10 | - | 13592 | 13910 | |
| 9 Palakkad | 2653 | 3508 | 6161 | 4733 | 100 | 940 | 598 | 2928 | 3767 | 6014 | 12 | 65 | 41 | - | 19198 | 25359 | |
| 10 Malappuram | 6 | 1078 | 1084 | 7086 | - | 158 | 239 | 70 | 14190 | 2770 | 48 | 216 | 17 | - | 24794 | 25878 | |
| 11 Kozhikode | 15 | 333 | 348 | 11976 | - | 238 | 682 | 221 | 8970 | 1060 | 51 | 150 | 17 | - | 23365 | 23713 | |
| 12 Wayanad | | 153 | 153 | 40210 | - | 6129 | 197 | 4108 | 4456 | 167 | 7 | 11 | 11 | - | 55296 | 55449 | |
| 13 Kannur | 20 | 124 | 144 | 23419 | 12 | 314 | 307 | 128 | 12360 | 1449 | 29 | 153 | 39 | - | 38210 | 38354 | |
| 14 Kasaragod | 2 | 66 | 68 | 6199 | 138 | 46 | 39 | 515 | 10832 | 248 | 13 | 23 | - | - | 18053 | 18121 | |
| 15 STATE | 6160 | 6581 | 12741 | 182384 | 297 | 11107 | 3706 | 41449 | 73639 | 18305 | 874 | 5811 | 261 | 742 | 338575 | 351316 | |

| Districts | Fresh fruits | | | | | | | Dry fruits | | |
|-----------------------|--------------|-------|--------|----------------|-----------|---------|--------------------|------------|--------|--------------|
| | Jack | Mango | Banana | Other plantain | Pineapple | Pappaya | Other fresh fruits | Total | Cashew | Total fruits |
| 1 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 1. Thiruvananthapuram | 6198 | 6212 | 1389 | 5235 | 215 | 785 | 554 | 20588 | 2466 | 23054 |
| 2. Kollam | 7193 | 6867 | 1390 | 4301 | 224 | 815 | 464 | 21254 | 5180 | 23464 |
| 3. Pathanamthitta | 2425 | 1324 | 1213 | 1996 | 157 | 486 | 592 | 8193 | 1050 | 9243 |
| 4. Alappuzha | 3304 | 5813 | 324 | 3014 | 92 | 945 | 931 | 14423 | 4860 | 19283 |
| 5. Kottayam | 4107 | 2622 | 1813 | 4449 | 465 | 821 | 604 | 14881 | 619 | 15500 |
| 6. Idukki | 4704 | 2311 | 1771 | 3364 | 1109 | 802 | 738 | 14499 | 1143 | 15642 |
| 7. Ernakulam | 3764 | 4113 | 3026 | 4102 | 4929 | 1055 | 967 | 21956 | 1374 | 23330 |
| 8. Thrissur | 4445 | 6400 | 2475 | 4817 | 300 | 1044 | 1466 | 20947 | 4339 | 25286 |
| 9. Palakkad | 4812 | 7905 | 4612 | 4966 | 99 | 1006 | 1040 | 24440 | 5998 | 30438 |
| 10. Malappuram | 7969 | 9888 | 5083 | 3433 | 405 | 1696 | 1412 | 29886 | 9950 | 39836 |
| 11. Kozhikode | 10500 | 11308 | 1519 | 3056 | 354 | 1440 | 1334 | 29511 | 3471 | 32982 |
| 12. Wayanad | 10725 | 5423 | 3726 | 1716 | 51 | 328 | 741 | 22530 | 1385 | 23915 |
| 13. Kannur | 13468 | 14965 | 1453 | 4357 | 479 | 1195 | 1307 | 37224 | 27632 | 64856 |
| 14. Kasaragod | 2271 | 2346 | 727 | 2141 | 84 | 408 | 708 | 8685 | 21801 | 30486 |
| State | 85885 | 87317 | 30521 | 50947 | 8963 | 12526 | 12858 | 289017 | 91268 | 380285 |

Vegetables

| Districts | Drum-stick | Tuber s | Sweet potato | Tapioca | | | Total | Bitter gourd | Snack gourd | Ladies finger | Brinjal | Amaranth | Other vegetables | Thuv ara | Muthira | Total vegetables | Total food crops |
|-----------------------|------------|---------|--------------|---------|--------|--------|--------|--------------|-------------|---------------|---------|----------|------------------|----------|---------|------------------|------------------|
| | | | | Autumn | Winter | Summer | | | | | | | | | | | |
| 1 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 |
| 1. Thiruvananthapuram | 2457 | 2182 | 40 | 5771 | 8153 | 12707 | 26631 | 103 | 108 | 24 | 28 | 89 | 707 | | | 32369 | 74657 |
| 2. Kollam | 1619 | 6601 | | 2971 | 12838 | 12196 | 28005 | 67 | 26 | 293 | 204 | 678 | 419 | | | 37912 | 95562 |
| 3. Pathanamthitta | 623 | 3380 | | 829 | 4453 | 794 | 6076 | 98 | 90 | 26 | 104 | 23 | 816 | | | 11236 | 34808 |
| 4. Alappuzha | 932 | 1981 | 7 | 333 | 2398 | 2198 | 4929 | 153 | 94 | 24 | 29 | 262 | 729 | | | 9140 | 68831 |
| 5. Kottayam | 889 | 1268 | 2 | 602 | 3272 | 3056 | 6930 | 260 | 157 | 21 | 13 | 13 | 958 | | | 10511 | 52439 |
| 6. Idukki | 541 | 1549 | 22 | 429 | 3490 | 3108 | 7027 | 512 | 1 | 4 | 7 | 1 | 3317 | 7 | | 12988 | 125432 |
| 7. Ernakulam | 817 | 1100 | 4 | 1194 | 1282 | 2545 | 5021 | 142 | 89 | 51 | 24 | 83 | 1046 | | | 8377 | 97908 |
| 8. Thrissur | 1051 | 726 | | 526 | 317 | 966 | 1809 | 84 | 15 | 61 | 64 | 180 | 950 | | | 4940 | 83994 |
| 9. Palakkad | 1661 | 2696 | 649 | 1035 | 3329 | 2451 | 6815 | 227 | 473 | 391 | 168 | 47 | 3182 | 4971 | 944 | 22224 | 193647 |
| 10. Malappuram | 2669 | 1964 | 206 | 2525 | 1645 | 3873 | 8043 | 35 | 5 | 19 | 6 | 25 | 2715 | | | 15687 | 105730 |
| 11. Kozhikode | 3325 | 1909 | 26 | 1080 | 1466 | 1636 | 4182 | 13 | 3 | 5 | 1 | 18 | 812 | | | 10294 | 74420 |
| 12. Wayanad | 725 | 2092 | | 188 | 574 | 719 | 1481 | 85 | 2 | 4 | 6 | 3 | 774 | | | 5172 | 100628 |
| 13. Kannur | 1777 | 1106 | 27 | 494 | 2525 | 1714 | 4733 | 165 | 15 | 37 | 11 | 82 | 1106 | | 13 | 9072 | 127378 |
| 14. Kasaragod | 536 | 214 | 116 | 176 | 650 | 266 | 1092 | 25 | 3 | 23 | 11 | 21 | 841 | | 1 | 2883 | 59864 |
| State | 19622 | 28768 | 1099 | 18153 | 46392 | 48229 | 112774 | 1969 | 1081 | 983 | 676 | 1525 | 18372 | 4978 | 958 | 192805 | 1295298 |

Table 3.5 (contd.)

| District | Non food crops | | | | | | | | | | | TOTAL | | | | |
|-----------------------|----------------|---------|---------|--------|--------|---------------------------|------------|---------|--------|------------------|-------|-------|--------|--------|--------|---------|
| | Oil seeds | | | | Total | Fibre drugs and narcotics | | | | Plantation crops | | | | | | |
| | Groundnut | Sesamum | Coconut | Others | | Cotton | Betaleaves | Tobacco | Leaves | Total | Tea | | Coffee | Rubber | Cocoa | Total |
| 1 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 |
| 1. Thiruvananthapuram | 2 | | 91271 | 54 | 91327 | | 37 | | 2 | 39 | 965 | | 27472 | 134 | 28571 | 119937 |
| 2. Kollam | | 727 | 75614 | 9 | 76350 | | 58 | | | 58 | 1257 | | 36275 | 48 | 37580 | 113988 |
| 3. Pathanamthitta | | 16 | 21994 | 27 | 22037 | | 74 | | | 74 | 91 | | 47570 | 764 | 48425 | 70536 |
| 4. Alappuzha | | 1150 | 58621 | 151 | 59922 | | 36 | | | 36 | | | 3722 | 235 | 3957 | 63915 |
| 5. Kottayam | | 36 | 42571 | 21 | 42628 | | 9 | | | 9 | 1951 | 1800 | 110548 | 2492 | 116791 | 159428 |
| 6. Idakki | | 21 | 21444 | 41 | 21506 | | 2 | | 1116 | 1118 | 23419 | 10064 | 38012 | 2820 | 74315 | 96939 |
| 7. Eranakulam | | 589 | 61719 | 102 | 62410 | | 34 | | 5 | 39 | 2 | | 56243 | 1225 | 57470 | 119919 |
| 8. Thrissur | | 148 | 81171 | 172 | 81491 | | 55 | | 6 | 61 | 529 | | 13290 | 184 | 14003 | 95555 |
| 9. Palakkad | 7019 | 78 | 45439 | 766 | 53302 | 10999 | 6 | | 2 | 11007 | 829 | 4650 | 28550 | 32 | 34061 | 98370 |
| 10. Malappuram | | 496 | 99276 | 151 | 99923 | | 515 | | | 515 | 174 | | 28544 | 45 | 28763 | 129201 |
| 11. Kozhikode | | | 129506 | 30 | 129536 | | 21 | | 1 | 22 | | | 17844 | 386 | 18230 | 147788 |
| 12. Wayanad | | 28 | 9948 | 28 | 10004 | | | | 332 | 332 | 5473 | 67185 | 6337 | 126 | 79121 | 89457 |
| 13. Kannur | | 14 | 95118 | 174 | 95306 | | 15 | | 74 | 89 | | | 33554 | 284 | 33838 | 129233 |
| 14. Kasaragod | | | 48596 | 25 | 48621 | | 19 | 41 | | 60 | | | 21963 | 134 | 22097 | 70778 |
| State | 7021 | 3303 | 882288 | 1751 | 894363 | 10999 | 881 | 41 | 1538 | 13459 | 34690 | 83699 | 469924 | 8909 | 597222 | 1505044 |

Table 3.5 (contd.)

| Districts | Fodder grass | Green manure crops | Other non food crops | Kacholam | Total | Total non food crops | Total cropped area |
|-----------------------|--------------|--------------------|----------------------|----------|--------|----------------------|--------------------|
| 1 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 1. Thiruvananthapuram | 104 | 319 | 2121 | | 2544 | 122481 | 197138 |
| 2. Kollam | 134 | 613 | 2081 | | 2828 | 116816 | 212378 |
| 3. Pathanamthitta | 57 | 634 | 3463 | | 4154 | 74690 | 109498 |
| 4. Alappuzha | 99 | 233 | 2344 | | 2676 | 66591 | 135422 |
| 5. Kottayam | 111 | 325 | 4477 | 4 | 4917 | 164345 | 216784 |
| 6. Idukki | 1272 | 462 | 23423 | 2 | 25159 | 122098 | 247530 |
| 7. Ernakulam | 92 | 298 | 4221 | 21 | 4632 | 124551 | 222459 |
| 8. Thrissur | 24 | 951 | 5888 | | 6863 | 102418 | 186412 |
| 9. Palakkad | 221 | 1865 | 15931 | 3 | 18020 | 116390 | 310037 |
| 10. Malappuram | 20 | 4975 | 6404 | | 11399 | 140600 | 246330 |
| 11. Kozhikode | 56 | 1944 | 3359 | 3 | 5362 | 153150 | 227570 |
| 12. Wayanad | 196 | 446 | 4343 | | 4985 | 94442 | 195070 |
| 13. Kannur | 181 | 1041 | 13154 | | 14376 | 143609 | 270987 |
| 14. Kasaragod | 11 | 1564 | 6673 | | 8248 | 79026 | 138890 |
| State | 2578 | 15670 | 97882 | 33 | 116163 | 1621207 | 2916505 |

Table 3.6 – Area under Crops 1999--2000

| District | (Area in hectares) | | | | | | | | | | | | |
|-----------------------|--------------------|--------|--------|--------|-------|------|---------------|---------------------------|----------------------|--------|--------|-------------------|--------|
| | Paddy | | | Total | Jowar | Ragi | Other cereals | Total cereals/ millets | Pulses including Tur | | | Total food grains | |
| | Autumn | Winter | Summer | | | | | | Autumn | Winter | Summer | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 1. Thiruvananthapuram | 3705 | 4214 | 50 | 7969 | | | | 7969 | 52 | 71 | 927 | 1050 | 9019 |
| 2. Kollam | 7649 | 9767 | 10 | 17426 | | | | 17426 | 66 | 16 | 553 | 635 | 18061 |
| 3. Pathanamthitta | 1000 | 2680 | 3036 | 6716 | | | | 6716 | 3 | 10 | 28 | 41 | 6757 |
| 4. Alappuzha | 8233 | 10689 | 16404 | 35326 | | | | 35326 | 1 | 25 | 93 | 119 | 35445 |
| 5. Kottayam | 3405 | 5588 | 6829 | 15822 | | | | 15822 | 3 | 7 | 918 | 928 | 16750 |
| 6. Idukki | 866 | 2389 | 385 | 3640 | | 33 | 90 | 3763 | 38 | 271 | 366 | 675 | 4438 |
| 7. Ernakulam | 15467 | 17690 | 9737 | 42894 | | | | 42894 | 212 | 101 | 1708 | 2021 | 44915 |
| 8. Thrissur | 11343 | 23622 | 7922 | 42887 | | | | 42887 | 261 | 63 | 208 | 532 | 43419 |
| 9. Palakkad | 51685 | 50730 | 7289 | 109704 | 2528 | 837 | 1736 | 114805 | 464 | 1208 | 190 | 1862 | 116667 |
| 10. Malappuram | 5844 | 15440 | 2211 | 23495 | | | | 23495 | 51 | 50 | 298 | 399 | 23894 |
| 11. Kozhikode | 681 | 4897 | 917 | 6495 | | | | 6495 | 282 | 46 | 230 | 558 | 7053 |
| 12. Wayanad | Nil | 14554 | 2750 | 17304 | 1 | | 5 | 17310 | | 17 | 421 | 438 | 17748 |
| 13. Kannur | 6898 | 4548 | 264 | 11710 | | | | 11710 | 4 | 791 | 543 | 1338 | 13048 |
| 14. Kasaragod | 4749 | 3420 | 217 | 8386 | | | | 8386 | 20 | 196 | 173 | 389 | 8775 |
| State | 121525 | 170228 | 58021 | 349774 | 2529 | 870 | 1831 | 355004 | 1457 | 2872 | 6656 | 10985 | 365989 |

Table 3.6 (contd.)

| District | Sugar crops | | | Spices and condiments | | | | | | | | | | | | Grand Total |
|--------------------|-------------|----------|-------|-----------------------|----------|--------|----------|----------|-----------|----------|--------|--------|----------|--------|--------|-------------|
| | Sugar-cane | Palmyrah | Total | Pepper | Chillies | Ginger | Turmeric | Cardamom | Areca-nut | Tamarind | Cloves | Nutmeg | Cinnamon | Garlic | Total | |
| I | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| Thiruvananthapuram | 0 | 168 | 168 | 5775 | 5 | 77 | 52 | - | 904 | 1432 | 93 | 50 | 0 | - | 8388 | 8556 |
| Kollam | | 19 | 19 | 10170 | | 480 | 184 | | 2235 | 879 | 48 | 50 | 7 | | 14053 | 14072 |
| Pathanamthitta | 230 | 42 | 272 | 4224 | 3 | 442 | 103 | 664 | 1213 | 246 | 87 | 194 | 13 | | 7189 | 7461 |
| Alappuzha | 92 | 44 | 136 | 1943 | 0 | 125 | 11 | | 2308 | 522 | 28 | 126 | 26 | 0 | 5089 | 5225 |
| Kottayam | 81 | 340 | 421 | 8499 | 3 | 163 | 196 | 200 | 1215 | 403 | 123 | 485 | 22 | | 11309 | 11730 |
| Idukki | 2624 | 244 | 2868 | 57211 | | 1711 | 416 | 32667 | 3348 | 341 | 220 | 498 | 39 | 849 | 97300 | 100168 |
| Erana-kulam | 15 | 255 | 270 | 7002 | | 469 | 505 | | 3964 | 899 | 101 | 2632 | 22 | | 15594 | 15864 |
| Thrissur | 1 | 260 | 261 | 3861 | | 112 | 125 | | 6355 | 2038 | 77 | 1847 | 12 | | 14427 | 14688 |
| Palakkad | 2713 | 3237 | 5950 | 4844 | 139 | 1191 | 771 | 2919 | 3786 | 6236 | 10 | 67 | 49 | | 20012 | 25962 |
| Malappuram | 4 | 1026 | 1030 | 7885 | | 200 | 309 | 70 | 15894 | 3047 | 42 | 242 | 20 | | 27709 | 28739 |
| Kozhi-kode | 13 | 284 | 297 | 11869 | | 287 | 747 | 220 | 10139 | 1078 | 51 | 164 | 19 | | 24574 | 24871 |
| Wayahad | 1 | 144 | 145 | 44771 | | 5520 | 159 | 4108 | 5212 | 183 | 8 | 13 | 14 | | 59988 | 60133 |
| Kannur | 4 | 132 | 136 | 23301 | 13 | 358 | 323 | 128 | 12630 | 1348 | 25 | 126 | 36 | | 38288 | 38424 |
| Kasara-god | 2 | 77 | 79 | 7051 | 149 | 129 | 70 | 515 | 12738 | 270 | 13 | 26 | 1 | | 20962 | 21041 |
| State | 5780 | 6272 | 12052 | 198406 | 312 | 11264 | 3971 | 41491 | 81941 | 18922 | 926 | 6520 | 280 | 849 | 364882 | 376934 |

