



GOVERNMENT OF KERALA

**REPORT ON CROP CUTTING SURVEY ON AUTUMN,
WINTER AND SUMMER CROPS OF PADDY
1990-91**

**DEPARTMENT OF ECONOMICS AND STATISTICS
THIRUVANANTHAPURAM**

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P R E F A C E

The Department of Economics and Statistics is conducting crop estimation surveys on paddy since 1950, for each of the three crop seasons viz. Autumn (Virippu), Winter (Mundakan) and Summer (Punja). This report deals with the objects, area covered by in survey, the sampling techniques adopted, the results of the analysis of data and the reliability of the results obtained from the crop estimation surveys in respect of Autumn, Winter and Summer seasons of paddy crop during 1990-91.

This report was prepared in the Agricultural Statistics Division of the Department of Economics and Statistics.

Suggestions for the improvement of the report are welcome.

Department of Economics & Statistics,
Thiruvananthapuram,
Dated: 13-1-1995.

Dr.M.Kuttappan
Director

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REPORT ON CROP CUTTING SURVEY OF AUTUMN, WINTER AND SUMMER CROPS OF PADDY - 1990-91

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1. Introduction:

The Department of Economics and Statistics has been regularly conducting crop cutting surveys on paddy for the three crop seasons of Autumn (Virippu) Winter (Mundakom) and Summer (Punja) every year in the state. This report relates to the survey conducted for Autumn, Winter and Summer seasons of 1990-91.

2. Objectives of the survey

The main objectives of the yield estimation survey on paddy are:-

- i. To estimate the mean yield per hectare of dry paddy, at Block, District and State level for each season.
- ii. To estimate production of rice at Block, District and State level.
- iii. To estimate mean yield and productivity of high yielding varieties of paddy at District and State level.
- iv. To study the impact of various cultivation practices on the productivity of paddy crop.

3. Period of the survey

The period of the field work for Autumn season was from July 1990 to October 1990. Winter season was from November '90 to February 1991 and that for Summer season was March 1991 to June 1991.

4. Coverage

The survey was designed to cover the whole state except the forest area.

5. Sampling design

The survey was conducted based on a stratified multistage sampling design. Under the present system blocks are considered as strata and investigator zones in each block forming sub-strata and first stage unit. Paddy growing survey sub-divisions in the selected cluster form the second stage units.

In each zone, separate lists of survey sub-divisions of wet land plots growing paddy under HYV irrigated, HYV unirrigated, local-irrigated and local-unirrigated are prepared. The required number of plots are selected by using circular systematic sampling method from the above lists. One Kandom each is chosen by simple random method, after serially numbering the Kandoms in the selected Sy sub-divisions in anti-clockwise direction starting from the south-west corner. They form the third stage unit. A square plot of 5 metres located in the selected Kandom forms the ultimate sample unit and the crop in the demarcated plot is harvested, threshed, winnowed and weighted. The weight of the cleaned grains and other relevant details such as irrigation status use of manures, fertilizers, insecticides, pesticides etc. are recorded in the prescribed schedule. In each investigator zone Six experiments are conducted in each season. In each Corporation and Municipality the number of experiments per zone per season is limited to 10 and 6 respectively.

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Blocks in rural areas and Municipalities and Corporation in urban areas in each district are treated as stratum. The Blocks are again divided into a number of investigator zones depending on the area of the block, nature of land etc. Corporation area is divided into 3 investigator zones and municipalities with an area of 10 sq.K.m and more, are treated as one investigator zone. These investigator zones formed for the Establishment of an Agency for Reporting Agricultural Statistics (EARAS) survey are treated as sub-stratum for this survey. The remaining small municipalities are merged with the adjoining blocks.

In each investigator zone, 100 clusters of 5 survey sub-divisions are selected for the survey. These 100 clusters are allocated among the wet and dry lands in proportion to the area under these categories in the zone.

For selecting the clusters in the investigator zones, list of wet land survey sub divisions and dry land survey sub divisions as per the basic tax register are prepared separately in an orderly manner (one village after the other). The required number of key plots (survey sub-divisions) are selected, from each list in proportion to the wet and dry land area, for forming the clusters using circular systematic sampling method. These key plots together with the two other adjacent plots on either side (left and right in the horizontal direction) from the cluster. The wet land cluster of five survey sub-divisions each are visited in each paddy growing season in the investigator zone for the collection of details of area under paddy during the season from these paddy growing plots 6 survey sub divisions are selected for the conduct of crop cutting survey in each investigator zone in every paddy season.

From every Block, three samples each weighing 250 gms of wet paddy are collected at the time of harvest for conducting driage experiments. The first sample is taken at the beginning, the second towards the middle and the third towards the end of the harvest season. These samples are dried and weighed until weights on two consecutive days agree. The driage ratio thus obtained was utilised for the estimation of dry weight of paddy.

6. Field work

The field work of the survey was attended to by the investigators under the immediate supervision of Taluk Statistical Inspectors and Taluk Statistical Officers. The Deputy Director of the districts were in over all charge for the proper conduct of the survey. He was assisted by the District Officers and Additional District Officers.

During the crop seasons of Autumn, Winter and Summer 1990-91 the total number of crop cutting experiments planned were 4816, 4470, and 2792 respectively.

The number of crop cutting experiments analysed during Autumn, Winter and Summer were 4152 (86%), 4395(98%) and 2769 (99%). The number of experiments planned and analysed in each block during Autumn, Winter and Summer 1990-91 are furnished in table 1.1, 1.2 and 1.3 respectively.

7. Supervision

The yield estimation survey was inspected at pre-harvest, harvest and post harvest stages by the Taluk level and District level Officers. The statistical Inspectors and Taluk Statistical Officers were made responsible to inspect atleast one experiment in each investigator zone and the Deputy Director, District Officer and Additional District Officer were to inspect

at least one experiment in each block at the harvest stage. The Taluk Statistical Officer/Statistical Inspector had to conduct at least one harvest stage inspection in each investigator zone subject to a minimum of 5 experiments in a block. Over and above, the Officers of the Agriculture Department had to conduct supervision on 1% of the crop cutting experiments in the districts.

The percentage of experiments inspected during the Autumn, Winter and Summer seasons 1990-91 are given in the following table.

Season	No. of Crop cutting experiments conducted	Percentage of experiments inspected			Total
		Pre-harvest stage	Harvest stage	Post harvest stage	
1		3	4	5	6
Autumn 90-91	4152	6.94	19.97	0.55	27.46
Winter "	4395	6.71	16.95	0.59	24.25
Summer "	2769	6.50	20.34	1.05	27.89

8. Analysis of data

On completion of the field work of the survey the data collected in each season were transmitted to the concerned district officer of the department and consolidated data from each district were forwarded to the Head Office by the Deputy Directors of the Districts. Tabulation and analysis of data so collected were done by the Agricultural Statistics Division of the Directorate. The procedure adopted for estimation of various parameters at Block, District and State level is described in the consuming paragraphs.

9. Estimation

Mean yield of paddy, its standard error and production of rice were estimated from the data collected through the surveys. Estimation of mean yield has been done separately for the following categories of paddy and weighted average was computed to obtain the mean yield of all varieties together.

1. Paddy high yielding Varieties - Irrigated (HYV-1)
2. Paddy high yielding varieties - unirrigated (HYV-UI)
3. Paddy local varieties - Irrigated (L - I)
4. Paddy local varieties - Unirrigated (L - UI)

(i) Mean yield of paddy at block level

The following formula has been utilised to estimate mean yield of paddy at block level.

$$X_p = \frac{\sum_{j=1}^{np} E_p \times p_j \times 400 \times d}{np}$$

Where, -

np = Number of crop cutting experiments conducted on the p th category paddy in the block.

x_{Py} = weight of paddy (in Kg.) obtained from the j th experiment on the p th category paddy of the block.

$P = 1, 2, 3, 4$ - represents HYV - I, HYV-UI L-I and L-UT respectively.

d = The weight of dry paddy per Kg. of the harvested produce obtained through driage experiments.

The experimental plot is $1/400$ th of a hectare and hence x_p gives the mean yield of dry paddy per hectare of the p th category at Block level.

Mean yield of dry paddy of the block for all categories taken together is obtained by computing the weighted average of the yield of all the four categories, weights being the proportion of area under paddy of the respective classifications. Thus mean yield of dry paddy (all categories together) in Kg. per hectare of the block is given by:-

$$X = \frac{\sum a_p p}{\sum a_p} \quad \text{where } \sum p = 1$$

Where,

a_p is the area under the p th category paddy in the block.

Mean yield of paddy for the district is obtained as the weighted average of the mean yield of the blocks in the district, weight being the proportion of area under the crop in the respective blocks. So also mean yield of paddy for the state is computed as the weighted average mean yield of the district, weights being the proportion of area under the crop in the respective districts.

(ii) Standard error of block mean yield:-

Standard error of mean yield per hectare of the p th category paddy of the block is computed using the formula:-

$$S_p = \frac{M.S.S}{n_p} \times 400 \times d$$

Where, n_p = Number of crop cutting experiments conducted on the p th category paddy of the block.

$$M.S.S = \frac{T.S.S}{n_p - 1}$$

$$T.S.S = \frac{\sum_{j=1}^{n_p} E x_{pj}^2 - (E x_{pj})^2}{n_p}$$

Where X_{pj} is the weight of the harvested produce obtained from the j th cut on the p th category paddy of the block.