Table 3.6 (contd.)

| Districts | Fresh fruits | | | | | | | Dry fruits | | |
|-----------------------|--------------|-------|--------|----------------|-----------|---------|--------------------|------------|--------|--------------|
| | Jack | Mango | Banana | Other plantain | Pineapple | Pappaya | Other fresh fruits | Total | Cashew | Total fruits |
| 1 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 1. Thiruvananthapuram | 6464 | 6957 | 1599 | 5877 | 262 | 863 | 498 | 22520 | 2804 | 25324 |
| 2. Kollam | 6611 | 6014 | 1489 | 4128 | 185 | 917 | 377 | 19721 | 4604 | 24325 |
| 3. Pathanamthitta | 2834 | 1527 | 1669 | 2053 | 207 | 481 | 646 | 9417 | 1044 | 10461 |
| 4. Alappuzha | 3191 | 5833 | 536 | 3544 | 101 | 978 | 920 | 15103 | 4909 | 20012 |
| 5. Kottayam | 4308 | 2720 | 2655 | 4259 | 502 | 901 | 651 | 15996 | 701 | 16697 |
| 6. Idukki | 5467 | 2630 | 1138 | 3736 | 1283 | 530 | 743 | 15527 | 1341 | 16868 |
| 7. Ernakulam | 4413 | 4977 | 4200 | 4232 | 5174 | 1150 | 1092 | 25238 | 1576 | 26814 |
| 8. Thrissur | 5175 | 6795 | 2791 | 5332 | 303 | 1112 | 1614 | 23122 | 4101 | 27223 |
| 9. Palakkad | 4988 | 7535 | 5279 | 4268 | 124 | 1020 | 987 | 24201 | 5854 | 30055 |
| 10. Malappuram | 8868 | 11426 | 7049 | 3828 | 353 | 1756 | 1149 | 34429 | 10982 | 45411 |
| 11. Kozhikode | 11102 | 11307 | 1667 | 3259 | 390 | 1451 | 1203 | 30379 | 3863 | 34242 |
| 12. Wayanad | 12477 | 5859 | 6342 | 1946 | 63 | 362 | 792 | 27841 | 1561 | 29402 |
| 13. Kannur | 14740 | 14360 | 1840 | 4347 | 439 | 1223 | 1150 | 38099 | 26101 | 64200 |
| 14. Kasaragod | 2606 | 2530 | 792 | 2443 | 98 | 446 | 775 | 9690 | 19962 | 29652 |
| State | 93244 | 90470 | 39046 | 53252 | 9484 | 13190 | 12597 | 311283 | 89403 | 400686 |

Table 3.6 (contd.)

| Districts | Vegetables | | | | | | | | | | | | | | | | |
|--------------------|------------|--------|--------------|---------|--------|--------|--------|--------------|-------------|---------------|---------|----------|------------------|---------|--------|------------------|------------------|
| | Drumstick | Tubers | Sweet potato | Tapioca | | | Total | Bitter gourd | Snake gourd | Ladies finger | Brinjal | Amaranth | Other vegetables | Thivara | Mithra | Total vegetables | Total food crops |
| | | | | Autumn | Winter | Summer | | | | | | | | | | | |
| I | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 |
| Thiruvananthapuram | 2490 | 1841 | 47 | 5852 | 7272 | 12857 | 25981 | 112 | 150 | 28 | 6 | 78 | 552 | | | 31285 | 74184 |
| Kollam | 1696 | 6256 | 1 | 3165 | 10672 | 11841 | 25678 | 77 | 19 | 212 | 58 | 676 | 446 | | | 35119 | 91577 |
| Pathanamthitta | 577 | 3617 | | 603 | 3028 | 3246 | 6877 | 107 | 109 | 25 | 56 | 40 | 811 | | | 12219 | 36898 |
| Alappuzha | 924 | 2402 | 2 | 232 | 2149 | 2143 | 4524 | 167 | 88 | 17 | 31 | 152 | 720 | | | 9027 | 69709 |
| Kottayam | 908 | 1229 | | 417 | 4097 | 3231 | 7745 | 327 | 256 | 14 | 15 | 30 | 1083 | | | 11607 | 56784 |
| Idukki | 534 | 1834 | 17 | 361 | 3926 | 3488 | 7775 | 433 | 4 | 3 | 9 | 11 | 3892 | 6 | | 14518 | 135992 |
| Ernakulam | 877 | 1310 | 8 | 688 | 1318 | 3125 | 5131 | 173 | 119 | 58 | 25 | 92 | 877 | | | 8670 | 96263 |
| Thrissur | 1106 | 895 | | 274 | 339 | 914 | 1527 | 116 | 18 | 58 | 17 | 86 | 988 | | | 4811 | 90141 |
| Palakkad | 1528 | 3194 | 519 | 869 | 2532 | 2972 | 6373 | 260 | 105 | 331 | 212 | 51 | 3818 | 3894 | 1057 | 21342 | 194026 |
| Malappuram | 2462 | 2054 | 252 | 2177 | 1984 | 4330 | 8491 | 64 | 12 | 29 | 13 | 28 | 2862 | | 1 | 16268 | 114312 |
| Kozhikode | 3109 | 1984 | 36 | 1062 | 1519 | 2343 | 4924 | 24 | 6 | 13 | 2 | 32 | 780 | | | 10910 | 77076 |
| Wayanad | 835 | 2170 | 3 | 140 | 345 | 1135 | 1620 | 115 | | 3 | 9 | 11 | 759 | | | 5525 | 112808 |
| Kannur | 1654 | 938 | 26 | 342 | 1992 | 1662 | 3996 | 122 | | 29 | 11 | 93 | 1088 | | 7 | 7964 | 123636 |
| Kasaragod | 546 | 268 | 78 | 135 | 813 | 332 | 1280 | 35 | 3 | 27 | 12 | 26 | 848 | | 3 | 3126 | 62594 |
| State | 19246 | 29992 | 989 | 16317 | 41986 | 53619 | 111922 | 2132 | 889 | 847 | 476 | 1406 | 19524 | 3900 | 1068 | 192391 | 1336000 |

Table 3.6 (contd.)

| District | Non food crops | | | | | | | | | | | | | TOTAL | | |
|--------------------|----------------|---------|----------|--------|--------|---------------------------|--------------|---------|-------------|------------------|-------|--------|--------|-------|--------|---------|
| | Oil seeds | | | | Total | Fibre drugs and narcotics | | | | Plantation crops | | | | | | |
| | Ground-nut | Sesamum | Coco-nut | Others | | Cotton | Betal leaves | Tobacco | Lemon-grass | Total | Tea | Coffee | Rubber | | Cocoa | Total |
| 1 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 |
| Thiruvananthapuram | | | 91362 | 53 | 91415 | | 33 | | | 33 | 965 | | 27954 | 113 | 29032 | 120480 |
| Kollam | | 581 | 79906 | 10 | 80497 | | 53 | | | 53 | 1258 | | 36452 | 38 | 37748 | 118298 |
| Pathanamthitta | | 8 | 22769 | 22 | 22799 | | 78 | | | 78 | 90 | | 47700 | 661 | 48451 | 71328 |
| Alappuzha | | 902 | 61270 | 172 | 62344 | | 42 | | | 42 | | | 3747 | 175 | 3922 | 66308 |
| Kottayam | | 46 | 43272 | 23 | 43341 | | 15 | | | 15 | 1951 | | 110923 | 2243 | 115117 | 158473 |
| Idukki | | 9 | 23696 | 33 | 23738 | | 1 | | 1226 | 1227 | 23503 | 12075 | 38187 | 2860 | 76625 | 101590 |
| Eranakulam | | 236 | 68110 | 117 | 68463 | | 42 | | 4 | 46 | 2 | | 56383 | 1416 | 57801 | 126310 |
| Thrissur | 1 | 111 | 88307 | 184 | 88603 | | 35 | | 5 | 40 | 530 | | 13372 | 169 | 14071 | 102714 |
| Palakkad | 6920 | 115 | 45857 | 878 | 53770 | 4772 | 4 | | 3 | 4779 | 840 | 4650 | 28781 | 29 | 34300 | 92849 |
| Malappuram | | 558 | 107142 | 132 | 107832 | | 664 | | | 664 | 174 | | 28920 | 40 | 29134 | 137630 |
| Kozhikode | | | 131061 | 26 | 131087 | | 25 | | 2 | 27 | | | 18016 | 404 | 18420 | 149534 |
| Wayanad | | 20 | 10843 | 26 | 10889 | | 1 | | 300 | 301 | 5480 | 67414 | 6411 | 137 | 79442 | 90632 |
| Kannur | | | 95257 | 162 | 95419 | | 9 | | 61 | 70 | | | 33806 | 216 | 34022 | 129511 |
| Kasaragod | | 26 | 56183 | 28 | 56237 | | 22 | 44 | | 66 | | | 22248 | 128 | 22376 | 78679 |
| State | 6921 | 2612 | 925035 | 1866 | 936434 | 4772 | 1024 | 44 | 1601 | 7441 | 34793 | 84139 | 472900 | 8629 | 600461 | 1544336 |

Table 3.6 (contd.)

| Districts | Fodder grass | Green manure crops | Other non food crops | Kacholam | Total | Total non food crops | Total cropped area |
|-----------------------|--------------|--------------------|----------------------|----------|--------|----------------------|--------------------|
| 1 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 1. Thiruvananthapuram | 93 | 313 | 2421 | | 2827 | 123307 | 197491 |
| 2. Kollam | 157 | 640 | 1939 | | 2736 | 121034 | 212611 |
| 3. Pathanamthitta | 62 | 700 | 3293 | | 4055 | 75383 | 112281 |
| 4. Alappuzha | 110 | 243 | 2578 | | 2931 | 69239 | 138948 |
| 5. Kottayam | 130 | 320 | 4949 | | 5399 | 163872 | 220656 |
| 6. Idukki | 1343 | 548 | 25248 | 5 | 27144 | 128734 | 264726 |
| 7. Ernakulam | 102 | 317 | 4366 | 14 | 4799 | 131109 | 227372 |
| 8. Thrissur | 32 | 1046 | 4583 | | 5661 | 108375 | 198516 |
| 9. Palakkad | 276 | 1807 | 15543 | 6 | 17632 | 110481 | 304507 |
| 10. Malappuram | 35 | 4911 | 7556 | | 12502 | 150132 | 264444 |
| 11. Kozhikode | 49 | 2060 | 3581 | 7 | 5697 | 155231 | 232307 |
| 12. Wayanad | 188 | 495 | 4938 | | 5621 | 96253 | 209061 |
| 13. Kannur | 191 | 937 | 15973 | 1 | 17102 | 146613 | 270249 |
| 14. Kasaragod | 20 | 1404 | 5838 | | 7262 | 85941 | 148535 |
| State | 2788 | 15741 | 102806 | 33 | 121368 | 1665704 | 3001704 |

Table 3.7 – Production of important crops 1998-99

| Name of district | Rice | | | | Jowar | Ragi | Other cereals | Sugar-cane | Black pepper | Dry chillies | Pulses | Cured ginger | Cured turmeric | Groundnut |
|-----------------------|--------|--------|--------|--------|-------|------|---------------|------------|--------------|--------------|--------|--------------|----------------|-----------|
| | Autumn | Winter | Summer | Total | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | | | | | | | | | | |
| 1. Thiruvananthapuram | 8892 | 8792 | 5 | 17689 | | | | 15 | 1953 | 3 | 265 | 232 | 159 | 1 |
| 2. Kollam | 14574 | 18737 | | 33311 | | | | | 2828 | 6 | 1328 | 1331 | 238 | |
| 3. Pathanamthitta | 2499 | 6544 | 10424 | 19467 | | | | 1258 | 1097 | 2 | 8 | 997 | 115 | |
| 4. Alappuzha | 17570 | 16098 | 58015 | 91681 | | | | 419 | 256 | | 115 | 224 | 14 | |
| 5. Kottayam | 6580 | 18048 | 11030 | 35658 | | | | 1203 | 1102 | 7 | 947 | 392 | 386 | |
| 6. Idukki | 2314 | 5869 | 812 | 8995 | 1 | 34 | 104 | 20254 | 29372 | | 392 | 6486 | 1505 | |
| 7. Ernakulam | 28778 | 36613 | 19138 | 84529 | | | | 84 | 1026 | 9 | 1823 | 1234 | 746 | |
| 8. Thrissur | 17623 | 42334 | 14233 | 74190 | | | | | 919 | 15 | 459 | 176 | 123 | |
| 9. Palakkad | 98955 | 123214 | 15619 | 237788 | 1107 | 902 | 1683 | 23677 | 826 | 107 | 2037 | 3329 | 1162 | 5218 |
| 10. Malappuram | 13044 | 24600 | 4697 | 42341 | | | | 46 | 1145 | | 381 | 271 | 350 | |
| 11. Kozhikode | 850 | 5819 | 1165 | 7834 | | | | 115 | 3288 | | 446 | 670 | 1496 | |
| 12. Wayanad | | 25666 | 9023 | 34689 | | | | | 18175 | | 343 | 22717 | 553 | |
| 13. Kannur | 14122 | 8071 | 347 | 22540 | | | | 141 | 5236 | 10 | 995 | 1121 | 1120 | |
| 14. Kasaragod | 10048 | 5617 | 366 | 16031 | | | 1 | 4 | 1287 | 129 | 283 | 182 | 67 | |
| State | 235849 | 346022 | 144872 | 726743 | 1108 | 936 | 1788 | 47216 | 68510 | 288 | 9822 | 39362 | 8034 | 5219 |

Table 3.7 (contd.)

| District | Arecanut betel nuts (Ton.) | Tama- rind | Mango | Jack (Nos. in million nuts) | Banana | Other plantain | Pine- apple | Tapioca | Sweet potato | Pappaya | Drum- stick | Sesa- mum | Coconut (million nuts) |
|----------------------------|----------------------------------|---------------|--------|-----------------------------------|--------|-------------------|----------------|---------|-----------------|---------|----------------|--------------|------------------------------|
| 1 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 1. Thiruvanantha- puram | 455 | 4313 | 19824 | 32 | 15859 | 41992 | 1711 | 566484 | 454 | 5169 | 3963 | | 555 |
| 2. Kollam | 1593 | 1999 | 25336 | 32 | 17276 | 33140 | 1724 | 532109 | | 758 | 2960 | 260 | 350 |
| 3. Pathanamthitta | 923 | 404 | 9001 | 12 | 16980 | 17334 | 1017 | 165089 | | 2685 | 640 | 12 | 118 |
| 4. Alappuzha | 766 | 1000 | 17024 | 11 | 4493 | 24818 | 556 | 86808 | 81 | 4701 | 1040 | 140 | 288 |
| 5. Kottayam | 816 | 961 | 10533 | 15 | 27845 | 41156 | 2761 | 196351 | 20 | 5914 | 488 | 20 | 171 |
| 6. Idukki | 2792 | 526 | 9733 | 16 | 23692 | 39509 | 6084 | 241324 | 250 | 1271 | 710 | 1 | 87 |
| 7. Ernakulam | 1941 | 874 | 10624 | 15 | 41314 | 36195 | 48329 | 140764 | 45 | 5108 | 640 | 311 | 345 |
| 8. Thrissur | 5750 | 1723 | 15864 | 22 | 35071 | 35190 | 2650 | 38529 | | 4566 | 1426 | 70 | 534 |
| 9. Palakkad | 1921 | 7421 | 29301 | 16 | 54078 | 34063 | 637 | 156619 | 5986 | 6669 | 2209 | 39 | 194 |
| 10. Malappuram | 9823 | 3592 | 25529 | 25 | 59389 | 22840 | 2024 | 205796 | 2371 | 7326 | 2792 | 182 | 600 |
| 11. Kozhikode | 11528 | 2364 | 12840 | 31 | 16867 | 17191 | 2635 | 92145 | 295 | 936 | 1324 | | 999 |
| 12. Wayanad | 1478 | 328 | 12789 | 32 | 47663 | 15050 | 224 | 56023 | | 2190 | 585 | 4 | 25 |
| 13. Kannur | 10794 | 2765 | 44212 | 53 | 16634 | 24259 | 2631 | 124267 | 306 | 6401 | 1355 | 18 | 529 |
| 14. Kasaragod | 17899 | 669 | 10671 | 13 | 9427 | 15249 | 724 | 27847 | 2116 | 2511 | 802 | | 337 |
| State | 68479 | 28939 | 253281 | 325 | 386588 | 397986 | 73707 | 2630155 | 11924 | 56205 | 20934 | 1057 | 5132 |

Table 3.7 (contd.)

| District | Cotton (Bale of 170Kg. each) | Nutmeg | Tobacco | Lemon- grass | Tea * | Coffec ** | Rubber *** | Cocoa | Processed cardamom (@) | Raw cashew nuts | Betel leaves | Clove (dry) | Garlic |
|-----------------------|---------------------------------------|--------|---------|-----------------|----------|--------------|---------------|-------|------------------------------|--------------------|-----------------|----------------|--------|
| 1 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 |
| 1. Thiruvananthapuram | | 11 | | | 595 | | 31309 | 60 | | 2417 | 6620 | 5 | |
| 2. Kollam | | 15 | | | | | 44405 | 30 | | 3032 | 2235 | 3 | |
| 3. Pathanamthitta | | 46 | | | 367 | | 60711 | 383 | 46 | 403 | 13241 | 6 | |
| 4. Alappuzha | | 28 | | | | | 3868 | 193 | | 792 | 6442 | 2 | |
| 5. Kottayam | | 133 | | | 279 | 1035 | 137820 | 671 | 12 | 203 | 1610 | 8 | |
| 6. Idukki | | 109 | | 74 | 41358 | 7875 | 44005 | 1445 | 4556 | 536 | 358 | 12 | 12614 |
| 7. Ernakulam | | 594 | | 1 | | | 71593 | 372 | | 517 | 6083 | 6 | |
| 8. Thrissur | | 351 | | 2 | 1648 | | 18775 | 99 | | 1796 | 9841 | 5 | |
| 9. Palakkad | 17752 | 17 | | 1 | 2368 | 1850 | 30150 | 9 | 175 | 2612 | 1074 | 1 | |
| 10. Malappuram | | 55 | | | | | 31740 | 4 | Negligible | 4169 | 98257 | 3 | |
| 11. Kozhikode | | 38 | | | | | 21833 | 268 | Negligible | 1858 | 3757 | 3 | |
| 12. Wayanad | | 3 | | 6 | 12111 | 39126 | 3828 | 48 | 201 | 622 | - | 1 | |
| 13. Kannur | | 40 | | 3 | | | 36164 | 76 | Negligible | 25774 | 2683 | 1 | |
| 14. Kasaragod | | 6 | 228 | | | | 22898 | 28 | Negligible | 6605 | 3399 | 1 | |
| State | 17752 | 1446 | 228 | 87 | 58726 | 49886 | 559099 | 3686 | 4990 | 51336 | 155600 | 57 | 12614 |

* Tea Board figures related 1998-99;

** Coffee Board figures related 1998-99;

*** Rubber Board figures related 1998-99

@ Spices Board figures related 1998-99

Table 3.8 - Production of important crops 1999-2000

| Name of district | Rice | | | | Jowar | Ragi | Other cereals | Sugar-cane | Black pepper | Dry chillies | Pulses | Cured ginger | Cured turmeric | Groundnut | |
|-----------------------|--------|--------|--------|--------|-------|------|---------------|------------|--------------|--------------|--------|--------------|----------------|-----------|-------|
| | Winter | | Summer | | | | | | | | | | | | Total |
| | Autumn | Winter | Summer | Total | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
| 1. Thiruvananthapuram | 8206 | 9259 | 85 | 17550 | | | | | 1377 | 5 | 240 | 254 | 118 | | |
| 2. Kollam | 15737 | 19333 | 13 | 35083 | | | | | 3269 | | 1157 | 1213 | 274 | | |
| 3. Pathanamthitta | 1967 | 6005 | 10667 | 18639 | | | | 1124 | 912 | 3 | 33 | 1295 | 169 | | |
| 4. Alappuzha | 24776 | 27593 | 39718 | 92087 | | | | 289 | 242 | | 104 | 333 | 13 | | |
| 5. Kottayam | 8984 | 13127 | 19320 | 41431 | | | | 381 | 777 | 3 | 801 | 458 | 413 | | |
| 6. Idukki | 2215 | 5719 | 1122 | 9056 | | 27 | 70 | 22164 | 13629 | | 557 | 7369 | 1000 | | |
| 7. Ernakulam | 31401 | 33858 | 17067 | 82326 | | | | 189 | 906 | | 1447 | 1592 | 864 | | |
| 8. Thrissur | 21488 | 51132 | 19589 | 92209 | | | | 10 | 563 | | 380 | 284 | 177 | | |
| 9. Palakkad | 106137 | 123292 | 21482 | 250911 | 1287 | 677 | 1350 | 33473 | 818 | 149 | 1403 | 3433 | 1498 | 5144 | |
| 10. Malappuram | 10230 | 25677 | 6210 | 42117 | | | | 40 | 914 | | 297 | 509 | 453 | | |
| 11. Kozhikode | 857 | 6323 | 1540 | 8720 | | | | 130 | 1806 | | 423 | 749 | 1639 | | |
| 12. Wayanad | | 37783 | 6978 | 44761 | | | 3 | 10 | 17332 | | 334 | 21965 | 446 | | |
| 13. Kannur | 11598 | 7868 | 334 | 19800 | | | | 65 | 3430 | 11 | 1093 | 1395 | 1178 | | |
| 14. Kasaragod | 9280 | 6290 | 426 | 15996 | | | | 7 | 1568 | 139 | 302 | 495 | 120 | | |
| State | 252876 | 373259 | 144551 | 770686 | 1287 | 704 | 1423 | 57882 | 47543 | 310 | 8571 | 41344 | 8362 | 5144 | |

Table 3.8 (contd.)

| District | Arecanut betel nuts (Ton.) | Tama- rind | Mango | Jack (Nos.inmillion nuts | Banana | Other plantain | Pine- apple | Tapioca | Sweet potato | Pappaya | Drum- stick | Sesa- mum | Coconut (million nuts) |
|-----------------------|-------------------------------------|---------------|--------|--------------------------------|--------|-------------------|----------------|---------|-----------------|---------|----------------|--------------|------------------------------|
| 1 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 2. Thiruvananthapuram | 467 | 4368 | 22201 | 26 | 16134 | 41303 | 1472 | 530595 | 533 | 5683 | 4016 | | 608 |
| 3. Kollam | 1442 | 1798 | 22189 | 26 | 15742 | 29507 | 1582 | 470705 | 11 | 853 | 3101 | 166 | 399 |
| 4. Pathanamthitta | 1105 | 469 | 10381 | 11 | 16865 | 19907 | 1474 | 157998 | | 2657 | 593 | 3 | 131 |
| 5. Alappuzha | 1043 | 998 | 17083 | 9 | 5418 | 29592 | 578 | 90552 | 23 | 4865 | 1031 | 126 | 333 |
| 6. Kottayam | 671 | 770 | 10927 | 15 | 30012 | 44221 | 2885 | 202980 | | 6490 | 498 | 33 | 201 |
| 7. Idukki | 3312 | 590 | 11076 | 25 | 12190 | 34681 | 11941 | 251629 | 193 | 1342 | 701 | 2 | 92 |
| 8. Ernakulam | 2661 | 959 | 12856 | 14 | 41312 | 29350 | 37497 | 154251 | 90 | 5568 | 687 | 131 | 406 |
| 9. Thrissur | 6109 | 1903 | 16843 | 22 | 33729 | 29990 | 1635 | 34226 | | 4863 | 1501 | 31 | 610 |
| 10. Palakkad | 2320 | 7695 | 27930 | 19 | 52737 | 34591 | 1018 | 133282 | 4787 | 6762 | 2032 | 53 | 218 |
| 11. Malappuram | 11934 | 3951 | 29500 | 27 | 65122 | 24391 | 2491 | 227107 | 2900 | 7585 | 2575 | 154 | 717 |
| 12. Kozhikode | 13314 | 2404 | 12839 | 35 | 16329 | 21061 | 2281 | 108758 | 408 | 943 | 1238 | | 1059 |
| 13. Wayanad | 1736 | 359 | 10003 | 35 | 65753 | 26798 | 236 | 57449 | 35 | 2417 | 674 | 5 | 27 |
| 14. Kannur | 12191 | 2572 | 42425 | 59 | 18024 | 26306 | 2134 | 86741 | 295 | 6551 | 1261 | | 515 |
| 15. Kasaragod | 25032 | 728 | 11508 | 12 | 8778 | 18868 | 1034 | 25479 | 1423 | 2745 | 817 | 14 | 364 |
| State | 83337 | 29564 | 257761 | 335 | 398145 | 410566 | 68258 | 2531752 | 10698 | 59324 | 20725 | 718 | 5680 |

Table 3.8 (contd.)

| District | Cotton (No. of bales of 170K-g. Each) | Nut- meg | Toba- cco | Lemon- grass | Tea * | Coffee ** | Rubber *** | Cocoa | Processed cardamom @ | Raw cashew nuts | Betel leaves | Clove (dry) | Garlic |
|-----------------------|---|-------------|--------------|-----------------|----------|--------------|---------------|-------|----------------------------|--------------------|-----------------|----------------|--------|
| 1 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 |
| 1. Thiruvananthapuram | | 13 | | | 361 | | 32913 | 49 | | 1406 | 5904 | 6 | |
| 2. Kollam | | 13 | | | 368 | | 45727 | 30 | | 2662 | 2042 | 3 | |
| 3. Pathanamthitta | | 50 | | | | | 61664 | 369 | 61 | 419 | 13957 | 6 | |
| 4. Alappuzha | | 32 | | | | | 3954 | 140 | | 1326 | 7516 | 2 | |
| 5. Kottayam | | 126 | | | 168 | | 139550 | 1137 | 21 | 170 | 2683 | 9 | |
| 6. Idukki | | 128 | | 81 | 46456 | 10500 | 44853 | 1032 | 6077 | 395 | 179 | 14 | 14433 |
| 7. Ernakulam | | 704 | | 1 | | | 72663 | 564 | | 549 | 7514 | 7 | |
| 8. Thrissur | | 393 | | 2 | 1888 | | 19431 | 45 | | 1216 | 6262 | 6 | |
| 9. Palakkad | 7702 | 18 | | 2 | 2302 | 1790 | 31235 | 13 | 180 | 2258 | 716 | 1 | |
| 10. Malappuram | | 62 | | | | | 32606 | 5 | | 5669 | 126685 | 3 | |
| 11. Kozhikode | | 42 | | | | | 22593 | 186 | | 2049 | 4473 | 3 | |
| 12. Wayanad | | 4 | | 5 | 10412 | 48180 | 3907 | 49 | 245 | 944 | 179 | 1 | |
| 13. Kannur | | 32 | | 2 | | | 37992 | 61 | | 35954 | 1610 | 1 | |
| 14. Kasaragod | | 7 | 245 | | | | 23732 | 64 | 1 | 10530 | 3936 | 1 | |
| State | 7702 | 1625 | 245 | 93 | 61955 | 60470 | 572820 | 3744 | 6585 | 65547 | 183656 | 63 | 14433 |

* Tea Board figures related 1999-2000. ** Coffee Board figures related 1999-2000. *** Rubber Board figures related 1999-2000.

@ Spices Board figures related 1999-2000.

Table 3.9 Estimated productivity of crops 1998-99

| Sl. No | Name of District | Paddy | | | Coconut in Nos. | Areca-nut | Tapioca | Raw Cashewnut | Black Pepper | Banana | Plantain | Jack in Nos. | Cocon | Sesamum |
|--------|--------------------|-------------|--------|--------|-----------------|-----------|---------|---------------|--------------|--------|----------|--------------|-------|---------|
| | | Autumn | Winter | Summer | | | | | | | | | | |
| | | In Kg/hect. | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1 | Thiruvananthapuram | 2821 | 2797 | 515 | 6081 | 550 | 21272 | 980 | 337 | 11418 | 8021 | 5163 | 448 | - |
| 2 | Kollam | 2938 | 2846 | - | 4629 | 821 | 19000 | 585 | 306 | 12429 | 7705 | 4449 | 625 | 358 |
| 3 | Pathanamthitta | 2772 | 3147 | 5360 | 5365 | 805 | 27171 | 384 | 289 | 13998 | 8684 | 4948 | 501 | 750 |
| 4 | Allappuzha | 3067 | 3335 | 4633 | 4913 | 371 | 17612 | 163 | 126 | 13867 | 8234 | 3329 | 821 | 122 |
| 5 | Kottayam | 3056 | 3798 | 4324 | 4017 | 722 | 28333 | 328 | 143 | 15359 | 9251 | 3652 | 269 | 556 |
| 6 | Idukki | 3307 | 3643 | 3757 | 4057 | 963 | 34342 | 469 | 590 | 13378 | 11745 | 3401 | 512 | 48 |
| 7 | Eranakulam | 2604 | 2723 | 2340 | 5590 | 539 | 28035 | 376 | 170 | 13653 | 8824 | 3985 | 304 | 528 |
| 8 | Thrissur | 2677 | 2802 | 3496 | 6579 | 1055 | 21299 | 414 | 210 | 14170 | 7305 | 4949 | 538 | 473 |
| 9 | Palakkad | 3280 | 3365 | 4083 | 4269 | 510 | 22982 | 455 | 175 | 11725 | 6859 | 3325 | 281 | 500 |
| 10 | Malappuram | 3157 | 2393 | 3799 | 6044 | 692 | 25587 | 412 | 162 | 11684 | 6653 | 3137 | 889 | 367 |
| 11 | Kozhikode | 1405 | 1782 | 1861 | 7714 | 1285 | 22034 | 535 | 275 | 11104 | 5625 | 2952 | 694 | - |
| 12 | Wayanad | - | 3244 | 3816 | 2513 | 332 | 37828 | 449 | 452 | 12792 | 8770 | 2984 | 381 | 143 |
| 13 | Kannur | 2481 | 2498 | 1790 | 5562 | 873 | 26255 | 933 | 224 | 11448 | 5568 | 3935 | 268 | 778 |
| 14 | Kasaragod | 3182 | 2907 | 2134 | 6935 | 1652 | 25501 | 303 | 208 | 12981 | 7122 | 5724 | 209 | - |
| 15 | STATE | 2986 | 3014 | 3822 | 5817 | 930 | 23322 | 562 | 376 | 12666 | 7812 | 3784 | 414 | 320 |

Table 3.10 - Estimated Productivity of Crops - 1999-2000.

| Name of District | Paddy | | | Cocunut in No.s | Arecanut | Tapioca | Raw Cashewnuts | Black Pepper | Banana | Plantain | Jack (in Nos) | Cocoa | Sesamum |
|-----------------------|-------------|-------------|-------------|--------------------|-------------|--------------|-------------------|-----------------|--------------|-------------|---------------------|------------|------------|
| | Autumn | Winter | Summer | | | | | | | | | | |
| | 2 | 3 | 4 | | | | | | | | | | |
| 1. Thiruvananthapuram | 3371 | 3344 | 2588 | 6655 | 517 | 20422 | 501 | 238 | 10090 | 7028 | 4022 | 433 | |
| 2. Kollam | 3131 | 3013 | 1979 | 4993 | 645 | 18331 | 578 | 321 | 10572 | 7148 | 3933 | 789 | 286 |
| 3. Pathanamthitta | 2994 | 3410 | 5348 | 5753 | 911 | 22975 | 402 | 216 | 10105 | 9697 | 3881 | 558 | 375 |
| 4. Alappuzha | 4580 | 3929 | 3685 | 5435 | 452 | 20016 | 270 | 125 | 10108 | 8350 | 2820 | 800 | 140 |
| 5. Kottayam | 4016 | 3576 | 4306 | 4645 | 552 | 26208 | 243 | 91 | 11304 | 10383 | 3482 | 507 | 717 |
| 6. Idukki | 3893 | 3644 | 4436 | 3883 | 989 | 32364 | 295 | 238 | 10712 | 9283 | 4573 | 361 | 222 |
| 7. Ernakulam | 3090 | 2913 | 2668 | 5961 | 671 | 30063 | 348 | 129 | 9836 | 6935 | 3172 | 398 | 555 |
| 8. Thrissur | 2883 | 3295 | 3764 | 6908 | 961 | 22414 | 297 | 146 | 12085 | 5625 | 4251 | 266 | 279 |
| 9. Palakkad | 3126 | 3699 | 4486 | 4754 | 613 | 20914 | 386 | 169 | 9990 | 8105 | 3809 | 448 | 461 |
| 10. Malappuram | 2664 | 2531 | 4275 | 6692 | 751 | 26747 | 516 | 116 | 9238 | 6372 | 3045 | 125 | 276 |
| 11. Kozhikode | 1915 | 1965 | 2556 | 8080 | 1313 | 22087 | 530 | 152 | 9795 | 6462 | 3153 | 460 | |
| 12. Wayanad | | 3951 | 3862 | 2490 | 333 | 35462 | 605 | 387 | 10368 | 13771 | 2805 | 358 | 250 |
| 13. Kannur | 2559 | 2633 | 1926 | 5406 | 965 | 21707 | 1377 | 147 | 9796 | 6052 | 4003 | 282 | |
| 14. Kasaragod | 2974 | 2799 | 2988 | 6479 | 1965 | 19905 | 528 | 222 | 11083 | 7723 | 4605 | 500 | 538 |
| State | 3167 | 3337 | 3792 | 6140 | 1017 | 22621 | 733 | 240 | 10197 | 7710 | 3593 | 434 | 275 |