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This standard error of the block meanyield is given by:-

$$S = \frac{\sum_{p=1}^4 (ap Sp)^2}{P-1} \quad \text{Where } P = 1$$

Where ap represents the area of pth category in the block.

The standard error of the district meanyield is obtained by:-

$$S = \frac{\sum_{i=1}^n (ai si)^2}{n-1} \quad \text{Where}$$

n = number of blocks in the district.

ai = area under paddy in the ith block of the district.

Si = Standard error of meanyield in the ith block.

Computation of the standard error of the state meanyield is also made utilising the same formula. Where 'n' will represent the number of districts in the state, 'ai' area under paddy in the ith district and Si the standard error of meanyield of the district.

(iii) Production of rice

The estimates of meanyield obtained from area enumeration under the Survey "Establishment of an Agency for Reporting Agricultural Statistics" (EARAS) were utilised for computation of estimates of production of rice. In terms of weight 65.7% clean rice is accounted for from dry paddy.

10. Result of the Survey

(i) General:-

The total production of rice in the state during 90-91 has been estimated as 1086578 tonnes which is less than the previous years production of 1141231 tonnes. The decrease in production during this year compared to the previous year is 54653 tonnes which is about 4.8%.

State level estimates of area meanyield of dry paddy and production of rice during 90-91 and the season-wise percentage variation over the previous year are shown below.

Crop	Area under Paddy (Hect)		% Variation	Mean yield of dry paddy in Kg/Hect		% Variation	Production of rice in tonnes		% Variation
	1989-90	1990-91		1989-90	1990-91		1989-90	1990-91	
Season	2	3	4	5	6	7	8	9	10
Autumn	243611	236078	-3.09	2991	2985	-0.20	478643	463025	-3.26
Winter	268599	258564	-3.74	2857	2829	-0.98	504157	480655	-4.67
Summer	71179	64808	-8.95	3387	3356	-0.92	158391	142898	-9.78

During the crop season of Autumn 90-91 in area mean yield and production decreased by -3.09%, -0.20% and -3.26% respectively compared to the corresponding season of the previous year. The above trend continued during the winter season also and the area mean yield and production decreased by -3.74% -0.98% -4.67% respectively compared to the corresponding season of the previous year. Similarly the summer season was not an exception to the trend in the previous two seasons and the area, mean yield and production decreased by -8.95%, -0.92% and -9.78% respectively.

The scheme for block-wise estimation of mean yield and production was implemented from 1987-88 onwards. Considering taluk as the stratum was changed and block-wise considered as the stratum for forming block level estimates from crop season khariff 1987-88 onwards.

The details of crop cutting experiments conducted during the last three years are shown below:-

Year	No. of Crop Cutting experiments conducted		
	Autumn	Winter	Summer
1	2	3	4
1988-89	4271	4477	2815
1989-90	4233	4428	2821
1990-91	4152	4395	2769

Analysis of 4152 crop cutting experiments conducted on Autumn paddy 4395 experiments on winter paddy and 2769 experiments on summer paddy revealed that 35% of the crop cutting experiments during Autumn 38% of the crop cutting experiments during winter and 34% of the crop cutting experiments during summer had reported yield rate between 2001-3000 Kg/ha while 24% of the experiments in Autumn 28% of the experiments in winter and 18% in summer recorded an average yield of 3001 to 4000 Kg/ha. But 21% of experiments in Autumn, 16% of experiments in winter and 25% of the experiments in summer recorded an average yield rate of 1001 to 2000 Kg/hg only 7% of the total experiments conducted in Autumn 4% of the experiments in winter and 6% of the experiments in summer had an average yield rate below 1000 Kg/ha only.

Sl. No.	Yield range (Kg/ha)	Percentage of Experimental plots		
		Autumn	Winter	Summer
1	2	3	4	5
1.	0	0.48	0.15	1.16
2.	0 -1000	6.59	4.22	5.99
3.	1001-2000	21.07	16.26	25.37
4.	2001-3000	34.52	37.58	33.93
5.	3001-4000	24.35	27.57	18.39
6.	4001-5000	9.98	9.38	9.38
7.	5001-6000	2.27	3.49	4.81
8.	6001 and above	0.74	1.38	0.97
Total		100.00	100.00	100.00

The estimates of area, meanyield standard error and production of rice at block level for Autumn, Winter and Summer paddy 1990-91 are furnished in tables 1.1, 1.2 and 1.3 respectively along with the number of crop cutting experiments analysed. The estimates of mean yield of Autumn, Winter and Summer paddy for the three years from 1988 to 90 are furnished in tables 2.1, 2.2 and 2.3 respectively for a comparative study.

The district-wise area under paddy, meanyield and production of rice for Autumn, Winter, Summer 1990-91 are furnished in table 3.1, 3.2 and 3.3 respectively in respect of high yielding varieties and other varieties. Details for the state as a whole are furnished in the table given below:-

Area and Production of Autumn, Winter and Summer Paddy 1990-91 for the State

Variation of Paddy	Area under Paddy			Mean yield of dry Paddy (Kg/ha)			Production of rice (tonnes)		
	Autumn	Winter	Summer	Autumn	Winter	Summer	Autumn	Winter	Summer
	1	2	3	5	6	7	8	9	10
High yielding varieties	80025	40005	42786	3170	3365	3710	166657	88436	104279
Other Varieties	156053	218559	22022	2891	2731	2669	296368	392219	38619
All Varieties	236078	258564	64808	2985	2829	3356	463025	480665	142898

The percentages area under high yielding varieties and local varieties of paddy during Autumn 91 were 34 and 66 respectively while the percentages share in production were 36% and 64% respectively. But in the case of winter paddy '91 the percentage of area under higher yielding varieties and other varieties 15 and 85 respectively and those of production were 18 and 82 respectively. In the case of summer paddy 1991 the percentage of area under high yielding and other varieties were 66 and 34 respectively and those of production were 59 and 41 respectively. The extent of area under and production of high yielding varieties have increased during the three seasons of Autumn, Winter and Summer 1990-91 compared to the previous year.

The number of crop cutting experiments conducted as high yielding varieties name of the variety having highest average yield and yield rate in respect of each districts for Autumn, Winter and Summer 90-91 are furnished in the following tables.

High Yielding Variety with highest meanyield Autumn 1990-91

Sl. No.	District	Total No. of Crop cutting experiments as HYV paddy	Name of the HYV corresponding to the highest meanyield	Highest Mean-yield (Kg/Ha)	No. of experimental plots where the HYV in col.4 was grown
1	2	3	4	5	6
1.	Thiruvananthapuram	95	Jyothi	4056	25
2.	Kollam	140	Jyothi	5004	46
3.	Pathanamthitta	63	Jyothi	5511	14
4.	Alappuzha	72	Jyothi	4868	16
5.	Kottayam	101	Jyothi	6123	26
6.	Idukki	4	I.R.8	4598	1
7.	Eranakulam	124	Jaya	3843	46
8.	Thrissur	56	Triveni	4168	18
9.	Palakkad	32	Triveni	4540	15
10.	Malappuram	60	Jyothi	4250	28
11.	Kozhikode	28	Jyothi	3464	11
12.	Wayanad	-	No Paddy	-	-
13.	Kannur	125	Jyothi	4652	38
14.	Kasargode	31	Jyothi	4520	16

High yielding Variety with highest mean yield - Winter '90-91

Sl. No.	District	Total No. of Crop cutting experiments on HYV paddy	Name of the HYV corresponding to the highest mean yield	Highest mean-yield (Kg/Ha)	No. of experimental plots where the HYV in Col.4 was grown
1	2	3	4	5	6
1.	Thiruvananthapuram	35	Bharathy	4256	13
2.	Kollam	22	Jyothy	3281	2
3.	Pathanamthitta	111	Jyothy	4560	70
4.	Alappuzha	40	Jyothy	4846	26
5.	Kottayam	141	Jyothy	4504	85
6.	Idukki	12	IR 8	3868	3
7.	Ernakulam	48	Jyothy	3198	21
8.	Trissur	61	Triveni	3937	17
9.	Palakkad	22	Jyothy	5008	4
10.	Malappuram	74	Bharathi	4504	10
11.	Kozhikode	28	Jyothi	2803	2
12.	Wayanad	23	Sabari	3905	4
13.	Kannur	96	Jaya	3798	31
14.	Kasargode	54	Jaya	4207	12

High yielding Variety with highest mean yield - Summer '90-91

Sl. No.	District	Total No. of Crop cutting experiments on HYV paddy	Name of the HYV corresponding to the highest mean yield	Highest mean-yield (Kg/Ha)	No. of experimental plots where the HYV in Col.4 was grown
1	2	3	4	5	6
1.	Thiruvananthapuram	48	Jyothi	2796	19
2.	Kollam	6	Jyothi	2437	1
3.	Pathanamthitta	74	Jyothi	5580	26
4.	Alappuzha	92	Jyothi	5796	32
5.	Kottayam	96	Jyothi	5478	29
6.	Idukki		No Summer Paddy		
7.	Ernakulam	88	Jaya	3218	26
8.	Trissur	175	Jaya	6218	65
9.	Palakkad	65	Triveni	4426	24
10.	Malappuram	218	Triveni	5816	78
11.	Kozhikode	77	Jyothi	4698	27
12.	Wayanad	89	Jaya	5021	28
13.	Kannur	62	Jyothi	4218	20
14.	Kasargode	36	Jyothi	4562	6

Cultural Practices

a) **Autumn Paddy 1990-91:-** During Autumn season, out of 4152 experimental plots selected for crop cutting 348 plots (8%) were irrigated. Among these irrigated plots 85.28% of the plots were chemically manured and in 12.66% of the plots organic manures were applied. The rest of the 2.06% were not manured. Out of 3804 unirrigated plots 82.20% were applied with chemical fertilisers and 15.42% with other organic manures while 2.38% of the plots were not manured. It is observed that 99.5% of the plots cultivated in the high yielding varieties of paddy were chemically or organically manured during the Autumn season 1990-91.

Plant protection measures were taken in 40.46% of the experimental plots grown in the high yielding varieties and 32.38% of the plots grown with local varieties.

b) **Winter Paddy 1990-91:-** During Winter season out of 4395 experimental plots selected for crop cutting 2449 plots (56%) were irrigated. Among these irrigated plots 91% were chemically manured and in 6.8% plots organic manures were applied. The rest of the plots (2.20%) were not manured. Out of 1946 unirrigated plots 81.25% were applied with chemical fertilisers and 15.7% with other organic manures while 3.05% of the plots were not manured. It is observed that 98.8% of the plots cultivated with high yielding varieties of paddy were chemically or organically manured during winter season 1990-91.

Plant protection measures were taken in 79.5% of the experimental plots grown with high yielding varieties and 49% of the plots grown with local varieties.

c) **Summer Paddy 1990-91:-** Of the 2769 experimental plots paddy crop cutting was conducted in summer season 2573 plots (93%) were irrigated and in 87.30% of the irrigated plots chemical fertilisers were applied while 10.70% of the irrigated plots were applied with other manures. In the remaining 2% of the irrigated plots no manuring was done. There were 196 experimental plots where irrigation was not provided. Of these 90% of the plots were applied with chemical fertilisers and 7.5% plots with other organic manures while 2.5% were not manured at all. 99% of the experimental plots cultivated with high yielding varieties were applied with chemical fertilisers or manures.

Plant protection measures such as treatment with insecticides pesticides etc. were adopted in 74% of the plots where paddy crop cutting experiments were conducted in Summer season. The treatment was done in 84.5% of the plots grown with high yielding varieties and the corresponding figures for other varieties was on 63%.

The District-wise details of mean yield and number of crop cutting experiments analysed in respect of Autumn Winter and Summer paddy 90-91 grown under various cultural practices are furnished in tables 4.1, 4.2 and 4.3 respectively.

Table No.1.1

Block-wise estimates of Area, Mean yield and Production of rice Autumn - 1990-91

Sl. No	Block/ Municipality/ Corporation Districts	No. of experiments		Area (Hect)	Meanyield of dry paddy Kg./Hect	Standard error	Production of rice in tonnes
		planned	Analy- sed				
1	2	3	4	5	6	7	8
1.	Athiyannoor	24	12	404	2675	22	710
2.	Nemom	30	27	599	3131	114	1232
3.	Parassala	24	24	691	2634	136	1196
4.	Perumkadavila	30	26	848	2777	147	1547
5.	Kazhakkootam	36	30	1169	3079	197	2365
6.	Thiruvananthapuram (Rural)	18	12	199	3809	231	498
7.	Nedumangad	30	30	440	3355	60	970
8.	Vellanad	30	30	722	3272	170	1552
9.	Vamanapuram	30	30	1413	3192	176	2963
10.	Chirayinkeezhu	18	18	711	3316	235	1549
11.	Varkala	24	24	929	2469	467	1507
12.	Kilimanoor	36	36	1969	3391	142	4387
Municipalities							
13.	Attingal	10	6	183	4683	275	563
14.	Nedumangad	10	6	152	3044	374	304
15.	Varkala	10	6	83	3301	119	180
Corporation							
16.	Thiruvananthapuram	18	18	245	3199	163	515
	Thiruvananthapuram (District)	378	335	10757	3118	37	22038
17.	Anchalummood	30	16	137	2733	379	246
18.	Chittumala	18	18	521	2456	133	841
19.	Ithikkara	30	30	1225	3448	132	2775
20.	Mukhathala	18	18	864	2510	179	1425
21.	Karunagappally	18	18	649	2073	214	884
22.	Chavara	18	18	326	2633	251	564
23.	Oachira(Portion)	12	17	485	1939	241	618
24.	Sasthankotta(Portion)	24	24	1626	2445	148	2612
25.	Kottarakkara	30	30	1554	3560	154	3635

1	2	3	4	5	6	7	8	
26.	Vettikavala	30	30	1977	3539	184	4597	
27.	Chadaya mangalam	30	30	1878	4075	126	5028	
28.	Anchal	30	30	1749	3270	113	3758	
29.	Pathanapuram	30	30	1291	3489	135	2959	
Municipalities								
30.	Punalur	10	6	280	4294	280	790	
31.	Kollam	10	-----No Crop-----					
	Kollam (Dist.)	338	315	14562	3212	47	30732	
32.	Parakode	24	24	1574	2613	225	2702	
33.	Pandalam(Portion)	18	18	489	2356	139	757	
34.	Sasthamkotta(Portion)	12	6	416	2536	308	693	
35.	Kulanada(Portion)	18	18	179	3401	172	400	
36.	Konni	24	24	568	3580	167	1336	
37.	Elanthoor	24	20	514	3441	259	1162	
38.	Ranni	24	10	18	2712	115	32	
39.	Mallappally	24	24	152	2684	100	268	
40.	Koipuram	24	20	60	2714	222	107	
41.	Pulikkezhu	24	22	141	2731	185	253	
Municipalities								
42.	Pathanamthitta	10	6	117	3773	211	290	
43.	Thiruvalla	10	6	4	2144	345	6	
	Pathanamthitta(Dist.)	236	198	4232	2879	99	8006	
44.	Thycattusery	18	18	439	1161	118	335	
45.	Pattanakkad	18	16	880	2029	274	1173	
46.	Kanjikuzhy	18	17	726	665	81	317	
47.	Aryad	18	17	530	1735	238	604	
48.	Ambalapuzha	18	17	1690	3065	240	3403	
49.	Haripad	18	18	1483	2602	335	2535	
50.	Muthukulam	18	18	975	1279	299	819	
51.	Oachira (Portion)	6	5	232	2113	476	322	
52.	Chengannur	18	16	1119	2375	73	1746	
53.	Kulanada (Portion)	6	6	156	2664	280	273	
54.	Mavelikkara	18	17	1263	2402	252	1993	
55.	Bharanikavu	18	18	1896	2531	141	3153	
56.	Pandalam (Portion)	6	6	540	2269	182	805	
57.	Veliyanad	18	16	3678	4168	308	10072	
58.	Champakulam	18	16	8702	4047	179	23140	
Municipalities								
59.	Alappuzha	10	6	241	3006	271	476	
60.	Chenganoor	10	6	35	1839	121	42	

1	2	3	4	5	6	7	8	
61.	Kayamkulam	10	6	224	1801	432	265	
62.	Mavelikkara	10	6	11	2791	75	20	
63.	Sherthala	10	5	144	668	45	63	
	Alappuzha (Dist.)	284	250	24964	3143	85	51556	
64.	Madappally	30	29	459	3386	115	1021	
65.	Vazhoor	30	11	25	2097	352	34	
66.	Kanjirappally	30	3	6	3169	1176	12	
67.	Pampady	30	24	112	3221	154	237	
68.	Ettumanoor	30	30	2576	3428	259	5801	
69.	Pallom	30	29	1329	3444	218	3008	
70.	Uzhavoor	30	26	1277	3316	115	2782	
71.	Lalam	30	30	445	2699	103	789	
72.	Erattupettah	30	9	17	3437	245	38	
73.	Vaikom	30	30	1514	3210	90	3193	
74.	Kaduthuruthy	30	30	2191	2999	196	4317	
	Municipalities							
75.	Changanacherry	10	6	9	4529	406	27	
76.	Kottayam	10	-----No Crop-----					
77.	Pala	10	6	17	3939	82	44	
	Kottayam (Dist.)	360	263	9977	3250	87	21303	
78.	Thodupuzha	30	30	734	3623	89	1747	
79.	Elamdesam	30	30	1060	3181	106	2215	
80.	Idukki	24	12	53	3035	93	106	
81.	Azhuthal	24	-----No Crop-----					
82.	Adimali	24	6	70	2805	125	129	
83.	Devikulam	24	-----No Crop-----					
84.	Kattappana	36	-----No Crop-----					
85.	Nedumkandam	30	-----No Crop-----					
	Municipality							
86.	Thodupuzha	10	6	151	3620	404	359	
	Idukki (District)	232	84	2068	3353	70	4556	
87.	Alangad	12	12	1265	2659	399	2210	
88.	Angamaly	30	30	2330	2879	150	4407	
89.	Edappally	12	11	1078	1665	281	1179	
90.	Koovapady	30	29	2523	2540	130	4210	
91.	Kothamangalam	36	36	2351	2862	121	4420	
92.	Mulamthuruthy	24	23	1284	2754	175	2323	
93.	Moovattupuzha	30	30	1459	3345	165	3206	