Table 3.11 Estimated area and production of Rice - autumn - 1998-99 - Area in hectares and Production in Tonnes

| Sl.No. | Name of Districts | High Yielding | | | | | | Local varieties | | | | | |
|--------|--------------------|---------------|------------|--------------|------------|-------|------------|-----------------|------------|--------------|------------|-------|------------|
| | | Irrigated | | Un-Irrigated | | Total | | Irrigated | | Un-Irrigated | | Total | |
| | | Area | Production | Area | Production | Area | Production | Area | Production | Area | Production | Area | Production |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 1 | Thiruvananthapuram | 110 | 197 | 2854 | 5796 | 2964 | 5993 | 796 | 1251 | 1038 | 1648 | 1834 | 2899 |
| 2 | Kollam | - | - | 7297 | 14257 | 7297 | 14257 | - | - | 252 | 317 | 252 | 317 |
| 3 | Pathanamthitta | - | - | 733 | 1307 | 733 | 1307 | - | - | 639 | 1192 | 639 | 1192 |
| 4 | Allappuzha | 5763 | 14242 | 1763 | 2300 | 7526 | 16542 | - | - | 1193 | 1028 | 1193 | 1028 |
| 5 | Kottayam | 2578 | 5381 | 527 | 900 | 3105 | 6281 | 72 | 91 | 100 | 208 | 172 | 299 |
| 6 | Idukki | - | - | 136 | 329 | 136 | 329 | - | - | 929 | 1985 | 929 | 1985 |
| 7 | Eranakulam | 8123 | 14249 | 4891 | 8217 | 13014 | 22466 | - | - | 3808 | 6312 | 3808 | 6312 |
| 8 | Thrissur | 17 | 33 | 6751 | 71388 | 3774 | 7171 | 249 | 398 | 5996 | 10054 | 6245 | 10452 |
| 9 | Palakkad | 1333 | 3360 | 10380 | 23864 | 11713 | 27224 | 1842 | 4488 | 32360 | 67243 | 34202 | 71731 |
| 10 | Malappuram | - | - | 4602 | 10238 | 4602 | 40238 | - | - | 1687 | 2806 | 1687 | 2806 |
| 11 | Kozhikode | - | - | 422 | 511 | 422 | 511 | - | - | 499 | 339 | 499 | 339 |
| 12 | Wayanad | - | - | - | - | - | - | - | - | - | - | - | - |
| 13 | Kannur | - | - | 4679 | 8238 | 4679 | 8238 | - | - | 3986 | 5884 | 3986 | 5882 |
| 14 | Kasaragod | 82 | 178 | 2299 | 5340 | 2381 | 5518 | 68 | 170 | 2387 | 4360 | 2425 | 4530 |
| 15 | STATE | 18006 | 37640 | 44340 | 88435 | 62346 | 123075 | 3027 | 6398 | 54844 | 103376 | 57871 | 109774 |

Table 3.12 Estimated area and production of Rice – Winter – 1998-99 – Area in hectares and Production in Tonnes

| Sl.No. | Name of District | High Yielding | | | | | | Local varieties | | | | | |
|--------|--------------------|---------------|------------|--------------|------------|-------|------------|-----------------|------------|--------------|------------|--------|------------|
| | | Irrigated | | Un-Irrigated | | Total | | Irrigated | | Un-Irrigated | | Total | |
| | | Area | Production | Area | Production | Area | Production | Area | Production | Area | Production | Area | Production |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 1 | Thiruvananthapuram | 149 | 297 | 1652 | 3219 | 1801 | 3516 | 581 | 951 | 2402 | 4325 | 2983 | 5276 |
| 2 | Kollam | - | - | 1831 | 3984 | 1831 | 3984 | - | - | 8191 | 14753 | 8191 | 14753 |
| 3 | Pathanamthitta | 617 | 1393 | 819 | 1719 | 1436 | 3112 | 752 | 1462 | 977 | 1970 | 1729 | 3432 |
| 4 | Allappuzha | 4926 | 13525 | 451 | 733 | 5377 | 14258 | 4 | 9 | 1967 | 1831 | 1971 | 1804 |
| 5 | Kottayam | 6483 | 16462 | 22 | 58 | 6505 | 16520 | 601 | 1225 | 127 | 303 | 728 | 1528 |
| 6 | Idukki | 934 | 1938 | 162 | 417 | 1096 | 2355 | 1078 | 2875 | 278 | 639 | 1356 | 3514 |
| 7 | Eranakulam | 17128 | 31019 | 81 | 64 | 17209 | 31083 | 3132 | 5351 | 121 | 179 | 3253 | 5530 |
| 8 | Thrissur | 3741 | 8026 | 164 | 255 | 3905 | 8281 | 17185 | 31723 | 1910 | 2330 | 19095 | 34053 |
| 9 | Palakkad | 12758 | 31945 | 1108 | 2151 | 13866 | 34096 | 31313 | 71962 | 10551 | 17156 | 41864 | 89118 |
| 10 | Malappuram | 2635 | 5067 | 887 | 1303 | 3522 | 6370 | 7944 | 12488 | 4181 | 5742 | 12125 | 18230 |
| 11 | Kozhikode | 173 | 316 | 733 | 1234 | 906 | 1550 | 286 | 436 | 3777 | 3833 | 4063 | 4269 |
| 12 | Wayanad | - | - | 7583 | 17076 | 7583 | 17076 | - | - | 4160 | 8590 | 4460 | 8590 |
| 13 | Kannur | 615 | 1086 | 16 | 7 | 631 | 1093 | 4193 | 6864 | 94 | 114 | 4287 | 6978 |
| 14 | Kasaragod | 668 | 1495 | 2 | 4 | 670 | 1499 | 2000 | 3664 | 271 | 454 | 2271 | 4118 |
| 15 | STATE | 50827 | 112569 | 15511 | 32224 | 66338 | 144793 | 69069 | 139010 | 39307 | 62219 | 108376 | 201229 |

Table 3.13 Estimated area and production of Rice – summer – 1998-99 – Area in hectares and Production in Tonnes

| Sl.No. | Name of District | High Yielding | | | | | | Local varieties | | | | | |
|--------|--------------------|---------------|------------|--------------|------------|-------|------------|-----------------|------------|--------------|------------|-------|------------|
| | | Irrigated | | Un-Irrigated | | Total | | Irrigated | | Un-Irrigated | | Total | |
| | | Area | Production | Area | Production | Area | Production | Area | Production | Area | Production | Area | Production |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 1 | Thiruvananthapuram | - | - | - | - | - | - | 16 | 5 | - | - | 16 | 5 |
| 2 | Kollam | - | - | - | - | - | - | - | - | - | - | - | - |
| 3 | Pathanamthitta | 2513 | 8956 | 93 | 340 | 2606 | 9296 | 354 | 1128 | - | - | 354 | 1128 |
| 4 | Allappuzha | 19046 | 57993 | - | - | 19046 | 57993 | 12 | 20 | - | - | 12 | 20 |
| 5 | Kottayam | 3866 | 10996 | - | - | 3866 | 10996 | 17 | 34 | - | - | 17 | 34 |
| 6 | Idukki | 216 | 561 | 101 | 226 | 317 | 787 | - | - | 12 | 25 | 12 | 25 |
| 7 | Eranakulam | 11495 | 17655 | - | - | 11495 | 17655 | 950 | 1482 | 1 | 1 | 951 | 1483 |
| 8 | Thrissur | 3827 | 9145 | 458 | 1460 | 4285 | 10605 | 1176 | 1758 | 735 | 1870 | 1911 | 3628 |
| 9 | Palakkad | 768 | 1850 | 16 | 21 | 784 | 1871 | 5013 | 13712 | 25 | 36 | 5038 | 13748 |
| 10 | Malappuram | 1715 | 4375 | 34 | 90 | 1749 | 4465 | 126 | 213 | 7 | 19 | 133 | 232 |
| 11 | Kozhikode | 682 | 885 | 28 | 50 | 710 | 935 | 217 | 206 | 26 | 24 | 243 | 230 |
| 12 | Wayanad | 3264 | 8256 | 119 | 306 | 3383 | 8562 | 210 | 447 | 6 | 14 | 216 | 461 |
| 13 | Kannur | 78 | 104 | - | - | 78 | 104 | 181 | 203 | 36 | 40 | 217 | 243 |
| 14 | Kasaragod | 95 | 165 | - | - | 95 | 165 | 161 | 197 | 5 | 4 | 166 | 201 |
| | STATE | 47565 | 120941 | 849 | 2493 | 48414 | 123434 | 8433 | 19405 | 8530 | 2033 | 9286 | 21438 |

Table 3.14 - Estimated area and Production of Rice - Autumn 1999-2000.

| Sl. No | Name of District | Area in Hectares, Production in Tonnes. | | | | | | | | | | | |
|--------|--------------------|---|--------------|--------------|--------------|--------------|---------------|-----------------|--------------|--------------|--------------|--------------|--------------|
| | | High Yielding | | | | | | Local Varieties | | | | | |
| | | Irrigated | | Unirrigated | | Total | | Irrigated | | Unirrigated | | Total | |
| Area | Production | Area | Production | Area | Production | Area | Production | Area | Production | Area | Production | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 1 | Thiruvananthapuram | 239 | 502 | 2676 | 6102 | 2915 | 6604 | 482 | 1044 | 308 | 558 | 790 | 1602 |
| 2 | Kollam | | | 7462 | 15509 | 7462 | 15509 | | | 187 | 228 | 187 | 228 |
| 3 | Pathanamthitta | 35 | 82 | 504 | 979 | 539 | 1061 | | | 461 | 906 | 461 | 906 |
| 4 | Alappuzha | 7175 | 23687 | 725 | 819 | 7900 | 24506 | | | 333 | 270 | 333 | 270 |
| 5 | Kottayam | 2818 | 7577 | 565 | 1361 | 3383 | 8938 | | | 22 | 46 | 22 | 46 |
| 6 | Idukki | | | 866 | 2215 | 866 | 2215 | | | | | | |
| 7 | Ernakulam | 5792 | 10852 | 6500 | 13451 | 12292 | 24303 | 352 | 606 | 2823 | 6492 | 3175 | 7098 |
| 8 | Thrissur | 12 | 20 | 3552 | 7099 | 3564 | 7119 | 1 | 3 | 7778 | 14366 | 7779 | 14369 |
| 9 | Palakkad | 7210 | 18524 | 12398 | 24377 | 19608 | 42901 | 6519 | 16322 | 25558 | 46914 | 32077 | 63236 |
| 10 | Malappuram | 8 | 12 | 4174 | 8035 | 4182 | 8047 | 13 | 19 | 1649 | 2164 | 1662 | 2183 |
| 11 | Kozhikode | | | 383 | 608 | 383 | 608 | | | 298 | 249 | 298 | 249 |
| 12 | Wayanad | | | No | Paddy | | | | | | | | |
| 13 | Kannur | | | 4745 | 8324 | 4745 | 8324 | | | 2153 | 3274 | 2153 | 3274 |
| 14 | Kasaragod | 11 | 17 | 3098 | 6781 | 3109 | 6798 | | | 1640 | 2482 | 1640 | 2482 |
| | State | 23300 | 61273 | 47648 | 95660 | 70948 | 156933 | 7367 | 17994 | 43210 | 77949 | 50577 | 95943 |

Table 3.15 - Estimated area and Production of Rice - Winter 1999-2000.

| Sl. No | Name of District | Area in Hectares, Production in Tonnes. | | | | | | | | | | | |
|--------|--------------------|---|---------------|--------------|--------------|--------------|-----------------|--------------|---------------|--------------|--------------|--------------|---------------|
| | | High-Yielding | | | | | Local Varieties | | | | | | |
| | | Irrigated | | Unirrigated | | Total | Irrigated | | Unirrigated | | Total | | |
| Area | Production | Area | Production | Area | Production | Area | Production | Area | Production | Area | Production | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 1 | Thiruvananthapuram | 407 | 911 | 1708 | 4008 | 2115 | 4919 | 342 | 709 | 1757 | 3631 | 2099 | 4340 |
| 2 | Kollam | | | 3302 | 7105 | 3302 | 7105 | | | 6465 | 12228 | 6465 | 12228 |
| 3 | Pathanamthitta | 575 | 1489 | 612 | 1462 | 1187 | 2951 | 1289 | 2609 | 204 | 445 | 1493 | 3054 |
| 4 | Alappuzha | 9173 | 25679 | 558 | 771 | 9731 | 26450 | | | 958 | 1143 | 958 | 1143 |
| 5 | Kottayam | 5205 | 12325 | 10 | 19 | 5215 | 12344 | 366 | 776 | 7 | 7 | 373 | 783 |
| 6 | Idukki | 1312 | 3100 | 83 | 212 | 1395 | 3312 | 703 | 1687 | 291 | 720 | 994 | 2407 |
| 7 | Eranakulam | 15565 | 30006 | 125 | 229 | 15690 | 30235 | 1783 | 3239 | 217 | 384 | 2000 | 3623 |
| 8 | Thrissur | 7705 | 20376 | 206 | 415 | 7911 | 20791 | 14382 | 28077 | 1329 | 2264 | 15711 | 30341 |
| 9 | Palakkad | 20690 | 58159 | 1704 | 3706 | 22394 | 61865 | 21474 | 47572 | 6862 | 13855 | 28336 | 61427 |
| 10 | Malappuram | 3055 | 5884 | 1072 | 2060 | 4127 | 7944 | 6764 | 10903 | 4549 | 6830 | 11313 | 17733 |
| 11 | Kozhikode | 218 | 366 | 537 | 834 | 755 | 1200 | 912 | 1266 | 3230 | 3857 | 4142 | 5123 |
| 12 | Wayanad | 916 | 2254 | 8313 | 22922 | 9229 | 25176 | 301 | 638 | 5024 | 11969 | 5325 | 12607 |
| 13 | Kannur | 1242 | 2583 | 237 | 380 | 1479 | 2963 | 2838 | 4636 | 231 | 269 | 3069 | 4905 |
| 14 | Kasaragod | 1219 | 2478 | 187 | 298 | 1406 | 2776 | 1860 | 3265 | 154 | 249 | 2014 | 3514 |
| | State | 67282 | 165610 | 18654 | 44421 | 85936 | 210031 | 53014 | 105377 | 31278 | 57851 | 84292 | 163228 |

Table 3.16 - Estimated area and Production of Rice - Summer 1999-2000.

| Sl. No | Name of District | High Yielding | | | | | | Local Varieties | | | | | |
|--------|--------------------|---------------|---------------|-------------|------------|--------------|---------------|-----------------|-------------|-------------|------------|-------------|-------------|
| | | Irrigated | | Unirrigated | | Total | | Irrigated | | Unirrigated | | Total | |
| | | Area | Production | Area | Production | Area | Production | Area | Production | Area | Production | Area | Production |
| | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 1 | Thiruvananthapuram | 50 | 85 | | | 50 | 85 | | | | | | |
| 2 | Kollam | 9 | 12 | 1 | 1 | 10 | 13 | | | | | | |
| 3 | Pathanamthitta | 2983 | 10530 | 21 | 33 | 3004 | 10563 | 32 | 104 | | | 32 | 104 |
| 4 | Alappuzha | 16337 | 39557 | 21 | 33 | 16358 | 39590 | 46 | 128 | | | 46 | 128 |
| 5 | Kottayam | 6803 | 19267 | | | 6803 | 19267 | 26 | 53 | | | 26 | 53 |
| 6 | Idukki | 159 | 409 | | | 159 | 409 | 226 | 713 | | | 226 | 713 |
| 7 | Eranakulam | 9407 | 16592 | | | 9407 | 16592 | 330 | 475 | | | 330 | 475 |
| 8 | Thrissur | 6845 | 17756 | 74 | 160 | 6919 | 17916 | 1003 | 1673 | | | 1003 | 1673 |
| 9 | Palakkad | 5826 | 17230 | 2 | 1 | 5828 | 17231 | 1461 | 4251 | | | 1461 | 4251 |
| 10 | Malappuram | 2120 | 6090 | 4 | 5 | 2124 | 6095 | 87 | 115 | | | 87 | 115 |
| 11 | Kozhikode | 702 | 1266 | 5 | 6 | 707 | 1272 | 179 | 219 | 31 | 49 | 210 | 268 |
| 12 | Wayanad | 2576 | 6640 | 10 | 22 | 2586 | 6662 | 152 | 300 | 12 | 16 | 164 | 316 |
| 13 | Kannur | 69 | 121 | 3 | 5 | 72 | 126 | 182 | 194 | 10 | 14 | 192 | 208 |
| 14 | Kasaragod | 79 | 170 | | | 79 | 170 | 138 | 256 | | | 138 | 256 |
| | State | 53965 | 135725 | 141 | 266 | 54106 | 135991 | 3862 | 8481 | 53 | 79 | 3915 | 8560 |