1	2	3	4	5	6	7	8
94.	Palluruthy	12	12	429	1814	95	511
95.	Pampakuda	36	36	1462	3323	66	3192
96.	Parakadavu	18	18	1941	2665	186	3399
97.	Parur	18	18	935	2217	279	1362
98.	Vadavakode	30	30	2559	2614	128	4394
99.	Vazhakulam	30	30	2877	2634	125	4978
100	Vypin	18	17	1136	2387	173	1782
101	Vythila	12	10	142	1738	189	162
Municipalities							
102	Angamali	10	6	306	2741	114	551
103	Kothamangalam	10	6	303	1934	85	385
104	Muvattupuzha	10	6	60	3146	100	124
105	Perumbavoor	10	6	152	2323	246	232
106	Tripoonithura	10	6	48	2332	90	74
Corporation							
107	Kochi	18	18	160	1998	133	210
	Eranakulam (Dist.)	416	390	24800	2658	45	43311
108	Anthicad	24	24	274	2666	222	480
109	Cherpu	24	23	539	2547	139	902
110	Ollukkara	30	29	2579	2337	222	3960
111	Puzhayikal	30	35	1121	2566	169	1890
112	Chowannur	24	11	3696	2247	293	5457
113	Pazhayannur	30	28	4650	3111	159	9503
114	Vadakkancherry	36	31	4826	2293	120	7271
115	Chavakkad	18	13	58	2414	142	92
116	Mullassery	18	15	354	1462	209	340
117	Thalikulam	18	18	45	1522	131	45
118	Chalakydy	30	27	1596	2504	172	2626
119	Irinjalakuda	18	24	498	2179	498	713
120	Kodakara	24	24	1969	2245	136	2904
121	Mala	30	30	1812	2332	155	2776
122	Vellankallur	24	24	1217	1934	171	1546
123	Kodungalloor	12	16	4	1107	152	3
124	Mathilakam	18	18	14	1305	94	12
Municipalities							
125	Chavakkad	10	--	97	2919	97	186
126	Chalakydy	10	9	347	2483	401	566
127	Irinjalakuda	10	--	116	1771	--	135
128	Kodungalloor	10	--	28	1359	--	25

1	2	3	4	5	6	7	8
129.	Trissur	10	--	190	2515	--	314
	Trissur (Dist.)	458	399	26030	2441	64	41746
130.	Alathur	48	48	10491	4384	169	30220
131.	Kuzhal mannam	48	48	9910	4164	175	27112
132.	Palakkad	42	42	9226	3416	160	20706
133.	Kollamkode	48	48	12779	4185	187	35135
134.	Nenmara	18	18	2522	4791	275	7938
135.	Chittoor	42	42	5059	4283	234	14236
136.	Mannarkkad	54	52	4553	1861	111	5567
137.	Attappadi	42	--	-----No Crop-----			
-							
138.	Sreekrishnapuram	42	42	4231	1831	137	5089
139.	Pattambi	48	45	4680	2283	110	7019
140.	Ottappalam	36	34	4612	2470	195	7485
141.	Trithala	36	36	2780	1632	88	2980
	Municipalities						
142.	Chittoor	10	6	1530	4540	275	4564
143.	Palakkad	10	6	896	3336	337	1964
144.	Shornur	10	5	603	1719	128	681
	Palakkad (Dist.)	534	472	73872	3517	57	170696
145.	Malappuram	36	35	1437	2565	99	2422
146.	Manjeri	30	29	1138	2329	173	1741
147.	Kondotty	42	40	1490	2082	114	2038
148.	Vandoor	48	48	2957	2143	101	4163
149.	Nilamboor	24	23	1618	3007	293	3196
150.	Andathode	30	30	275	2109	174	381
151.	Ponnani	30	30	1709	2239	172	2514
152.	Perinthal manna	42	42	2353	1512	90	2337
153.	Mankada	30	30	2550	2438	93	4084
154.	Thirurangadi	30	29	615	1997	155	807
155.	Vengara	36	35	706	2149	159	997
156.	Tirur	30	29	1462	2239	200	2151
157.	Kuttippuram	30	29	1428	2009	149	1885
158.	Thanur	30	29	836	1602	137	880
	Municipalities						
159.	Manjeri	10	6	435	2278	180	651
160.	Malappuram	10	6	216	3873	223	550
161.	Tirur	10	6	99	1645	631	107
	Malappuram (Dist.)	498	476	21324	2206	41	30904

1	2	3	4	5	6	7	8	
162.	Balussery	30	24	310	1002	169	204	
163.	Perambra	30	18	225	1651	177	244	
164.	Meladi	24	24	132	1026	150	89	
165.	Panthalayani	18	18	192	1149	96	145	
166.	Kozhikode	24	20	89	1556	104	91	
167.	Chelannur	24	23	108	1170	138	83	
168.	Koduvally	30	28	714	2243	192	1052	
169.	Kunnamangalam	30	27	760	1596	96	797	
170.	Vadakara	18	18	102	2656	311	178	
171.	Tuneri	30	23	181	1396	97	166	
172.	Kunnummel	30	24	102	1477	119	99	
173.	Thodannur	24	20	51	1552	126	52	
	Corporation							
174.	Kozhikode	18	12	9	1184	149	7	
	Municipality							
175.	Vadakara	10	-----No Crop-----					
	Kozhikode (Dist.)	340	279	2975	1641	59	3207	
176.	Kalpetta							
177.	Mananthavady							
178.	Sulthan Battery	No Summer Paddy						
	Wayanad (Dist.)							
179.	Kuthuparamba	42	42	677	2019	118	898	
180.	Peravoor	48	48	544	1936	76	692	
181.	Iritty	54	54	1121	2151	109	1584	
182.	Thalassery	24	24	347	2500	225	570	
183.	Kannur	12	12	353	2397	176	556	
184.	Edakkad	36	36	738	2520	102	1222	
185.	Thaliparamba	66	66	3361	2830	117	6250	
186.	Payyannur	78	73	3563	2674	124	6260	
187.	Irikkoor	54	54	1303	2555	123	2187	
	Municipalities							
188.	Thalassery	10	6	4	1866	310	5	
189.	Kannur	10	-----No Crop-----					
	Kannur (Dist.)	434	415	12011	2563	41	20224	
190.	Kanjangad	72	66	1519	2677	97	2672	
191.	Neeleswaram	72	72	2048	2353	66	3166	
192.	Manjeswaram	72	66	2477	2867	107	4665	
193.	Kasaragode	72	60	1312	3027	117	2609	

1	2	3	4	5	6	7	8
Municipalities							
194.	Kasaragode	10	6	292	3117	519	598
195.	Kanhangad	10	6	858	1838	58	1036
	Kasaragode (Dist.)	308	276	8506	2639	47	14746
	STATE	4816	4152	236078	2985	33	463025

Table No.1.2

Block-wise estimates of Area, Mean yield and production of rice
Winter 1990-91

Sl. No.	Block/ Municipality/ Corporation/ District	No. of Experiments		Area (Ha)	Mean yield of dry paddy Kg./Hect.	Stand- ard error	Production of rice in tonnes
		Pla- nned	Analy- sed				
1	2	3	4	5	6	7	8
1.	Athiyanthoor	18	18	348	2458	154	562
2.	Nemom	30	26	438	2210	139	636
3.	Parassala	24	23	711	2511	144	1173
4.	Perumkadavila	30	27	814	2545	146	1361
5.	Kazhakkootam	36	36	1239	1738	158	1415
6.	Thiruvananthapuram (Rural)	18	18	203	2527	212	337
7.	Nedumangad	30	30	462	2487	160	755
8.	Vellanad	30	27	723	2286	183	1086
9.	Vamanapuram	30	30	1452	2186	115	2085
10.	Chirayinkeezhu	18	17	735	2516	216	1215
11.	Varkala	24	22	868	2206	148	1258
12.	Kilimannoor	36	32	1981	2434	128	3168
<u>Municipalities</u>							
13.	Attungal	6	5	181	2212	295	263
14.	Nedumangad	6	5	156	2312	116	237
15.	Varkala	5	5	82	3263	330	176
<u>Corporation</u>							
16.	Thiruvananthapuram	18	18	210	1551	245	214
	Thiruvananthapuram Dist.	359	339	10603	2288	44	15941
17.	Anchalummoodu	16	16	183	2620	124	315
18.	Chittumala	18	17	571	2159	144	810
19.	Ithikkara	30	30	1409	2835	149	2624
20.	Mughathala	24	24	975	2023	118	1296
21.	Karunagappally	18	18	853	1836	143	1029
22.	Chavara	18	18	567	2292	154	854
23.	Ochira (portion)	16	16	604	1714	123	680
24.	Sasthamcotta(n)	24	24	1924	2167	177	2739
25.	Kottarakkara	30	30	1622	2658	148	2832
26.	Vēttikkavala	30	30	2000	2992	110	3931
27.	Chadaya mangalam	30	30	1895	2956	167	3680
28.	Anchal	30	30	1738	3103	122	3543
29.	Pathanapuram	30	30	1286	3281	100	2772
<u>Municipalities</u>							
30.	Punalur	6	6	270	2802	236	497
31.	Kollam	-	-	-	-	-	-
	Kollam Dist.	320	319	15897	2643	44	27602