Table 3.17— Net area irrigated (Source-wise) 1998-99

| District | Area in Hectares | | | | | | | | | Total |
|-----------------------|------------------|---------------|------------------|---------------|------------------|---------------|-----------------------|---------------|--------|-------|
| | Government canal | Private canal | Government tanks | Private tanks | Government wells | Private wells | Minor lift irrigation | Other sources | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| 1. Thiruvananthapuram | 2564 | 28 | 242 | 108 | | 451 | | 547 | 3940 | |
| 2. Kollam | 25 | 18 | | 182 | | 926 | | 720 | 1871 | |
| 3. Pathanamthitta | 964 | 88 | | 76 | 8 | 521 | 13 | 2936 | 4606 | |
| 4. Alappuzha | 3391 | 15 | 6 | 12245 | | 4394 | 687 | 23754 | 44492 | |
| 5. Kottayam | 1330 | 4 | | 289 | | 415 | | 8457 | 10495 | |
| 6. Idukki | 4085 | 1 | 73 | 3689 | | 1102 | 2 | 9650 | 18602 | |
| 7. Ernakulam | 18793 | 241 | 200 | 910 | 253 | 8655 | 5729 | 6680 | 41461 | |
| 8. Thrissur | 17730 | 60 | 124 | 9963 | 9 | 36136 | 3304 | 16749 | 84075 | |
| 9. Palakkad | 43146 | 135 | 76 | 2666 | 40 | 12494 | 1093 | 5894 | 65544 | |
| 10. Malappuram | 455 | 218 | 40 | 4996 | | 11525 | 634 | 10384 | 28252 | |
| 11. Kozhikode | 1664 | 367 | | 392 | | 1707 | 196 | 813 | 5139 | |
| 12. Wayanad | 397 | 428 | | 3 | | | 187 | 3332 | 4347 | |
| 13. Kannur | 98 | 878 | 117 | 1933 | 29 | 10624 | 79 | 8002 | 21760 | |
| 14. Kasaragod | 1 | 1 | 112 | 9090 | 63 | 17861 | 13 | 12784 | 39925 | |
| State | 94643 | 2482 | 990 | 46542 | 402 | 106811 | 11937 | 110702 | 374509 | |

Table 3.18 – Net area irrigated (Source-wise) 1999-2000

| District | (Area in Hectares) | | | | | | | | | Total |
|-----------------------|--------------------|---------------|------------------|---------------|------------------|---------------|-----------------------|---------------|--------|-------|
| | Government canal | Private canal | Government tanks | Private tanks | Government wells | Private wells | Minor lift irrigation | Other sources | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| 1. Thiruvananthapuram | 2565 | 421 | 192 | 52 | 390 | 205 | 8 | 205 | 3833 | |
| 2. Kollam | 49 | 6 | 4 | 146 | 904 | 220 | 21 | 220 | 1350 | |
| 3. Pathanamthitta | 831 | | 17 | 135 | 3 | 919 | 9 | 4935 | 6849 | |
| 4. Alappuzha | 4415 | 19 | 24 | 11728 | 2374 | 441 | | 23715 | 42275 | |
| 5. Kottayam | 1113 | 7 | | 251 | | 1381 | | 13841 | 15653 | |
| 6. Idukki | 298 | 27 | | 2214 | | 1381 | 463 | 8252 | 12635 | |
| 7. Ernakulam | 10708 | 234 | 868 | 1834 | 624 | 10010 | 3583 | 6334 | 34195 | |
| 8. Thrissur | 17409 | 107 | 569 | 10069 | 539 | 40570 | 2900 | 14565 | 86728 | |
| 9. Palakkad | 39657 | 502 | 19 | 3719 | | 12909 | 693 | 7558 | 65057 | |
| 10. Malappuram | 1013 | 521 | 37 | 5002 | 11 | 13403 | 905 | 12576 | 33468 | |
| 11. Kozhikode | 1119 | 1118 | | 419 | | 2561 | 4 | 776 | 5997 | |
| 12. Wayanad | 353 | 200 | | 28 | | 14 | 219 | 2826 | 3640 | |
| 13. Kannur | 1701 | 1556 | 36 | 1737 | 156 | 13673 | | 5691 | 24550 | |
| 14. Kasaragod | | 85 | 66 | 13766 | 14 | 20709 | | 9173 | 43813 | |
| State | 81231 | 4803 | 1832 | 51100 | 1347 | 120258 | 8805 | 110667 | 380043 | |

Table 3.19 - Gross area under irrigation (crop-wise) 1998-99

| Districts | Paddy | Tubers | Vege- tables | Coconut | Areca nut | Cloves & nutmeg | Other spices condiments | Banana | Betel leaves | Sugar cane | Other trees | [Area in Hectares] | |
|----------------------------|--------|--------|-----------------|---------|-----------|-----------------------|-------------------------------|--------|-----------------|---------------|----------------|--------------------|---------|
| | | | | | | | | | | | | Total | Remarks |
| 12 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1. Thiruvanan- thapuram | 1652 | 23 | 603 | 854 | 2 | 37 | 53 | 1152 | 37 | 2 | 1177 | 5592 | |
| 2. Kollam | | 16 | 945 | 1031 | 28 | 30 | 18 | 107 | 58 | | 664 | 2897 | |
| 3. Pathanamthitta | 4236 | 7 | 457 | 2 | 1 | 77 | 9 | 281 | 74 | 227 | 47 | 5418 | |
| 4. Alappuzha | 29751 | 542 | 615 | 17563 | 68 | 89 | 573 | 89 | 36 | 192 | 640 | 50158 | |
| 5. Kottayam | 13617 | 14 | 342 | 165 | 21 | 314 | 123 | 76 | 9 | 137 | 704 | 15522 | |
| 6. Idukki | 2228 | 7 | 18 | 566 | 169 | 80 | 230 | 297 | 2 | 2894 | 531 | 7022 | |
| 7. Ernakulam | 40828 | 9 | 407 | 15608 | 1282 | 849 | 117 | 1466 | 34 | 12 | 681 | 61293 | |
| 8. Thrissur | 26195 | 39 | 765 | 45022 | 4926 | 159 | 673 | 1876 | 55 | | 762 | 80472 | |
| 9. Palakkad | 53027 | 16 | 1049 | 12694 | 1850 | 81 | 676 | 2278 | 6 | 2653 | 2215 | 76545 | |
| 10. Malappuram | 12420 | 152 | 928 | 14033 | 5012 | 29 | 105 | 2124 | 515 | 6 | 954 | 36278 | |
| 11. Kozhikode | 1358 | 9 | 430 | 5485 | 430 | 13 | 7 | 552 | 21 | 15 | 1116 | 9436 | |
| 12. Wayanad | 3474 | 3 | 130 | 38 | 10 | 9 | 5 | 55 | | | 986 | 4710 | |
| 13. Kannur | 5067 | 31 | 69 | 16703 | 3419 | 24 | 114 | 706 | 15 | 20 | 967 | 27135 | |
| 14. Kasaragod | 3074 | 19 | 291 | 23153 | 9580 | 13 | 121 | 676 | 19 | 2 | 1418 | 38366 | |
| State | 196927 | 887 | 7049 | 152917 | 26798 | 1804 | 2824 | 11735 | 881 | 6160 | 12862 | 420844 | |

Table 3.20 - Gross area under irrigation (crop-wise) 1999-2000

| Districts | [Area in Hectares] | | | | | | | | | | |
|----------------------------|--------------------|------------|-----------------|---------------|--------------|--------------------|----------------------------|--------------|-----------------|---------------|----------------|
| | Paddy | Tubers | Vege- tables | Coconut | Arecanut | Cloves & nutmeg | Other spices condiments | Banana | Betel leaves | Sugar cane | Other trees |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1. Thiruvanan- thapuram | 1520 | 25 | 620 | 656 | 2 | 143 | 55 | 1412 | 33 | | 1202 |
| 2. Kollam | 9 | 18 | 960 | 672 | 26 | 98 | 21 | 87 | 53 | | 738 |
| 3. Pathanamthitta | 4914 | 8 | 470 | 346 | 10 | 81 | 12 | 821 | 78 | 230 | 152 |
| 4. Alappuzha | 32731 | 546 | 635 | 18490 | 133 | 154 | 602 | 70 | 42 | 92 | 736 |
| 5. Kottayam | 15218 | 15 | 350 | 259 | 22 | 410 | 135 | 234 | 15 | 81 | 789 |
| 6. Idukki | 2400 | 8 | 22 | 98 | 25 | 118 | 243 | 636 | 1 | 2624 | 6589 |
| 7. Ernakulam | 33229 | 11 | 420 | 16547 | 1527 | 933 | 124 | 2333 | 42 | 15 | 765 |
| 8. Thrissur | 29948 | 46 | 951 | 53804 | 5649 | 192 | 707 | 2617 | 35 | 1 | 877 |
| 9. Palakkad | 63180 | 21 | 1197 | 17047 | 2079 | 97 | 703 | 3619 | 4 | 2713 | 2547 |
| 10. Malappuram | 12047 | 165 | 1185 | 16371 | 6515 | 48 | 112 | 4281 | 664 | 4 | 1050 |
| 11. Kozhikode | 2011 | 12 | 470 | 2979 | 425 | 22 | 8 | 919 | 25 | 13 | 1225 |
| 12. Wayanad | 3945 | 3 | 138 | 190 | 20 | 21 | 7 | 68 | 1 | 1 | 1010 |
| 13. Kannur | 4331 | 32 | 80 | 16765 | 2686 | 51 | 115 | 1048 | 9 | 4 | 1005 |
| 14. Kasaragod | 3307 | 21 | 315 | 25670 | 12996 | 39 | 123 | 647 | 22 | 2 | 1500 |
| State | 208790 | 931 | 7813 | 169894 | 32115 | 2407 | 2967 | 18792 | 1024 | 5780 | 20185 |

Table 3.21 Average Farm Price of Important Commodities 1998-99

| Sl.No | Name of District | Paddy Ql. | Coconut 100 Nos. | Arecanut 100 Nos. | Tapioca Ql. | Cashew nut Ql. | Baanana 100 Nos. | Black Pepper Ql. | Ginger Ql. | Sugar can MT |
|-------|--------------------|--------------|---------------------|----------------------|----------------|-------------------|---------------------|------------------------|---------------|-----------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 | Thiruvananthapuram | 623.40 | 425.83 | 84.67 | 366.98 | 3428.33 | 191.75 | 18252.08 | 5980.00 | |
| 2 | Kollam | 580.80 | 493.25 | 63.70 | 296.03 | 3492.50 | 188.75 | 18038.68 | 4937.50 | |
| 3 | Pathanamthitta | 575.83 | 467.42 | 68.49 | 326.57 | 3284.00 | 180.24 | 18493.33 | 5765.80 | 470.00 |
| 4 | Allappuzha | 600.10 | 460.85 | 59.67 | 317.05 | 3162.50 | 162.99 | 15700.00 | 5650.00 | |
| 5 | Kottayam | 603.45 | 474.21 | 64.13 | 330.75 | 3860.00 | 170.01 | 18471.67 | 5520.83 | |
| 6 | Idukki | 681.18 | 484.06 | 59.47 | 310.28 | 3395.83 | 158.09 | 18548.44 | 5701.91 | |
| 7 | Eranakulam | 595.46 | 467.80 | 58.25 | 277.02 | 3598.67 | 161.45 | 17663.90 | 5470.14 | |
| 8 | Thrissur | 616.88 | 442.78 | 73.82 | 306.13 | 3697.92 | 177.93 | 18120.30 | - | |
| 9 | Palakkad | 633.96 | 424.21 | 50.35 | 270.54 | 3983.50 | 147.40 | 18029.03 | 5987.50 | 635.03 |
| 10 | Malappuram | 617.74 | 402.61 | 56.60 | 263.78 | 3351.66 | 153.11 | 18270.83 | - | |
| 11 | Kozhikode | 775.83 | 441.11 | 62.45 | 323.68 | 3479.08 | 160.27 | 18902.92 | 5695.42 | |
| 12 | Wayanad | 634.38 | 500.72 | 57.30 | 285.28 | 2931.25 | 140.62 | 18090.28 | 5302.72 | |
| 13 | Kannur | 612.39 | 404.31 | 66.58 | 359.13 | 4045.83 | 171.54 | 18296.53 | 5862.50 | |
| 14 | Kasaragod | 621.62 | 450.00 | 82.08 | 347.27 | 3815.00 | 175.15 | 18090.21 | - | |
| | STATE | 626.64 | 452.80 | 64.78 | 312.89 | 3537.58 | 167.09 | | 5624.94 | 552.50 |

Table 3.22 Average Farm Price of Important Commodities 1999-2000

| Sl. No | Name of District | Paddy Qtl. | Coconut 100 Nos. | Arecanut 100 Nos. | Tapioca Qtl. | Cashew nut Qtl. | Banana Qtl. | Black Pepper Qtl. | Ginger Dry Qtl. | Sugar can MT |
|--------|--------------------|------------|------------------|-------------------|--------------|-----------------|-------------|-------------------|-----------------|--------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 | Thiruvananthapuram | 661.56 | 442.19 | 92.78 | 392.87 | 3795.83 | 993.77 | 20061.29 | - | - |
| 2 | Kollam | 637.64 | 525.88 | 75.84 | 363.91 | 3747.00 | 976.25 | 19671.88 | 6358.33 | - |
| 3 | Pathanamthitta | 643.83 | 495.58 | 71.08 | 358.96 | 3292.50 | 960.67 | 20910.42 | 6979.17 | - |
| 4 | Allappuzha | 679.04 | 470.87 | 73.00 | 356.77 | 3314.58 | 854.24 | 19875.00 | - | - |
| 5 | Kottayam | 676.76 | 505.21 | 74.19 | 393.75 | 3234.72 | 968.40 | 20648.33 | 6400.00 | - |
| 6 | Idukki | 722.99 | 553.34 | 82.56 | 412.29 | 3225.00 | 850.78 | 21091.17 | 6699.31 | - |
| 7 | Eranakulam | 678.36 | 485.14 | 70.50 | 358.64 | 3588.12 | 857.12 | 20726.74 | 6486.50 | - |
| 8 | Thrissur | 678.09 | 446.79 | 98.83 | 365.96 | 3875.83 | 933.54 | 20492.08 | - | - |
| 9 | Palakkad | 681.08 | 431.88 | 69.00 | 298.75 | 3687.75 | 767.04 | 20042.68 | 6300.17 | 662.38 |
| 10 | Malappuram | 709.50 | 435.21 | 72.21 | 296.39 | 3966.83 | 846.32 | 20326.80 | - | - |
| 11 | Kozhikode | 795.45 | 449.79 | 65.24 | 397.53 | 3893.33 | 872.43 | 20470.48 | 6282.12 | - |
| 12 | Wayanad | 676.25 | 496.11 | 43.69 | 359.51 | 3360.00 | 675.07 | 21240.94 | 5672.77 | - |
| 13 | Kannur | 670.77 | 436.67 | 68.51 | 415.63 | 4122.50 | 868.68 | 20757.64 | 6364.79 | - |
| 14 | Kasaragod | 670.73 | 491.04 | 96.04 | 382.33 | 3835.00 | 926.04 | 20770.83 | - | - |
| | STATE | 684.43 | 476.12 | 75.25 | 368.09 | 3638.50 | 882.17 | 20506.16 | 6393.68 | 662.38 |