1	2	3	4	5	6	7	8
32.	Parakkode	24	24	1817	2771	102	3308
33.	Pandalam(Portion)	18	18	523	2611	171	897
34.	Sasthamcotta(P)	6	6	452	2165	123	643
35.	Kulanada(P)	18	18	297	3213	128	627
36.	Konni	24	24	777	3693	106	1885
37.	Elanthoor	24	22	790	3229	145	1676
38.	Ranni	20	20	60	2353	176	93
39.	Mallappally	22	22	329	3044	159	658
40.	Koippuram	24	24	321	3703	271	781
41.	Pulikkeezhu	24	24	76	3715	263	185
Municipalities							
42.	Pathanamthitta	6	5	117	2836	54	218
43.	Thiruvalla	6	6	2	3476	244	5
Pathanamthitta Dist.							
		216	213	5561	3004	50	10976
44.	Thycattusery	18	17	354	1145	192	266
45.	Pattanakkad	18	18	100	913	144	60
46.	Kanjikuzhi	18	18	714	879	88	412
47.	Ariad	18	18	267	1209	196	212
48.	Ambalappuzha	18	18	629	3758	308	1553
49.	Harippad	18	18	1054	2413	313	1671
50.	Muthukulam	18	18	1237	1884	119	1531
51.	Ochira(Portion)	6	6	315	1715	247	355
52.	Chengannoor	16	15	794	2720	198	1419
53.	Kulanada (P)	6	5	139	3457	253	316
54.	Mavelikkara	18	18	1284	2169	164	1830
55.	Bharanikkavu	18	18	1765	2331	101	2703
56.	Pandalam(P)	6	6	532	2214	145	774
57.	Veliyanad	18	17	4936	4546	270	14741
58.	Champakkulam	18	18	3478	3951	236	9028
Municipalities							
59.	Alappuzha	6	6	150	2861	320	282
60.	Chengannoor	6	6	31	2591	389	53
61.	Kayamkulam	6	6	222	1323	235	193
62.	Mavelikkara	6	6	9	2122	199	13
63.	Cherthala	6	6	138	1398	221	127
Alappuzha Dist.							
		262	258	18148	3148	91	37539
64.	Madappally	30	30	573	3464	159	1304
65.	Vazhoor	21	21	81	2462	270	131
66.	Kanjirappally	-	-	-	-	-	-
67.	Pambadi	18	18	112	3370	153	248
68.	Ettumannoor	29	29	443	2824	202	822
69.	Pallam	30	25	2370	4504	268	7013
70.	Uzhavoor	30	30	1280	2981	146	2507
71.	Lalam	24	24	537	2545	166	898
72.	Erattupetta	20	20	17	2686	168	30
73.	Vaikom	30	30	1428	3278	126	3075
74.	Kaduthuruthy	30	30	2233	3337	108	4895

1	2	3	4	5	6	7	8
<u>Municipalities</u>							
75.	Changanaserry	6	6	31	3460	458	70
76.	Kottayam	-	-	-	-	-	-
27.	Pala	6	6	39	2849	414	73
	Kottayam Dist.	274	269	9144	3507	81	21066
78.	Thodupuzha	30	30	723	3040	84	1444
79.	Elamdesam	24	24	1035	3365	146	2288
80.	Idukki	18	18	641	3533	185	1488
81.	Azhuthai	6	6	-	-	-	-
82.	Adimali	6	6	82	3471	79	187
83.	Devikulam	12	12	2	2925	29	4
84.	Kattappana	12	12	208	2779	252	380
85.	Nedumgandam	2	2	191	2245	195	281
<u>Municipalities</u>							
86.	Thodupuzha	6	6	128	3865	199	325
	Idukki Dist.	116	116	3010	3235	71	6397
87.	Alangad	12	12	1464	2128	68	2047
88.	Angamali	30	30	2860	2500	89	4697
89.	Edappally	18	18	1137	1814	229	1355
90.	Koovappady	36	30	2791	2132	74	3910
91.	Kothamangalam	36	36	2549	2413	108	4041
92.	Mulamthuruthy	16	16	1406	2347	152	2168
93.	Moovattupuzha	30	30	1820	2841	143	3401
94.	Palluruthy	10	10	-	-	-	-
95.	Pambakkuda	36	36	2436	2857	109	4572
96.	Parakkadavu	18	18	2545	2206	129	3689
97.	Paravoor	15	15	17	1850	157	21
98.	Vadavakode	24	24	3530	2175	138	5045
99.	Vazhakkulam	30	30	3254	2280	72	4874
100.	Vypin	-	-	89	1850	-	108
101.	Vyttila	-	-	-	-	-	-
<u>Municipalities</u>							
102.	Angamali	6	6	383	2611	81	657
103.	Kothamangalam	6	6	362	2657	297	632
104.	Moovattupuzha	6	6	128	2913	381	245
105.	Perumbavoor	6	6	246	1782	101	288
106.	Thrippunithura	6	6	43	2124	61	60
<u>Corporation</u>							
107.	Cochin	6	6	16	2949	216	31
	Ernakulam Dist.	341	341	27076	2352	34	41841
108.	AnthiCADU	24	24	1616	3572	420	3792
109.	Cherppu	24	24	2321	3369	260	5138
110.	Ollukkara	30	30	2765	2973	119	5401
111.	Puzhakkal	36	36	3087	2694	96	5464
112.	Chowannur	18	18	2670	2459	120	4313
113.	Pazhayannoor	30	28	4331	2691	121	7656
114.	Vadakkancherry	36	36	4673	2655	99	8150
115.	Chawakkad	24	23	346	1812	202	412
116.	Mullasserry	18	18	805	1993	466	1054

1	2	3	4	5	6	7	8
117.	Thalikkulam	18	18	9	971	163	6
118.	Chalakkudy	30	28	1727	2368	1	2687
119.	Irinjalakkuda	24	24	1447	2623	142	2494
120.	Kodakara	24	24	1933	2620	116	3327
121.	Mala	30	30	3299	2479	149	5374
122.	Vellangalloor	23	23	2016	2412	100	3195
123.	Kodungalloor	8	8	9	916	233	5
124.	Mathilakam	18	18	300	1350	66	266
<u>Municipalities</u>							
125.	Chawakkad	-	-	302	1693	108	336
126.	Chalakkudy	6	6	489	2816	112	905
127.	Irinjalakkuda	-	-	274	2905	-	523
128.	Kodungalloor	8	8	73	2253	155	108
129.	Thrissur	-	-	-	-	-	-
Thrissur Dist.		429	424	34492	2674	40	60606
130.	Alathur	48	48	10220	3582	134	24050
131.	Kuzhal mannam	48	48	9337	3756	185	23043
132.	Palakkad	42	42	7821	3261	179	16757
133.	Kollengode	48	48	10820	3315	205	23565
134.	Nenmara	118	18	2480	4461	346	7269
135.	Chittur	37	37	4883	3874	253	12427
136.	Mannarkkad	54	54	4523	2397	89	7122
137.	Attappadi	19	19	139	3318	18	303
138.	Sreekrishnapuram	42	41	3848	2360	153	5967
139.	Pattampi	48	47	4177	2623	242	7197
140.	Ottappalam	36	35	5776	2753	108	10448
141.	Thrithala	36	36	3745	2640	100	6496
<u>Municipalities</u>							
142.	Chittur- Thathamangalam	6	6	1573	5000	108	5167
143.	Palakkad	6	6	851	3202	109	1790
144.	Shornnoor	6	6	552	2642	314	958
Palakkad Dist.		494	491	70745	3282	57	152559
145.	Malappuram	36	36	1214	2783	87	2220
146.	Manjerry	30	30	1244	2447	191	2000
147.	Kondotty	42	42	2127	2226	91	3111
148.	Vandoor	48	45	3261	2826	100	6054
149.	Nilamboor	24	24	2302	2582	159	3905
150.	Andathodu	30	29	737	2191	131	1061
151.	Ponnani	30	30	2145	2103	98	2963
152.	Perinthalmanna	42	41	2448	2387	103	3839
153.	Mankada	30	30	2638	2485	40	4307
154.	Thirurangadi	30	29	1017	1928	136	1288
155.	Vengara	36	36	1339	2428	83	2136
156.	Tirur	30	30	1701	1900	165	2123
157.	Kuttiapuram	30	29	2369	2334	67	3633
158.	Thannur	30	30	1591	1807	190	1889
<u>Municipalities</u>							
159.	Manjerry	6	6	538	2685	77	949
160.	Malappuram	6	6	141	3692	620	342
161.	Tirur	6	6	127	2109	-	176
Malappuram Dist.		486	479	26939	2373	33	41996

1	2	3	4	5	6	7	8
162.	Baluserry	24	23	1116	1946	206	1427
163.	Perambra	20	17	762	1977	218	990
164.	Meladi	24	22	546	1843	173	661
165.	Panthalayani	18	18	136	1052	102	94
166.	Kozhikkode	18	17	410	1867	126	503
167.	Chelannoor	24	24	300	1487	125	293
168.	Koduvally	29	29	967	2246	98	1427
169.	Kunna mangalam	30	28	1666	2098	111	2296
170.	Badagara	16	16	187	1473	126	181
171.	Thuneri	30	23	211	1414	139	196
172.	Kunnu mmel	30	30	484	1827	150	581
173.	Thodannur	24	18	354	1466	132	341
Corporation							
174.	Kozhikkode	17	17	186	925	144	113
Municipality							
175.	Badagara	6	4	81	1573	352	84
Kozhikkode Dist.		310	286	7406	1888	53	9187
176.	Kalpetta	73	73	4200	2753	98	7597
177.	Mananthawady	72	72	6432	3145	111	13292
178.	Sulthan Battery	60	60	6640	3205	135	13983
Wayanad Dist.		205	205	17272	3073	223	34872
179.	Koothuparampa	42	42	590	1814	80	703
180.	Peravoor	48	48	484	2355	108	749
181.	Iritty	54	54	947	2485	141	1546
182.	Thalasserry	24	24	349	1810	102	415
183.	Kannur	18	18	98	2252	152	145
184.	Edakkad	30	30	637	2323	125	972
185.	Thaliparamba	56	56	978	2509	68	1612
186.	Payyannoor	71	71	1880	2551	125	3151
187.	Irikkur	54	54	1329	2767	92	2416
Municipalities							
188.	Thalasserry	6	6	5	1522	-	5
189.	Kannoor	-	-	-	-	-	-
Kannur Dist.		403	403	7297	2443	45	11714
190.	Kanjangad	63	63	900	2613	75	1545
191.	Neeleswaram	60	58	1540	2200	37	2226
192.	Manjeswaram	60	59	1238	2503	-	2036
193.	Kasargode	60	60	793	3215	-	1675
Municipalities							
194.	Kasargode	6	6	172	3088	-	349
195.	Kanjangad	6	6	331	2428	-	528
Kasargode Dist.		255	252	4974	2558	38	8359
KERALA		4470	4395	258564	2829	20	480655

Table No.1.3

Block-wise estimates of Area, Mean yield and production of rice							
Summer 1990-91							
Sl. No.	Block/Municipality/ Corporation/ District	No. of Experiments Planned	Area (Ha) Analysed	Mean yield of dry paddy Kg./Hect.	Standard error	Production of rice in tonnes	
1	2	3	4	5	6	7	8
1.	Athiyannoor	10	9	1	2414	284	22
2.	Nemom	7	7	30	1338	267	26
3.	Parassala	24	22	145	2215	142	112
4.	Perumkadavila	13	12	76	2088	116	104
5.	Kazhakkootam	-	-	-	-	-	-
6.	Thiruvananthapuram (Rural)	-	-	-	-	-	-
7.	Nedumangad	-	-	-	-	-	-
8.	Vellanad	3	3	3	895	282	2
9.	Vamanapuram	17	17	14	1196	91	11
10.	Chirayinkeezhu	-	-	-	-	-	-
11.	Varkala	17	17	7	-	52	-
12.	Killmannoor	36	36	37	1028	151	25
Municipalities							
13.	Attungal	6	6	2	-	254	0
14.	Nedumangad (M)	3	3	2	2081	363	3
15.	Varkala	-	-	-	-	-	-
16.	Thiruvananthapuram (Corp.)	-	-	-	-	-	-
Thiruvananthapuram Dist.		136	132	317	1844	76	384
17.	Anchalummoodu	-	-	-	-	-	-
18.	Chittumala	-	-	-	-	-	-
19.	Ithikkara	10	9	10	761	210	2
20.	Mukhathala	-	-	-	-	-	-
21.	Karunagappally	6	6	4	818	165	2
22.	Chavara	-	-	-	-	-	-
23.	Ochira (Portion)	-	-	-	-	-	-
24.	Sasthamcotta (P)	18	18	5	1517	144	14
25.	Kottarakkara	8	8	5	1669	304	3
26.	Vettikkavala	14	14	9	1379	168	16
27.	Chadaya mangalam	14	14	19	1970	218	25
28.	Anchal	-	-	-	-	-	-
29.	Pathanapuram	-	-	-	-	-	-
Municipalities							
30.	Punalur	-	-	-	-	-	-
31.	Kollam	-	-	-	-	-	-
Kollam Dist.		70	70	54	1438	97	5
32.	Parakkode	16	16	20	1903	149	15
33.	Pandalam (Portion)	18	18	105	3595	92	248
34.	Sasthamcotta (P)	-	-	-	-	-	-
Kollam Dist.		111	110	110	111	111	111

1	2	3	4	5	6	7	8
35.	Kulanada (P)	18	18	719	4611	198	2178
36.	Ranni	-	-	-	-	-	-
37.	Elanthoor	16	16	145	3758	438	358
38.	Ranni	-	-	-	-	-	-
39.	Mallappally	23	23	269	4874	329	861
40.	Koippuram	24	24	444	4576	283	1335
41.	Pulikeezhu	24	24	2463	5129	188	8300
Municipalities							
42.	Pathanamthitta	-	-	-	-	-	-
43.	Thiruvalla	6	6	276	5179	351	939
Pathanamthitta Dist.							
		145	142	4441	4882	118	14244
44.	Thycattussery	-	-	-	-	-	-
45.	Pattanakkad	-	-	-	-	-	-
46.	Kanjikkuzhi	-	-	-	-	-	-
47.	Ariad	-	-	-	-	-	-
48.	Ambalappuzha	12	12	736	2443	297	1181
49.	Harippad	18	18	1428	4199	422	3939
50.	Muthukulam	6	6	192	5229	773	660
51.	Ochira (Portion)	-	-	-	-	-	-
52.	Chengannoor	18	15	1453	3994	145	3813
	Kulanada (P)	6	6	300	4220	272	832
54.	Mavelikkara	16	14	1275	4375	347	3665
55.	Bharanikkavu	16	15	47	3127	264	97
56.	Pandalam(P)	6	6	205	5021	571	676
57.	Veliyanad	18	17	3848	3611	267	9129
58.	Champakulam	18	16	7752	3541	273	18032
Municipalities							
59.	Alappuzha	6	6	186	2411	165	295
60.	Chengannoor	-	-	-	-	-	-
61.	Kayamkulam	-	-	-	-	-	-
62.	Mavelikkara	6	6	141	2690	367	249
63.	Cherthala	-	-	-	-	-	-
Alappuzha Dist.							
		146	137	17563	3689	142	42568
64.	Madappally	24	24	2515	4239	276	7604
65.	Vazhur	-	-	-	-	-	-
66.	Kanjirappally	2	2	6	3779	195	15
67.	Pambadi	-	-	-	-	-	-
68.	Ettumannur	29	29	1346	3958	268	3500
69.	Pallam	28	27	2718	4789	199	8552
70.	Uzhavur	-	-	-	-	-	-
71.	Lalam	-	-	-	-	-	-
72.	Erattupetta	-	-	-	-	-	-
73.	Vaikom	-	-	-	-	-	-
74.	Kaduthuruthy	16	16	215	3858	218	545
Municipalities							
75.	Changanassery	6	6	212	3116	738	434
76.	Kottayam	6	6	124	3678	371	300
77.	Pala	-	-	-	-	-	-
Kottayam Dist.							
		111	110	7136	4341	135	2035

1	2	3	4	5	6	7	8
78.	Thodupuzha						
79.	Elamdesam						
80.	Idukki						
81.	Azhuthal	-----No Summer Paddy-----					
82.	Adimali						
83.	Devikulam						
84.	Kattappana						
85.	Nedumgadam						
	Municipalities						
86.	Thodupuzha	-----No Summer Paddy-----					
	Idukky Dist.						
87.	Alangad	16	16	1104	2542	141	1844
88.	Angamali	20	20	1875	2440	200	3006
89.	Edappally	16	16	273	2158	104	387
90.	Koovappady	25	25	1431	2444	79	2298
91.	Kothamangalam	27	27	224	2106	162	310
92.	Mulamthuruthy	6	6	169	2612	207	290
93.	Moovattupuzha	18	18	455	2489	234	744
94.	Palluruthy	-	-	-	-	-	-
95.	Pambakkuda	18	18	689	2249	144	1018
96.	Parakkadavu	18	18	2119	2645	205	3683
97.	Paravoor	-	-	-	-	-	-
98.	Vadavakode	30	30	1068	2115	106	1484
99.	Vazhakulam	30	30	1399	2066	103	1899
100.	Vypin	-	-	-	-	-	-
101.	Vyttila	-	-	-	-	-	-
	Municipalities						
102.	Angamali	6	6	151	2530	405	251
103.	Kothamangalam	6	6	65	1311	241	56
104.	Muvattupuzha	6	6	9	2199	402	13
105.	Perumbavur	6	6	158	2254	91	234
106.	Thripunithura	-	-	-	-	-	-
107.	Cochin Corporation	6	6	13	2342	60	20
	Ernakulam Dist.	254	254	11202	2383	58	17537
108.	Anthikkad	24	24	1133	3508	129	2611
109.	Cherpu	24	24	1570	3090	199	3187
110.	Ollukkara	30	30	484	2849	257	906
111.	Puzhackal	36	36	2202	2788	183	4034
112.	Chowannur	18	18	365	3545	-	850
113.	Pazhayannur	24	24	78	3259	223	167
114.	Vadakkancherry	34	34	425	2271	202	634
115.	Chavakkad	18	16	343	3000	178	676
116.	Mullasserry	21	18	1051	2885	208	1992
117.	Thalikkulam	-	-	-	-	-	-
118.	Chalakkudy	36	36	1045	2878	135	1976
119.	Irinjalakkuda	24	24	1101	3445	101	2492
120.	Kodagara	24	24	609	2579	90	1032
121.	Mala	30	30	1487	2959	120	2891
122.	Vellangalloor	20	20	598	3105	309	1220
123.	Kodungalloor	-	-	-	-	-	-
124.	Mathilakam	-	-	-	-	-	-