Table 3.23 Other Agricultural Wages 1998-99

| District | Carpenter (Rupees) | | | | | | | | | | | | |
|--------------------|--------------------|-------------|-----------|--------------|----------|-----------|--------------|----------|-------------|-------------|-----------|------------|---------------|
| | July 2 | August 3 | Sept 4 | October 5 | Nov 6 | Decr 7 | January 8 | Feb 9 | March 10 | April 11 | May 12 | June 13 | Average 14 |
| Thiruvananthapuram | 140.00 | 140.00 | 140.00 | 140.00 | 150.00 | 150.00 | 150.00 | 155.00 | 160.00 | 160.00 | 160.00 | 160.00 | 150.40 |
| Kollam | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 |
| Pathanamthitta | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 |
| Allappuzha | 152.00 | 152.00 | 157.50 | 164.50 | 164.50 | 164.50 | 169.50 | 169.50 | 169.50 | 174.50 | 174.50 | 174.50 | 165.60 |
| Kottayam | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 |
| Idukki | 120.00 | 120.00 | 120.00 | 120.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 133.30 |
| Eranakulam | 162.50 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 151.00 |
| Thrissur | 167.50 | 167.50 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 172.50 | 177.50 | 177.50 | 185.00 | 185.00 | 173.50 |
| Palakkad | 112.50 | 117.50 | 117.50 | 117.50 | 117.50 | 117.50 | 117.50 | 117.50 | 117.50 | 117.50 | 117.50 | 117.50 | 117.10 |
| Malappuram | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 |
| Kozhikode | 150.00 | 150.00 | 157.00 | 157.00 | 162.50 | 162.50 | 162.50 | 162.50 | 162.50 | 162.50 | 162.50 | 162.50 | 159.60 |
| Kannur | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 |
| Kasaragod | 145.00 | 145.00 | 145.00 | 145.00 | 145.00 | 145.00 | 145.00 | 145.00 | 145.00 | 145.00 | 145.00 | 145.00 | 145.00 |
| Average | | | | | | | | | | | | | 155.42 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Thiruvananthapuram | 140.00 | 140.00 | 140.00 | 140.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 146.70 |
| Kollam | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 |
| Pathanamthitta | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 |
| Allappuzha | 152.00 | 152.00 | 159.50 | 164.50 | 164.50 | 164.50 | 169.50 | 169.50 | 169.50 | 174.50 | 174.50 | 174.50 | 165.75 |
| Kottayam | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 |
| Idukki | 120.00 | 120.00 | 120.00 | 120.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 133.30 |
| Eranakulam | 162.50 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 151.00 |
| Thrissur | 160.00 | 165.00 | 172.50 | 172.50 | 172.50 | 172.50 | 172.50 | 172.50 | 177.50 | 177.50 | 185.00 | 185.00 | 173.75 |
| Palakkad | 117.50 | 117.50 | 117.50 | 117.50 | 117.50 | 117.50 | 117.50 | 117.50 | 117.50 | 117.50 | 117.50 | 117.50 | 117.50 |
| Malappuram | 163.50 | 163.50 | 163.50 | 163.50 | 163.50 | 163.50 | 163.50 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 166.20 |
| Kozhikode | 147.50 | 147.50 | 152.50 | 152.50 | 162.50 | 162.50 | 162.50 | 162.50 | 162.50 | 162.50 | 162.50 | 162.50 | 158.30 |
| Kannur | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 |
| Kasaragod | 145.00 | 145.00 | 145.00 | 145.00 | 145.00 | 145.00 | 145.00 | 145.00 | 145.00 | 145.00 | 145.00 | 145.00 | 145.00 |
| Average | | | | | | | | | | | | | 154.80 |

Paddy Field Labour (1) MEN

| District | July | August | Sept. | October. | Nov | Decr | January | Feb | March | April | May | June | Average |
|--------------------|--------|--------|--------|----------|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 1 | | | | | | | | | | | | | |
| Thiruvananthapuram | 115.00 | 115.00 | 115.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 119.60 |
| Kollam | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 |
| Pathanamthitta | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 |
| Allappuzha | 100.00 | 100.00 | 112.50 | 112.50 | 112.50 | 112.50 | 122.50 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 116.25 |
| Kottayam | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 |
| Idukki | 60.00 | 60.00 | 60.00 | 60.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 66.70 |
| Ernakulam | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 |
| Thrissur | 125.00 | 125.00 | 127.50 | 127.50 | 127.50 | 127.50 | 127.50 | 130.00 | 155.00 | 152.50 | 152.50 | 162.50 | 136.70 |
| Palakkad | 77.50 | 77.50 | 77.50 | 77.50 | 77.50 | 77.50 | 77.50 | 77.50 | 77.50 | 77.50 | 77.50 | 77.50 | 77.50 |
| Malappuram | 125.00 | 130.00 | 130.00 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 131.50 |
| Kozhikode | 112.50 | 112.50 | 117.50 | 117.50 | 117.50 | 117.50 | 117.50 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 117.50 |
| Kannur | 115.00 | 115.00 | 115.00 | 115.00 | 115.00 | 115.00 | 115.00 | 115.00 | 115.00 | 115.00 | 115.00 | 115.00 | 115.00 |
| Kasaragod | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 110.00 | 110.00 | 76.70 |
| Average | | | | | | | | | | | | | 111.76 |

WOMEN

| District | July | August | Sept. | October. | Nov | Decr | January | Feb | March | April | May | June | Average |
|--------------------|-------|--------|-------|----------|--------|--------|---------|-------|-------|--------|--------|--------|---------|
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 1 | | | | | | | | | | | | | |
| Thiruvananthapuram | 72.50 | 75.00 | 75.00 | 90.00 | 102.50 | 95.00 | 85.00 | 95.00 | 95.00 | 95.00 | 95.00 | 95.00 | 89.20 |
| Kollam | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 |
| Pathanamthitta | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 |
| Allappuzha | 55.00 | 55.00 | 65.00 | 65.00 | 65.00 | 65.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 65.80 |
| Kottayam | 65.00 | 65.00 | 65.00 | 65.00 | 65.00 | 65.00 | 65.00 | 65.00 | 65.00 | 65.00 | 65.00 | 65.00 | 65.00 |
| Idukki | 45.00 | 45.00 | 45.00 | 45.00 | 45.00 | 45.00 | 45.00 | 45.00 | 45.00 | 45.00 | 45.00 | 45.00 | 45.00 |
| Ernakulam | 90.00 | 90.00 | 90.00 | 97.50 | 97.50 | 105.00 | 105.00 | 97.50 | 85.00 | 105.00 | 105.00 | 97.50 | 97.10 |
| Thrissur | 72.50 | 72.50 | 72.50 | 72.50 | 72.50 | 72.50 | 72.50 | 75.50 | 97.50 | 97.50 | 102.50 | 102.50 | 81.90 |
| Palakkad | 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 |
| Malappuram | 95.00 | 95.00 | 95.00 | 95.00 | 95.00 | 95.00 | 95.00 | 95.00 | 95.00 | 95.00 | 95.00 | 95.00 | 95.00 |
| Kozhikode | 85.00 | 85.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 90.00 | 89.20 |
| Kannur | 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 |
| Kasaragod | | | | | | | | | | | | | |
| Average | | | | | | | | | | | | | |

Table 3.24 Other Agricultural Labour 1998-99 (MEN)

| District | MEN | | | | | | | | | | | | Average |
|--------------------|-----------|-------------|-----------|--------------|----------|-----------|--------------|----------|-------------|-------------|-----------|------------|---------------|
| | July 2 | August 3 | Sept 4 | October 5 | Nov 6 | Dece 7 | January 8 | Feb 9 | March 10 | April 11 | May 12 | June 13 | |
| Thiruvananthapuram | 130.00 | 127.50 | 127.50 | 127.50 | 127.50 | 137.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 131.04 |
| Kollam | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 |
| Pathanamthitta | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 |
| Allappuzha | 107.00 | 107.00 | 107.00 | 107.00 | 107.00 | 107.00 | 119.50 | 119.50 | 119.50 | 119.50 | 119.50 | 119.50 | 113.50 |
| Kottayam | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 |
| Idukki | 60.00 | 60.00 | 60.00 | 60.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 66.67 |
| Ernakulam | 112.50 | 112.50 | 112.50 | 112.50 | 112.50 | 112.50 | 112.50 | 112.50 | 112.50 | 112.50 | 112.50 | 112.50 | 112.50 |
| Thrissur | 137.50 | 132.50 | 137.50 | 135.00 | 137.50 | 137.50 | 137.50 | 137.50 | 149.50 | 152.50 | 152.50 | 152.50 | 141.63 |
| Palakkad | 77.50 | 77.50 | 77.50 | 77.50 | 77.50 | 77.50 | 77.50 | 77.50 | 77.50 | 77.50 | 77.50 | 77.50 | 77.50 |
| Malappuram | 125.00 | 130.00 | 140.00 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.29 |
| Kozhikode | 112.50 | 112.50 | 117.50 | 117.50 | 117.50 | 117.50 | 117.50 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 117.71 |
| Kannur | 75.00 | 80.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.42 |
| Kasaragod | 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 |
| Average | | | | | | | | | | | | | 108.31 |

| District | (WOMEN) | | | | | | | | | | | | Average |
|--------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | |
| Thiruvananthapuram | 100.00 | 112.50 | 112.50 | 125.00 | 120.00 | 120.00 | 130.00 | 120.00 | 130.00 | 150.00 | 120.00 | 120.00 | 121.67 |
| Kollam | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 150.00 | 150.00 | 150.00 | 131.25 |
| Pathanamthitta | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| Allappuzha | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Kottayam | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 |
| Idukki | 50.00 | 50.00 | 60.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 |
| Ernakulam | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 |
| Thrissur | 95.00 | 95.00 | 95.00 | 95.00 | 95.00 | 95.00 | 87.50 | 95.00 | 120.00 | 122.50 | 110.00 | 110.00 | 101.25 |
| Palakkad | 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 |
| Malappuram | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| Kozhikode | 137.50 | 137.50 | 145.00 | 145.00 | 160.00 | 155.00 | 155.00 | 155.00 | 155.00 | 155.00 | 155.00 | 155.00 | 150.83 |
| Kannur | 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 |
| Kasaragod | 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 |
| Average | | | | | | | | | | | | | 93.00 |

Table 3.25 Other Agricultural Wages 1999-2000

| Skilled Labour District | (1) Carpenter (in Rupees) | | | | | | | | | | | | Average |
|-------------------------|---------------------------|--------|-----------|---------|----------|----------|---------|----------|--------|--------|--------|--------|---------|
| | 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 |
| Thiruvananthapuram | 160.00 | 160.00 | 160.00 | 162.50 | 165.00 | 165.00 | 172.50 | 172.50 | 172.50 | 172.50 | 172.50 | 172.50 | 167.30 |
| Kollam | 170.00 | 170.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 174.20 |
| Pathanamthitta | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 200.00 | 200.00 | 200.00 | 200.00 | 200.00 | 200.00 | 187.50 |
| Allappuzha | 174.50 | 174.50 | 174.50 | 174.50 | 174.50 | 177.00 | 177.00 | 177.00 | 177.00 | 177.00 | 177.00 | 177.00 | 176.50 |
| Kottayam | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 200.00 | 200.00 | 200.00 | 177.50 |
| Idukki | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 150.00 | 150.00 | 150.00 | 142.50 |
| Eranakulam | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 160.00 | 160.00 | 175.00 | 175.00 | 155.80 |
| Thrissur | 185.00 | 197.50 | 197.50 | 197.50 | 197.50 | 197.50 | 202.50 | 202.50 | 202.50 | 202.50 | 202.50 | 202.50 | 199.00 |
| Palakkad | 117.50 | 117.50 | 122.50 | 122.50 | 122.50 | 122.50 | 122.50 | 122.50 | 122.50 | 127.50 | 127.50 | 127.50 | 122.90 |
| Malappuram | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 175.00 | 175.00 | 190.00 | 172.50 |
| Kozhikode | 162.50 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 172.50 | 172.50 | 172.50 | 172.50 | 172.50 | 172.50 | 170.60 |
| Kannur | 140.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 160.00 | 150.00 | 150.00 | 150.00 | 149.20 |
| Kasaragod | 145.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 160.00 | 160.00 | 160.00 | 160.00 | 170.00 | 154.60 |
| Average | | | | | | | | | | | | | 165.35 |

| MASON | (1) Carpenter (in Rupees) | | | | | | | | | | | | Average |
|--------------------|---------------------------|--------|-----------|---------|----------|----------|---------|----------|--------|--------|--------|--------|---------|
| | 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 |
| Thiruvananthapuram | 150.00 | 150.00 | 160.00 | 160.00 | 160.00 | 160.00 | 172.50 | 172.50 | 172.50 | 172.50 | 172.50 | 172.50 | 164.60 |
| Kollam | 170.00 | 170.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 174.20 |
| Pathanamthitta | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 175.00 | 200.00 | 200.00 | 200.00 | 200.00 | 200.00 | 185.40 |
| Allappuzha | 174.50 | 174.50 | 174.50 | 174.50 | 174.50 | 177.00 | 177.00 | 177.00 | 177.00 | 177.00 | 177.00 | 177.00 | 176.00 |
| Kottayam | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 200.00 | 200.00 | 200.00 | 177.50 |
| Idukki | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 140.00 | 150.00 | 150.00 | 150.00 | 142.50 |
| Eranakulam | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 160.00 | 160.00 | 162.50 | 162.50 | 153.75 |
| Thrissur | 185.00 | 197.50 | 197.50 | 197.50 | 197.50 | 197.50 | 202.50 | 202.50 | 202.50 | 202.50 | 202.50 | 202.50 | 199.00 |
| Palakkad | 117.50 | 117.50 | 122.50 | 122.50 | 122.50 | 122.50 | 122.50 | 122.50 | 122.50 | 127.50 | 127.50 | 127.50 | 122.90 |
| Malappuram | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 |
| Kozhikode | 162.50 | 170.00 | 170.00 | 170.00 | 170.00 | 170.00 | 172.50 | 172.50 | 172.50 | 172.50 | 172.50 | 172.50 | 170.60 |
| Kannur | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 |
| Kasaragod | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 160.00 | 160.00 | 160.00 | 160.00 | 170.00 | 155.00 |
| Average | | | | | | | | | | | | | 164.70 |

Table 3.26 Other Agriculture Labour - MEN

| District | MEN | | | | | | | | | | | | | |
|--------------------|--------|--------|-----------|---------|----------|----------|---------|----------|--------|--------|--------|--------|---------|--|
| | 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 | |
| Thiruvananthapuram | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | |
| Kollam | 125.00 | 125.00 | 125.00 | 125.00 | 130.00 | 130.00 | 130.00 | 130.00 | 130.00 | 130.00 | 130.00 | 130.00 | 128.33 | |
| Pathanamthitta | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | |
| Allappuzha | 127.00 | 127.00 | 127.00 | 127.00 | 139.50 | 139.50 | 152.00 | 152.00 | 152.00 | 152.00 | 152.00 | 152.00 | 141.50 | |
| Kottayam | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 150.00 | 150.00 | 150.00 | 127.50 | |
| Idukki | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 80.00 | 80.00 | 80.00 | 72.50 | |
| Eranakulam | 112.50 | 112.50 | 120.00 | 120.00 | 120.00 | 120.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 121.25 | |
| Thrissur | 152.50 | 152.50 | 152.50 | 152.50 | 152.50 | 152.50 | 152.50 | 152.50 | 152.50 | 152.50 | 152.50 | 152.50 | 152.50 | |
| Palakkad | 77.50 | 77.50 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 80.00 | 82.50 | 82.50 | 82.50 | 80.21 | |
| Malappuram | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | |
| Kozhikode | 120.00 | 127.50 | 127.50 | 127.50 | 127.50 | 127.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 132.50 | 129.38 | |
| Kannur | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 | 85.00 | |
| Kasaragod | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 70.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 72.10 | |
| Average | | | | | | | | | | | | | 115.40 | |

| District | WOMEN | | | | | | | | | | | | | |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | |
| Thiruvananthapuram | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 125.00 | 120.42 | |
| Kollam | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | |
| Pathanamthitta | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | |
| Allappuzha | - | - | - | - | - | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | 125.00 | |
| Kottayam | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 125.00 | 125.00 | 121.25 | |
| Idukki | 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 | |
| Eranakulam | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 | 122.50 | 135.00 | 135.00 | 135.00 | 137.50 | 137.50 | 121.88 | |
| Thrissur | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 | 110.00 | 115.00 | 115.00 | 127.50 | 112.30 | |
| Palakkad | 40.00 | 45.00 | 45.00 | 45.00 | 45.00 | 45.00 | 45.00 | 45.00 | 45.00 | 45.00 | 45.00 | 45.00 | 44.58 | |
| Malappuram | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | |
| Kozhikode | 155.00 | 160.00 | 160.00 | 160.00 | 160.00 | 160.00 | 162.50 | 162.50 | 162.50 | 162.50 | 162.50 | 162.50 | 160.83 | |
| Kannur | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | |
| Kasaragod | 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 | |
| Average | | | | | | | | | | | | | 101.25 | |

PART - IV**Consumer Price Index No. of various centres**

| Sl. No | Centre | Yearly average Consumer Price Index | | Percentage change |
|--------|--------------------|-------------------------------------|------|-------------------|
| | | 1998 | 1999 | |
| 1 | Thiruvananthapuram | 990 | 1046 | 5.66 |
| 2 | Kollam | 995 | 1044 | 4.92 |
| 3 | Punalur | 939 | 995 | 1.70 |
| 4 | Alappuzha | 975 | 1043 | 6.98 |
| 5 | Kottayam | 964 | 1034 | 7.26 |
| 6 | Mundakkayam | 940 | 1000 | 6.38 |
| 7 | Munnar | 926 | 999 | 7.88 |
| 8 | Eranakulam | 947 | 1003 | 5.91 |
| 9 | Chalakkudy | 988 | 1063 | 7.59 |
| 10 | Thrissur | 958 | 1024 | 6.89 |
| 11 | Palakkad | 973 | 1034 | 6.37 |
| 12 | Malappuram | 974 | 1031 | 5.85 |
| 13 | Kozhikode | 954 | 1018 | 6.71 |
| 14 | Meppadi | 1009 | 1080 | 7.03 |
| 15 | Kannur | 975 | 1023 | 4.92 |

Table 4.1 Centre wise – Month wise Index for the year 1998 in Base 1970 = 100

| Centres | January | February | March | April | May | June | July |
|--------------------|---------|----------|-------|-------|------|------|------|
| Thiruvananthapuram | 969 | 973 | 975 | 978 | 982 | 987 | 992 |
| Kollam | 979 | 982 | 982 | 984 | 988 | 991 | 996 |
| Punalur | 918 | 922 | 925 | 929 | 934 | 938 | 942 |
| Alappuzha | 950 | 954 | 958 | 963 | 968 | 973 | 978 |
| Kottayam | 939 | 944 | 948 | 953 | 956 | 962 | 968 |
| Mundakkayam | 918 | 922 | 924 | 929 | 933 | 938 | 943 |
| Munnar | 903 | 907 | 910 | 913 | 917 | 922 | 928 |
| Eranakulam | 920 | 925 | 929 | 934 | 939 | 945 | 952 |
| Chalakkudy | 965 | 968 | 979 | 973 | 978 | 983 | 989 |
| Thrissur | 935 | 939 | 941 | 943 | 948 | 953 | 959 |
| Palakkad | 948 | 952 | 955 | 960 | 966 | 972 | 978 |
| Malappuram | 952 | 956 | 959 | 963 | 967 | 972 | 977 |
| Kozhikode | 928 | 931 | 933 | 938 | 944 | 951 | 958 |
| Meppadi | 984 | 989 | 993 | 998 | 1004 | 1010 | 1016 |
| Kannur | 956 | 960 | 962 | 965 | 968 | 973 | 978 |

| Centres | August | September | October | November | December | Average |
|--------------------|--------|-----------|---------|----------|----------|---------|
| Thiruvananthapuram | 995 | 999 | 1004 | 1009 | 1013 | 990 |
| Kollam | 1000 | 1003 | 1006 | 1010 | 1013 | 995 |
| Punalur | 943 | 945 | 950 | 957 | 961 | 939 |
| Alappuzha | 982 | 987 | 992 | 998 | 1002 | 975 |
| Kottayam | 971 | 975 | 979 | 983 | 985 | 964 |
| Mundakkayam | 945 | 947 | 952 | 960 | 965 | 940 |
| Munnar | 931 | 935 | 941 | 949 | 955 | 926 |
| Eranakulam | 955 | 960 | 964 | 969 | 972 | 947 |
| Chalakkudy | 993 | 998 | 1005 | 1013 | 1021 | 988 |
| Thrissur | 964 | 970 | 976 | 982 | 987 | 958 |
| Palakkad | 979 | 982 | 987 | 995 | 999 | 973 |
| Malappuram | 980 | 983 | 987 | 991 | 995 | 974 |
| Kozhikode | 964 | 969 | 974 | 979 | 982 | 954 |
| Meppadi | 1018 | 1020 | 1022 | 1026 | 1031 | 1009 |
| Kannur | 982 | 984 | 986 | 990 | 992 | 975 |

Table 4.2 Centre wise – Month wise Index for the year 1999 in Base 1970 = 100

| Centres | January | February | March | April | May | June | July |
|--------------------|---------|----------|-------|-------|------|------|------|
| Thiruvananthapuram | 1017 | 1025 | 1029 | 1036 | 1040 | 1046 | 1051 |
| Kollam | 1018 | 1022 | 1026 | 1034 | 1037 | 1041 | 1047 |
| Punalur | 965 | 970 | 975 | 983 | 987 | 992 | 998 |
| Alappuzha | 1006 | 1015 | 1021 | 1031 | 1036 | 1043 | 1051 |
| Kottayam | 992 | 1001 | 1010 | 1021 | 1027 | 1035 | 1043 |
| Mundakkayam | 969 | 977 | 984 | 996 | 1001 | 1007 | 1013 |
| Munnar | 960 | 968 | 974 | 985 | 990 | 998 | 1006 |
| Eranakulam | 976 | 982 | 987 | 995 | 999 | 1002 | 1008 |
| Chalakkudy | 1028 | 1035 | 1041 | 1053 | 1058 | 1064 | 1070 |
| Thrissur | 992 | 1000 | 1005 | 1015 | 1020 | 1025 | 1030 |
| Palakkad | 1003 | 1010 | 1014 | 1022 | 1027 | 1034 | 1040 |
| Malappuram | 999 | 1006 | 1013 | 1023 | 1029 | 1031 | 1038 |
| Kozhikode | 986 | 992 | 997 | 1008 | 1013 | 1018 | 1024 |
| Meppadi | 1040 | 1048 | 1057 | 1067 | 1073 | 1079 | 1086 |
| Kannur | 995 | 1002 | 1006 | 1015 | 1020 | 1024 | 1028 |

| Centres | August | September | October | November | December | Average |
|--------------------|--------|-----------|---------|----------|----------|---------|
| Thiruvananthapuram | 1054 | 1054 | 1059 | 1064 | 1073 | 1046 |
| Kollam | 1051 | 1054 | 1059 | 1067 | 1073 | 1044 |
| Punalur | 1002 | 1006 | 1014 | 1020 | 1028 | 995 |
| Alappuzha | 1053 | 1055 | 1060 | 1067 | 1074 | 1043 |
| Kottayam | 1045 | 1047 | 1055 | 1061 | 1067 | 1034 |
| Mundakkayam | 1017 | 1019 | 1026 | 1034 | 1041 | 1007 |
| Munnar | 1010 | 1013 | 1019 | 1028 | 1034 | 999 |
| Eranakulam | 1012 | 1012 | 1018 | 1022 | 1026 | 1003 |
| Chalakkudy | 1073 | 1076 | 1018 | 1086 | 1091 | 1063 |
| Thrissur | 1032 | 1034 | 1040 | 1045 | 1050 | 1024 |
| Palakkad | 1043 | 1046 | 1051 | 1055 | 1060 | 1034 |
| Malappuram | 1040 | 1042 | 1046 | 1051 | 1054 | 1031 |
| Kozhikode | 1027 | 1029 | 1034 | 1040 | 1046 | 1018 |
| Meppadi | 1091 | 1094 | 1100 | 1107 | 1114 | 1080 |
| Kannur | 1030 | 1032 | 1036 | 1041 | 1045 | 1023 |
| STATE | | | | | | 1030 |

4.3 Parity Index

Parity index is a relative measure of prices received and prices paid by farmers. The index is constructed to assess how the price situation in the state affects the farmers.

The index of prices received by farmers is a measure of relative changes in respect of a farmer from important agricultural products as a result of changes in farm prices. The changes are measured based/in the prices prevailed in the base year 1952-53. The weighted average of the price relative of the current farm prices relative of the current farm prices to those of the base year is defined as the index of prices received. For the construction of the index, the following crops are considered. (1) Paddy, (2) Coconut, (3) Arecanut (4) Cashew nut, (5) Tapioca (6) Ginger (7) Pepper (8) Banana (9) Sugarcane.

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

The parity index of during 1999 and 2000 are furnished below

Index of parity (Base 1952-53 = 100)

| Sl. No. | Month | 1988 | 1999 | 2000 |
|---------|-----------|------|------|------|
| 1 | January | 75 | 78 | 82 |
| 2 | February | 76 | 82 | 78 |
| 3 | March | 77 | 84 | 74 |
| 4 | April | 72 | 83 | 73 |
| 5 | May | 77 | 81 | 70 |
| 6 | June | 76 | 83 | 66 |
| 7 | July | 77 | 84 | 61 |
| 8 | August | 78 | 83 | 60 |
| 9 | September | 74 | 81 | 58 |
| 10 | October | 76 | 85 | 55 |
| 11 | November | 75 | 83 | 53 |
| 12 | December | 78 | 82 | 53 |
| | Annual | 76 | 82 | 66 |

The parity is decreased by 1.6 points from 82 points 1999 (December) to 66 points in 2000 (December) i.e., the price situation in the state was not favourable to the farming community during the years.

4.4 Classification of Soil

| Sl. No. | District | Type of soil | Details of Distribution |
|---------|--------------------|---|---|
| 1 | 2 | 3 | 4 |
| 1 | Thiruvananthapuram | <ol style="list-style-type: none"> 1. Fairly rich brown loam of lateric origin 2. Sandy loam 3. Riches dark brown loam of granite origin | <p>Loam of middle part of the District</p> <p>Western coastal region</p> <p>Eastern hilly part of the district</p> |
| 2 | Kollam | <ol style="list-style-type: none"> 1. Sandy loam 2. Laterite soil 3. Hill and forest soil | <p>Karunagappally and part of Kollam Taluk</p> <p>Kottarakkara and part of Kunnathur and Pathanapuram taluk.</p> <p>Part of Pathanapuram tabluk</p> |
| 3 | Pathanamthitta | <ol style="list-style-type: none"> 1. Laterite soil 2. Hill and forest soil | <p>Pathanmthitta, Mallappally, Ranny and parts of Thiruvalla taluks.</p> <p>Parts of Pathanamthittan and Ranny taluks</p> |
| 4 | Alappuzha | <ol style="list-style-type: none"> 1. Sandy loam 2. Sandy soil 3. Clay and loam with much of acidity 4. Latarite soil | <p>Karthikappally and Mavelikara taluk</p> <p>Cherthalai and Ambalapuzha taluks</p> <p>Kuttanad</p> <p>Chenganur and part of Mavelikara</p> |
| 5 | Kottayam | <ol style="list-style-type: none"> 1. Laterite soil 2. Alluvial soil | <p>Part of Meenachil, Changanacherry and Kottayam taluks</p> <p>Parts of Changanacherry and Kottayam taluks</p> |

4.5 Conversion ratio between the raw materials and the processed product

| | | |
|---|--------------|--|
| 1 | Rice | Rice (cleaned) production 2/3 of paddy processed |
| 2 | Cotton | Cotton lint production 1/3 of kapas processed |
| | | Cotton seed production 2/3 of kapas processed |
| 3 | Ground nut | Kernel to nuts in shell 70 percent |
| | | Oil to nuts in shell 28 percent |
| | | Oil to kernels crushed 40 percent |
| | | Cake to kernels crushed 60 percent |
| 4 | Seasamum | Oil to seed crushed 40 percent |
| | | Cake to seeds crushed 60 percent |
| 5 | Caster seeds | Oil to seeds crushed 37 percent |
| | | Cake to seeds crushed 63 percent |
| 6 | Coconuts | Copra to nuts one tonne copra 6775 nuts |
| | | Oil to copra crushed 62 percent |
| | | Cake to copra crushed 38 percent |
| 7 | Neem seed | Oil to kernel crushed 45 to 50 percent |
| | | Cake to kernels crushed 50 to 55 percent |
| 8 | Sugar | Gur from cane crushed 10 percent |
| | | Crystal sugar from gur refined 62.40 percent |
| | | Crystal sugar from cane crushed 9.97 percent |
| | | Khandassari sugar from gur refined 37.5 percent |
| | | Molasses from cane crushed 3.5 percent |
| 9 | Cashew nuts | Cashew nuts kernals 25% of Cashew nuts |
| | | Buttu from mixed milk 6.3 percent |
| | | Ghee from mixed milk 5.3 percent |

| 1 | 2 | 3 | 4 |
|----|------------|---|--|
| 6 | Indukki | 1. Laterite soil 2. Alluvial soil | Peerumadu and Thodupuzha taluks Devikulam and Udambanchola taluks |
| 7 | Eranakulam | 1. Laterite soil 2. Sandy loam 3. Alluvial | Moovattupuzha and part of Kunnathunadu Parur, Kochi and Kanayannur taluks Part of Aluva and Kunnathunadu |
| 8 | Thrissur | 1. Sandy loam 2. Laterite 3. Granite 4. Clay | Part of Mukundapuram, Thrissur and Chavakkad taluks Western portion of Thalappilly and Eastern parts of Thrissur taluks Northern part of Thalappilly Back water areas in Chavakkad and part of Mukundapuram |
| 9 | Palakkad | 1. Sandy soil 2. Laterite 3. Black soil | River side areas Ottappalam, Mannarkkad and Palakkad taluks North eastern portion of Chittoor taluk |
| 10 | Malappuram | 1. Sandy soil 2. Laterite | Coastal areas of district Major parts of the district barring coastal areas |
| 11 | Kozhikode | 1. Laterite 2. Sandy | Major parts of the district barring coastal areas Coastal areas |
| 12 | Wayanad | Laterite | Most part of the district |
| 13 | Kannur | 1. Laterite 2. Sandy | Major parts of the district barring coastal areas Coastal areas |

4.6 Major Nutrients in Fertilizers and Manures (Percentage)

| Sl. No | | N ₃ | P ₂ O ₅ | K ₂ O |
|--------|----------------------------|----------------|-------------------------------|------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1 | Ammonium Sulphate Nitrate | 26.0 | | |
| 2 | Ammonium Sulphate | 20.5 | | |
| 3 | Ammonium Nitrate | 33.5 | | |
| 4 | Ammonium phosphate | 16.0 | 20.0 | |
| 5 | Diammoneum phosphate | 18.0 | 46.0 | |
| 6 | Calcium ammonium nitrate | 20.5 | | |
| 7 | Nitrate of soda | 16.5 | | |
| 8 | Calcium nitrate | 15.3 | | |
| 9 | Urea | 46.0 | | |
| 10 | Super phosphate – Single | | 18.0 | |
| 11 | Super phosphate – Double | | 35.0 | |
| 12 | Super phosphate – Triple | | 45.0 | |
| 13 | Rock phosphate | | 28.3 | |
| 14 | Hyper phosphate | | 27.3 | 48 |
| 15 | Sulphate of potash | | | 50 or 60 |
| 16 | Muriate of potash | | | |
| 17 | Ground nut 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 | 1.0 |
| 36 | Mussori phos | | 20.24 | |