1	2	3	4	5	6	7	8
<u>Municipalities</u>							
125.	Chowakkad	-	-	60	3000	-	118
126.	Chalakkudy	-	-	355	2894	-	675
127.	Irinjalakkuda	-	-	444	3897	-	1137
128.	Kodungalloor	-	-	-	-	-	-
129.	Trissur	-	-	166	3090	-	337
	Trissur Dist.	371	366	13516	3033	52	26935
130.	Alathur	12	12	34	3223	320	72
131.	Kuzhal manna m	13	13	26	2342	379	40
132.	Palakkad	20	20	3	3044	161	6
133.	Kollengode	-	-	-	-	-	-
134.	Nenmara	6	6	7	3084	400	14
135.	Chittur	-	-	-	-	-	-
136.	Mannarkkad	46	46	477	1937	142	607
137.	Attappadi	18	18	218	2423	150	347
138.	Sreekrishnapura m	39	39	82	2320	201	125
139.	Pattambi	45	45	64	3306	153	139
140.	Ottappalam	26	26	37	3209	254	78
141.	Thrithala	33	3	99	2926	235	190
<u>Municipalities</u>							
142.	Chittur- Thathamangalam	-	-	11	2377	-	17
143.	Palakkad	-	-	-	-	-	-
144.	Shornoor	6	6	12	2142	275	17
	Palakkad Dist.	264	264	1070	2350	78	1652
145.	Malappuram	21	21	44	2041	320	59
146.	Manjerry	30	30	34	2641	202	59
147.	Kondotty	37	37	174	1723	107	197
148.	Vazhoor	43	43	11	2214	177	16
149.	Nilamboor	21	21	78	2252	221	115
150.	Andathode	30	30	1193	4037	198	3164
151.	Ponnani	29	29	579	3678	78	1399
152.	Perinthalmanna	49	49	112	2106	130	155
153.	Mankada	18	18	87	3027	249	173
154.	Thirurangadi	30	30	751	2906	223	1434
155.	Vengara	35	35	132	2491	116	216
156.	Tirur	30	30	322	2408	221	721
157.	Kuttiappuram	30	30	72	2431	90	115
158.	Thannur	24	24	67	1954	172	86
<u>Municipalities</u>							
159.	Manjerry	5	5	8	1708	258	9
160.	Malappuram	-	-	-	-	-	-
161.	Tirur	6	6	7	2705	-	12
	Malappuram Dist.	438	438	3671	3288	83	7930
162.	Balusserry	16	16	247	1682	139	273
163.	Perambra	17	17	632	2649	429	1100
164.	Meladi	22	22	283	2372	195	441
165.	Panthalayani	16	16	12	1395	145	11
166.	Kozhikode	26	26	12	2537	224	20
167.	Chelannoor	18	18	170	1504	137	168
168.	Koduvally	30	30	103	2025	121	137

1	2	3	4	5	6	7	8
169.	Kunna mangalam	28	28	78	1581	102	81
170.	Badagara	-	-	-	-	-	-
171.	Thunneri	3	3	1	1867	-	1
172.	Kunnummel	16	16	56	2093	146	77
173.	Thodannoor	18	17	65	2646	527	113
Corporation							
171.	Kozhikode	11	11	22	1245	169	18
Municipality							
175.	Badagara	-	-	-	-	-	-
	Kozhikode Dist.	211	210	1681	2209	170	2440
176.	Kalpetta	74	74	669	2787	109	1225
177.	Mananthavady	71	71	1008	4136	139	2739
178.	Sulthan Battery	60	60	1394	3426	142	3138
	Wayanad Dist.	205	205	3071	3520	84	7102
179.	Koothuparamba	30	30	40	1522	144	40
180.	Peravoor	48	48	129	2348	118	199
181.	Iritty	47	47	68	1813	82	81
182.	Thalasserry	-	-	-	-	-	-
183.	Kannur	-	-	-	-	-	-
184.	Edakkad	20	20	8	1959	117	10
185.	Thaliparamba	14	14	6	2283	330	9
186.	Payyannoor	27	27	12	1903	167	15
187.	Irikkur	48	48	11	2214	267	16
Municipalities							
188.	Thalasserry	-	-	-	-	-	-
189.	Kannoor	-	-	-	-	-	-
	Kannoor Dist.	234	234	274	2055	65	370
190.	Kanjangad	46	46	200	2565	-	337
191.	Neeleswaram	49	49	162	2217	-	236
192.	Manjeswaram	46	46	272	2630	-	470
193.	Kasargode	60	60	114	2457	-	184
Municipalities							
194.	Kasargode	-	-	-	-	-	-
195.	Kanjangad	6	6	64	2568	-	108
	Kasargode Dist.	207	207	812	-	59	1335
STATE		2792	2769	64808	3356	45	142898

Block/Municipality/Corporation wise estimates of mean-yield of dry paddy (Kg./Hect.) during autumn season from 1988 to 1990.

Sl. No.	Block/Municipality Corporation & District	1988-89	1989-90	1990-91
1	2	3	4	5
1.	Athiyannur	2069	2726	2675
2.	Nemom	1989	2723	3131
3.	Parassala	2268	3071	2634
4.	Perumkadavila	2935	3272	2777
5.	Kazhakuttom	2656	3186	3079
6.	Thiruvananthapuram (Rural)	3181	3612	3809
7.	Nedumangad	2233	3338	3355
8.	Vellanad	2606	3103	3272
9.	Vamanapuram	2531	3321	3192
10.	Chirayinkeezhu	2616	3109	3316
11.	Varkala	2410	2436	2469
12.	Kilimanoor	2707	2711	3391
<u>Municipalities</u>				
13.	Attungal	3961	4210	4683
14.	Nedumangad	2576	2976	3044
15.	Varkala	2228	2609	3301
<u>Corporation</u>				
16.	Thiruvananthapuram	3809	3776	3199
	Thiruvananthapuram Dist.	2579	3025	3118
17.	Anchalummoodu	1841	3540	2733
18.	Chittumala	2237	2626	2451
19.	Ithikkara	2860	3691	3448
20.	Mukhathala	1479	2698	2510
21.	Karunagappally	1659	2144	2073
22.	Chavara	1556	2195	2633
23.	Oachira (Portion)	1421	2380	1939
24.	Sasthamcottah (Portion)	1814	2255	2445
25.	Kottarakkara	2987	2816	3560
26.	Vettikkavala	2835	3122	3539
27.	Chadaya mangalam	2689	3031	4075
28.	Anchal	2464	3360	3270
29.	Pathanapuram	2951	3655	3489
<u>Municipalities</u>				
30.	Punalur	2163	3269	4294
31.	Kollam	-	3154	-
	Kollam Dist.	2430	2991	3212
32.	Parakkode	2666	2908	2613
33.	Pandalam (Portion)	1689	1808	2356
34.	Sasthamcottah (Portion)	2212	2788	2536
35.	Kulanada (Portion)	2738	2887	3401
36.	Konni	2517	2727	3580
37.	Elanthoor	2771	2838	3441
38.	Ranni	2342	2107	2712
39.	Mallappally	2322	2394	2684
40.	Koipuram	2684	1811	2714
41.	Pulikeezhu	1381	1067	2731

1	2	3	4	5
	<u>Municipalities</u>			
42.	Pathanamthitta	2317	3126	3773
43.	Thiruvalla	1087	476	2144
	Pathanamthitta District	2438	2603	2879
44.	Thy cattusery	1049	1171	1161
45.	Pattanakkad	1286	1667	2029
46.	Kanjikuzhy	787	719	665
47.	Ariyad	929	1338	1735
48.	Ambalapuzha	2348	3479	3065
49.	Harippad	2254	2772	2602
50.	Muthukulam	1350	3158	1279
51.	Ochira (Portion)	1294	2171	2113
52.	Chengannur	2669	2520	2375
53.	Kulanada (Portion)	3034	2489	2664
54.	Mavelikkara	1562	2634	2402
55.	Bharanikkavu	1204	2588	2531
56.	Pandalam (Portion)	1952	2680	2265
57.	Veliyanad	2947	3171	4168
58.	Champakulam	2848	3482	4047
	<u>Municipalities</u>			
59.	Alleppey	2702	3791	3006
60.	Chengannur	2994	1981	1839
61.	Kayamkulam	897	2661	1801
62.	Mavelikkara	1122	2289	2791
63.	Sherthala	493	432	668
	Alappuzha Dist.	2312	2960	3143
64.	Madappally	2120	2495	3386
65.	Vazhoor	2282	1396	2097
66.	Kanjirappally	-	-	3169
67.	Pampady	2401	2771	3221
68.	Ettumannoor	3263	3579	3428
69.	Pallam	2909	1639	3444
70.	Uzhavoor	2805	3277	3316
71.	Lalam	2952	3041	2699
72.	Erattupettah	2827	1976	3437
73.	Vaikom	2297	3144	3210
74.	Kaduthuruthy	2625	2996	2999
	<u>Municipalities</u>			
75.	Changanacherry	2814	1393	4529
76.	Kottayam	-	-	-
77.	Palai	2718	-	3939
	Kottayam Dist.	2802	2985	3250
78.	Thodupuzha	3214	3449	3623
79.	Elamdesam	2975	3366	3181
80.	Idukki	3678	3161	3035
81.	Aradai	3661	-	-
82.	Adimali	4518	2900	2805
83.	Deviculam	-	-	-
84.	Kattappana	-	-	-
85.	Nedumkandam	-	-	-