4.7 Insect/Pests affecting paddy crops, then distribution and some practical methods of control

| Sl. No | Name of pest | Nature of damage | Control measure |
|--------|--|--|---|
| 1 | 2 | 3 | 4 |
| 1 | Rice Swarming Caterpillar (Spodoptera nayrutual) | Caterpillar appear in swarms and eat away leaves in the early vegetative phase. The presence of the caterpillars in the early stages can be ascertained by sweeping with hand net. | Spray the crop with BHC 50 wp (2.5 Kg/ha) Methyl Parathion 50 EC (500ml./ha)/ Carbary 15 W.p (2.5 Kg/ha)/Endosulfan/Truhaloro form be Fentheon as soon as the Caterpillars are noted. |
| 2 | Rice Stem Bores (Seripophage incertalas) | In the vegetative phase the central shoot is seen dead, turning yellow in colour (dead heart) in the ear-bearing stage, the ear head appears completely chaffy and white in colour (with ear head). Both come out easily when pulled out and show indication of Caterpillar attack at the tips. | Fenthuin 100Ec(500ml/ha) Quinalphos 75Ec(1000ml/ha) Quinalphose 5G(20 kg/ha) Fenitrothron 50Ec (1000 ml/ha) Fenitrothen 100Ec (500 ml/ha) Carbofuran 3G (18 kg/ha) Carbary 150Wp(2.5 kg/ha) Methyl parathion 50EC (500 ml/ha) Pgosphamedon 100EC (250 ml/ha) Monocrophes 40Ec(600 ml/ha) |
| 3 | Rice Bug (Leptocorisacuta) | Look out for bug in the field during the early ear-bearing stage. When plants are disturbed, the bugs are seen flying away omitting a characteristic colour. Due to desapping grains show brownish patches on the husk. Since the occurrence of rice bug councides with the flowering stage of crop, application of insecticides may be done before 9 am. or after 3 pm. So that the fertilization of the flowers may not be adversely affected. | Carbary 150Wp(2.5 kg/ha) Fermethin 25Ec (1000 ml/ha) Methyl Parathin 50Ec (500 ml/ha) BHC 10 D.P (25 kg/ha) Malathin 50Ec (1000 ml/ha) |
| 4 | Gall Midgs (Orscoliaoryzac) | Presence of yellowish or violet tubular out growth in place of central leaf is the symptom (silver sheet). The symttem appears from the nursery to the billering phase | Carbary 150Wp (2.5 kg /ha) Quinalphes 25Ec (1000 ml/ha) Bhorate 10G (12.5 Kg/ha) Carbofuran 3G(18 kg/ha) Phosphamidon 100EC (250 ml/ha) Quinalphes 5G (20 Kg/ha) |
| 5 | Paddy leaf Roller (Gaphalocressis medimalis) | The leaves are seen folded or wobbbed together with white patches on them indicating the areas fed on by the Caterpillar. When folded leaves opened green Caterpillars are wriggle out and fall to the grotund. Appearance of white patches in the field indicates the attack. All the stages of the crop are attacked. | Quinalphes 25Ec (1000 ml/ha) Carbary 150Wp (2.5 kg/ha) Monocrotophes 40Ec (600 ml/ha) Fenitrothion 50Ec (100 ml/ha) Fenthein 100Ec (500 ml/ha) Phosalone 35Ec (1000 ml/ha) Methyl parathion 50Ec (500 ml/ha) |

| 1 | 2 | 3 | 4 |
|----|---|--|---|
| 6 | Brown plants Hopper (<i>Nilaparvata lugens</i>) | Yellowish circular patches appear here and there in the field. The plants in these areas soon dry up (Hopper burn) and the yellowing and drying extend rapidly. Examine the plants as soon as the yellowing appears. Presence of the hoppers at the base of the plants confirms infestation. While spraying and dusting care should be taken that the insecticides reach the base of the plants. | Carbary 150Wp (2.5 kg/ha) Quinalphes 25Ec (1000 ml/ha) Fenthio 100Ec (500 ml/ha) BHC 50wp (2.5 kg/ha) BHC 10 Dp (25 kg/ha) Phosphamidon 100Ec(250 ml/ha) Carbofuran 3G (18 kg/ha) Monocrotophes 40Ec (600 ml/ha) Phosaloue 35Ec(1000 ml/ha) |
| 7 | Rice Hispa (<i>Dicla dispartmiger</i>) | In early stages white patches with stunted growth are seen. Closer examination reveals the presence of small black spiny beetles. The adults feed on green tissues of leaves and scar appears as white lines. The grubs mine the leaves causing formation of white blotches | Apply BHC 10 Dp (25 kg/ha) When infested. |
| 8 | Whorl Maggols (<i>Hydrelliasp</i>) | Common in nurseries and in main field up to 4-6 week after trasplanting yellowish patches and streaks are seen along margin o f leaves which may deform | Apply Phorate 100 (12.5 kg/ha) in egtation is save. |
| 9 | Rice jassid (<i>Cofanaspectra Nipho</i>) | General yellowing of leaves is seen in severe attack. When the plants are distrubed jassids jump out | Carbary 150Wp (2.5 kg/ha) Phosphamidon 100 Ec (250 ml/ha) Quinalphes 25Ec (1000 ml/ha) Monocuotophes 40Ec (600 ml/ha) Fenitrothion 50Ec (1000 ml/ha) |
| 10 | Rice thrips (<i>Balio thrips bi formis</i>) | The crop is highly susceptible in the nursery stage and for the first 20-25 days after transplanting / sowing. The tips of leaves get folded longiterdinally into needle like out growths and turn whitish. In severe cases, the lower leaves also turn yellowish. The infestation may be rated as mild, if there are less than 3 dry needle-line leaves as severe. If there are more that 3 out growths with the lower leaves also sowing chorosis and scorching. | In severe infertations apply carbary 150Wp (1.25 kg/ha) plus DDVP 100Ec (250 ml/ha) Dime theate 40Ec (1 Ltr/ha) or Quinal phes 25Ec (1 Hr/ha) |
| 11 | Rice rootnematode (<i>Hirschmanniella Orysa</i>) | Attracts paddy roots and make them hollow affects absorption of water and nutrients plants show stunted growth in patihes. Tiller production is affected. | Treat the nursery with Carbofuran 0.75 kg/ha and dipseedlings in 0.2% Dime theate for six hours before transplanting. |

4.8 List of Rain gauge Station in Kerala

| | | |
|--------------------------------------|------------------------------|------------------------|
| 1. Thiruvanthapuram | 5. Kottayam | 1. Alathur |
| 1. Ponnudi | 1. Changanacherry | 2. Plakkad |
| 2. Varkala | 2. Kottyam (Agronnet) | 3. Parali |
| 3. Attingal | 3. Kumarakom | 4. Ottapalam |
| 4. Nedumangad | 6. Idukki | 5. Cherpulassery |
| 5. Thiruvananthapuram(B) | 1. Chinnar | 6. Mannar kadu |
| 6. Neyyattinkara | 2. Marayur | 7. Chittur |
| 7. Parassala | 5. Munnar | 8. Pattambi |
| 8. Thiruvananthapuram (Aerodrome) | 6. Devikulam | 10. Malappuram |
| 9. Vellayani (A.N) | 7. Kunily | 1. Perinthalmanna |
| 2. Kollam | 8. Peerumedu (Taluk) | 2. Ponnani |
| 1. Kottarakkara | 9. Peerumedu (Residency) | 3. Manjeri |
| 2. Punalur | 10. Vandanmedu | 4. Nilambur |
| 3. Karunagappally | 11. Velloor | 5. Thirurangadi |
| 4. Ariankavu | 12. Karikode (Thodupuzha) | 11. Kozhicode |
| 5. Kollam | 7. Eranakulam | 1. Kozhicode |
| 6. Paravur | 1. Malayattur | 2. Koilandy |
| 7. Kulathupuzha | 2. Parur | 3. Vadakara |
| 8. Nilamel | 3. Perumbavoor | 4. Muthunga |
| 3. Pathanamthitta | 4. Aluva | 5. Kuppady |
| 1. Konni | 5. Neriyamangala | 6. Kuttiyadi (Dam) |
| 2. Adoor | 6. Muvattupuzha | 7. Kuttiyadi (P.H) |
| 3. Thiruvalla | 7. Kochi (b) | 12. Wayanad |
| 4. Pathanamthitta | 8. Eranakulam | 1. Vythiri |
| 4. Alappuzha | 9. Piravam | 2. Manathavady |
| 1. Arukutty | 8. Thrissur | 3. Peria |
| 2. Cherthala | 1. Kodungallur | 4. Chedlath |
| 3. Alappuzha (B) | 2. Mukundapuram | 13. Kannur |
| 4. Ambalapuzha | 3. Thrissur | 1. Thaliparamba |
| 5. Chenganur | 1. Thalappilly | 2. Kannur |
| 6. Haipad | 2. Ollurkara | 3. Thalassery |
| 7. Mevelikkara | 4. Peechi | 4. Irikkur |
| 8. Kayamkulam | 5. Chalakkudy | 5. Payyannur |
| 5. Kottayam | 6. Potta | 6. Mahe |
| 1. Vaikom | 7. Muttathur | 14. Kasaragod |
| 2. Palai | 8. Thumburmoozhi | 1. Hosdurg |
| 3. Ettumanoor | 9. Palakkad | 2. Kasaragod |
| 4. Kanjirappally | | 3. Kasaragod (Agromet) |

4.9 Glossary of English, Botanical and Malayalam Names of Crops

| Sl No. | English Name | Malayalam Name | Botanical Name |
|--------|---------------------|-----------------|-------------------------|
| 1 | 2 | 3 | 4 |
| | Cearls | | |
| 1 | Paddy | Nellu | Oryza Sathva |
| 2 | Ragi | Koovaraku | Eleusinc Coracan |
| 3 | Jower | Cholam | Scrghwm Valgare |
| 4 | Bajra | Kambu | Ponnistam Scrobiculatam |
| 5 | Marize | Mokke cholam | Zea Mays |
| 6 | Kodamillel | Varagu | Paspalum Scrobiculatum |
| 7 | Chama | Chama | Panicum sumatrense |
| 8 | Wheat | Gothambu | Triticum vulgare |
| 9 | Barley | Barley | Hordem vulgare |
| | Pulses | | |
| 1 | Black gram | Uzhunnu | Vigna mungo |
| 2 | Green gram | Cherupayar | Vigna radiata |
| 3 | Horse gram | Muthira | Macrotyloma uniflorum |
| 4 | Red gram | Thuvarappayar | Cajanus cajan |
| 5 | Cowpea Soyabean | Perum payar | Vigna unguiculata |
| | Suagar Crops | | |
| 1 | Sugar cane | Karimbu | Sacharum officianarum |
| 2 | Palamirah | Karimpana | Boreassus flabellifar |
| | Tubers | | |
| 1 | Tapioca | Marecheeni | Manihot esculenta |
| 2 | Colocasia | Chembu | Colocasia esculenta |
| 3 | Elephant foot | Chena | Amor phophallus |
| 4 | Yam | Kachil | Dioscorea alata |
| 5 | Turnip | Seemamullangi | Brassica rapa |
| 6 | Potato | Urula kizhangu | Solanum tuberosum |
| 7 | Sweet potato | Cheeni kizhangu | Lpomoea batatas |
| 8 | Radish | Mullangi | Raphanus sativus |
| 9 | Carrot | Carrot | Daucus curota |

| 1 | 2 | 3 | 4 |
|----|-------------------|----------------|--------------------------------|
| | Vegetables | | |
| 1 | Brinjal | Vashuthana | Solanum melongena |
| 2 | Tomato | Thakkali | Lycopersicon esculentum |
| 3 | Chilli | Mulaku | Capsicum annum |
| 4 | Amaranthus | Cheera | Amaranthus |
| 5 | Okra | Venda | Abel moschus esculentus |
| 6 | Bitter gourd | Paval | Momordia chasanslia |
| 7 | Bottle gourd | Churakka | Lagenaua siceraria |
| 8 | Snake gourd | Padavalam | Trich osanthus anguina |
| 9 | Ridge gourd | Peechanga | Luffa acutangula |
| 10 | Ash gourd | Kumbalam | Benincasa hispida |
| 11 | Little gourd | Koval | Coccina grandis |
| 12 | Sword bean | Valariga | Canavila gladiata |
| 13 | French bean | Beans | Phaseolus vulgaris |
| 14 | Beet root | Beet root | Beta vulgaus |
| 15 | Cabbage | Muttakose | Brassica oleracea var capitata |
| 16 | Carrot | Carrot | Daucus carota |
| 17 | Cauliflower | Cal'uliflower | Brassica oleracea |
| 18 | Indian bean | Amara | Lablab pupurcus |
| 19 | Drumstrick | Muringa | Moringa olerfera |
| 20 | Musk melon | Thai kumbalam | Cucumis melo |
| 21 | Onion | Ulli | Alleum cepa |
| 22 | Pampkin | Mathan | Cucurbita mosehata |
| 23 | Red pumbkin | Vellarimathan | Cucurbita maxima |
| | Fruits | | |
| 1 | Banana | Etha vazha | Musa spp |
| 2 | Plantain | Vazha | Musscpientium |
| 3 | Bread fruit | Seemachakka | Arto carpus altilis |
| 4 | Bull ocks heart | Malamunthiri | Anno na reticulata |
| 5 | Cashew | Kasuvandi | Anacardiam Occidentale |
| 6 | Sweet sop | Seethapazham | Annona squamosa |
| 7 | Grapes | Munthiringa | Vitis vinifera |
| 8 | Guava | Perakka | Psidium guajava |
| 9 | Jack | Chakka | Artocarpus heterophylus |
| 10 | Jujube | Elantha | Zizyphus jujuba |
| 11 | Lemon | Naranga | Citurs limon |
| 12 | Lime | Cherunaranga | Citus aucian tifolia |
| 13 | Mango | Manga | Mangifera india |
| 14 | Mangosteen | Mangosteen | Garcinia mangostana |
| 15 | Pappaya | Pappakka | Carica papaya |
| 16 | Pine apple | Kaithachakka | Ananas comosus |
| 17 | Pouegranate | Mathalanaranga | Punica granatum |
| 18 | Sapota | Sapota | Achras zapota |
| 19 | Mandarin | Orange | Citrus reticulata |
| 20 | Pomelo | Bamplimas | Citrus decumana |

| 1 | 2 | 3 | 4 |
|----|------------------------------|---------------|-----------------------------|
| | Condiments and spices | | |
| 1 | Chilli | Mulagu | Capsicum annum |
| 2 | Turmeric | Manjal | Curcuma domestica |
| 3 | Coriander | Kothamalli | Coreandem sativum |
| 4 | Indian mustard | Kaduku | Brassica junica spp. Juncea |
| 5 | Cumin | Jeerakam | Cuminum cyminum |
| 6 | Pepper | Kurumulaku | Piper nigrum |
| 7 | Garlic | Veluthulli | Allium sativum |
| 8 | Ginger | Inchi | Zingiber olpcinale |
| 9 | Cardamom | Elam | Elettaria cardamomum |
| 10 | Long pepper | Thippili | Diper longum |
| 11 | Nutmeg | Jathika | Myristica fragrans |
| 12 | Cinnamon | Karuvapatta | Cinnamomum zelancioum |
| 13 | Clove | Grambu | Syzygium aromaticum |
| 14 | Fennel | Pernjeerakam | Foeniculum vugare |
| 15 | Cinchona | Cinchona | Cinchona officinalis |
| 16 | Allspice | Allspice | Pimenta dioica |
| | Oil Seeds | | |
| 1 | Cocount | Thenga | Cocos nucifera |
| 2 | Seasmum | Ellu | Sesamum indicum |
| 3 | Groundnut | Nilakkadala | Arachis hypogaea |
| 4 | Indian mustard | Kaduku | Brassica funcea spp. Juncea |
| 5 | Cast | Avanakku | Ricinus communis |
| 6 | Oil palm | Ennappana | Elaeis guineesis |
| | Beverages | | |
| 1 | Coffee | Kappi | Coffea spp |
| 2 | Tea | Theyila | Comellia sinesis |
| 3 | Cocoa | Cocoa | Theobroma cacao |
| | Green Manure crops | | |
| 1 | Glyricida | Seemakonna | Gliricidia maculata |
| 2 | Gotalaua | Kilukki | Crotalaria mucronata |
| 3 | Sunnhemp | Kattuchanambu | Crotalaria juncea |
| 4 | Calapagonium | Calapagonium | Calapogonium muconoides |
| 5 | Kudzuvine | Kudzu payar | Pueraria javanica |
| 6 | Wild indigo | Kozhinji | Tephrosra purpurea |

| 1 | 2 | 3 | 4 |
|----|---------------------|---------------|---------------------------------|
| | Folder crops | | |
| 1 | Bermuda | Karuka | <i>Cynodon dactylon</i> |
| 2 | Napier | Napier | <i>Pennisetum purpureum</i> |
| 3 | Guinea | Kuthirappullu | <i>Panicum maximum</i> |
| 4 | Para | Parappullu | <i>Brachiaua mutica</i> |
| 5 | Tropical kudzu | Kudzu | <i>Pueraria phaseolides</i> |
| | Other Crops | | |
| 1 | Tobacco | Pukayila | <i>Nicotiana tabacum</i> |
| 2 | Betel vine | Vettila | <i>Diper betle</i> |
| 3 | Arecanut | Kamuku | <i>Areca catechu</i> |
| 4 | Para rubber | Rubber | <i>Hevea brasiliensis</i> |
| 5 | Sugarcane | Karimbu | <i>Saccharum officinarum</i> |
| | Trees | | |
| 1 | Teak | Thekku | <i>Teitona grandis</i> |
| 2 | Ebony | Karimaram | <i>Diospyros ebenum</i> |
| 3 | Jungle Jack / Aini | Anjili | <i>Artocarpus birsutus</i> |
| 4 | Poon | Kattupunna | <i>Calophyllum polyanthum</i> |
| 5 | Tree of heaven | Perumaram | <i>Ailanthus excelsa</i> |
| 6 | Sain / haurel | Karimaruthu | <i>Terminalia eremula</i> |
| 7 | Kindal | Vellamaruthu | <i>T. Paniculta</i> |
| 8 | Gurjin | Vella Ayani | <i>Dipterocarpus indius</i> |
| 9 | Mango | Mavu | <i>Mangifera india</i> |
| 10 | Iron wood tree | Kadamaram | <i>Xylia zylocarpa</i> |
| 11 | Venteak | Venthekku | <i>Lagerstroemia microcarpa</i> |
| 12 | Siris | Vaka | <i>Albizia lebbeck</i> |
| 13 | Yellow teak | Manja kadambu | <i>Haldina corifolia</i> |
| 14 | Dita dark | Yezhilam pala | <i>Alstonia scholaris</i> |
| 15 | Ekadnia | Mulluvenga | <i>Bridelia squamosa</i> |
| 16 | Mahagany | Mahagany | <i>Swietenia mahogani</i> |
| 17 | Indian rose wood | Eetty | <i>Dalbergies la tifolia</i> |
| 18 | Jack | Plavu | <i>Artocarpus heterophyllus</i> |
| 19 | Bead tree | Manjadi | <i>Adenan therea pavouina</i> |

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671