1	2	3	4	5
	Municipalities			
86.	Thodupuzha	2857	2832	3620
	Idukki District	3115	3304	3353
87.	Alangad	2281	2594	2659
88.	Angamali	2349	2435	2879
89.	Edappally	1747	1518	1665
90.	Koovappady	2495	2835	2540
91.	Kothamangalam	2919	2833	2862
92.	Mulanthuruthy	2002	2557	2754
93.	Muvattupuzha	3248	3501	3345
94.	Palluruthy	2105	2151	1814
95.	Pampakuda	3223	2443	3323
96.	Parakkadavu	2462	2278	2665
97.	Parur	1558	1586	2217
98.	Vadavukode	2341	2625	2614
99.	Vazhakulam	2349	2461	2634
100.	Vypin	2773	2675	2387
101.	Vythala	2126	2395	1738
	Municipalities			
102.	Angamali	2560	2946	2741
103.	Kothamangalam	1989	2660	1934
104.	Muvattupuzha	3105	2845	3146
105.	Perumbavoor	2322	2187	2323
106.	Thrippunithura	1994	2126	2332
	Corporation			
107.	Cochin	1534	1983	1998
	Ernakulam District	2458	2627	2658
108.	Anthicad	2239	2509	2666
109.	Cherpu	1935	2325	2547
110.	Ollukkara	1963	2001	2337
111.	Puzhakkal	2450	1996	2566
112.	Chavannur	1995	2210	2247
113.	Pazhannur	2048	3352	3111
114.	Wadakkancherry	2047	1993	2293
115.	Chavakkad	1285	1835	2414
116.	Mullassery	1512	1860	1462
117.	Thalikulam	1416	1112	1522
118.	Chalakkudy	2097	2378	2504
119.	Irinjalakuda	1691	1792	2179
120.	Kodakara	2275	2271	2245
121.	Mala	1874	2189	2332
122.	Vellangallur	1494	1630	1934
123.	Kodungallur	357	544	1107
124.	Mathilakom	678	629	1305
	Municipalities			
125.	Chavakkad	1750	1878	2919
126.	Chalakkudy	2060	2335	2483
127.	Irinjalakuda	1687	1623	1771
128.	Kodungallur	1201	1635	1359
129.	Trissur	1967	2029	2515
	Trissur District	1999	2299	2441

1	2	3	4	5
130.	Alathur	3151	4219	4304
131.	Kuzhalmanna	3092	3965	4164
132.	Palakkad	2897	3196	3416
133.	Kollengode	3794	4755	4185
134.	Nenmara	3521	4552	4791
135.	Chittur	3634	4704	4283
136.	Mannarghat	2371	2422	1861
137.	Attappadi	-	-	-
138.	Sreekrishnapuram	1968	2317	1831
139.	Pattambi	2051	2199	2283
140.	Ottappalam	2360	3142	2470
141.	Thrithala	1587	1638	1632
<u>Municipalities</u>				
142.	Chittur-Thatha mangalam	3867	4982	4540
143.	Palakkad	3548	4189	3336
144.	Shornur	1611	2120	1719
Palakkad District		2985	3690	3517
145.	Malappuram	2065	2406	2565
146.	Manjeri	1892	2638	2329
147.	Kondotty	1665	2068	2082
148.	Vandoor	1951	2315	2143
149.	Nilamboor	2593	2619	3007
150.	Andathode	2182	2043	2109
151.	Ponnani	1872	2633	2239
152.	Perunthamma	2042	2426	1512
153.	Mankkada	2373	2636	2438
154.	Thirurangadi	1408	2160	1997
155.	Vengara	1824	1866	2149
156.	Tirur	1604	2716	2239
157.	Kuttiappuram	1843	2235	2009
158.	Thannur	1313	1702	1602
<u>Municipalities</u>				
159.	Manjeri	2369	2432	2278
160.	Malappuram	2984	3287	3873
161.	Tirur	1381	1760	1645
Malappuram Dist.		1989	2401	2206
162.	Balusseri	928	1714	1002
163.	Perambra	1401	1946	1651
164.	Meladi	832	1408	1026
165.	Pandalayani	658	1162	1149
166.	Kozhikode	1539	1796	1556
167.	Chelannur	933	1247	1170
168.	Koduvally	1635	2147	2243
169.	Kunnamangalam	1362	1756	1596
170.	Badagara	1501	2278	2656

1	2	3	4	5
171.	Thunerj	1225	1273	1396
172.	Kunnummel	1339	1483	1477
173.	Thodannur	1084	1819	1552
	<u>Municipalities</u>			
174.	Badagara	1305	1760	-
175.	Kozhikode Corporation	1136	1346	1184
	Kozhikode Dist.	1276	1736	1641
176.	Kalpetta		No Autumn paddy	
177.	Mananthavady		-do-	
178.	Sulthan Battery		-do-	
	Wayanad Dist.		-do-	
179.	Kuthuparambu	2223	2156	2019
180.	Peravoor	1913	2427	1936
181.	Iritty	1957	2589	2151
182.	Tellicherry	1793	2540	2500
183.	Kannur	2805	2322	2397
184.	Edakkad	2887	2416	2520
185.	Thaliparamba	2471	2720	2830
186.	Payyannur	2451	2868	2674
187.	Irikkur	2234	2293	2555
	<u>Municipalities</u>			
188.	Tellicherry	1881	-	1866
189.	Kannur	-	-	-
	Kannur Dist.	2354	2631	2563
190.	Kanhangad	2817	2832	2677
191.	Neeleswar	2390	2779	2353
192.	Manjeswar	2832	2635	2867
193.	Kasargode	2829	3372	3027
	<u>Municipalities</u>			
194.	Kasargode	2713	988	3117
195.	Kanhangad	2812	4622	1838
196.	Kasargode Dist.	2704	2785	2639
	KERALA STATE	2531	2991	2985

Table 2.2

Block/Municipality/Corporation wise estimates of mean-yield of dry paddy (Kg./Hect.) during Winter season from 1989 to 1991.

Sl. No.	Block/Municipality Corporation & District	1988-89	1989-90	1990-91
1	2	3	4	5
1.	Athiyannoor	2541	2572	2458
2.	Nemom	1960	2376	2210
3.	Parasala	2331	2094	2511
4.	Perumkadavila	2579	2718	2545
5.	Kazhakuttom	2391	2864	1738
6.	Thiruvananthapuram Rural	2355	3359	2527
7.	Nedumangad	2464	2563	2487
8.	Vellanadu	2340	2785	2286
9.	Vamanapuram	2725	2786	2186
10.	Chirayinkeezhu	2723	2784	2516
11.	Varkala	2501	2664	2206
12.	Kilimanoor	2698	2734	2434
<u>Municipalities</u>				
13.	Attungal	2764	2390	2212
14.	Nedumangad	2549	2640	2312
15.	Varkala	2352	2160	3263
<u>Corporation</u>				
16.	Thiruvananthapuram	2435	3057	1551
	Thiruvananthapuram Dist.	2519	2674	2288
17.	Anchalummoodu	1122	2504	2620
18.	Chittumala	2393	2321	2159
19.	Ithikara	2335	3156	2835
20.	Mukhathala	2058	2131	2023
21.	Karunagappally	1558	1673	1836
22.	Chavara	1744	2261	2292
23.	Ochira (Portion)	1402	1559	1714
24.	Sasthamcotta (Portion)	2152	2156	2167
25.	Kottarakkara	3038	3055	2658
26.	Vettikavala	2963	3250	2992
27.	Chadaya mangalam	2836	2970	2956
28.	Anchal	3111	3326	3103
29.	Pathanapuram	2987	3345	3281
<u>Municipalities</u>				
30.	Punalur	2992	3064	2802
31.	Kollam	-	1311	-
	Kollam Dist.	2585	2811	2643
32.	Parakode	3197	3068	2771
33.	Pandalam (Portion)	2279	2236	2611
34.	Sasthamcotta (Portion)	3530	2513	2165
35.	Kulanada Portion	3182	3205	3213
36.	Konni	3216	3369	3693
37.	Elanthoor	2988	3005	3229
38.	Ranni	3068	2873	2353
39.	Mallappally	3338	4083	3044
40.	Koipuram	4613	3774	3703
41.	Pulikeezhu	4246	4318	3715

1	2	3	4	5
	Municipalities			
42.	Pathanamthitta	3934	2537	2836
43.	Thiruvalla	2316	3367	3476
	Pathanamthitta Dist.	3234	3061	3004
44.	Thycattusseri	670	1304	1145
45.	Pattanakkad	543	958	913
46.	Kanjikuzhy	616	972	879
47.	Aryad	794	1232	1209
48.	Ambalapuzha	2954	2835	3758
49.	Harippad	2283	1787	2413
50.	Muthukulam	2087	1627	1884
51.	Ochira	1345	1559	1715
52.	Chengannur	2521	2985	2720
53.	Kulanada Portion	3105	3350	3457
54.	Mavelikkara	1801	2500	2169
55.	Bharanikavu	1818	2150	2331
56.	Pandalam Portion	2245	2197	2214
57.	Veliyanad	3865	4771	4546
58.	Champakulam	3261	4099	3951
	Municipalities			
59.	Alappuzha	-	3516	2861
60.	Chengannur	2378	2978	2591
61.	Kayamkulam	1775	2179	1323
62.	Mavelikkara	2227	2181	2122
61.	Sherthala	299	1048	1398
	Alappuzha District	2700	3355	3148
64.	Madappally	3574	3898	3464
65.	Vazhoor	2452	2400	2462
66.	Kanjirappally	3362	3491	-
67.	Pampady	3223	3564	3370
68.	Ettumannoor	3643	3619	2824
69.	Pallom	3856	4945	4504
70.	Uzhavoor	2889	3011	2981
71.	Lalam	2662	2764	2545
72.	Erattupettah	2780	3223	2686
73.	Vaikom	2573	3236	3278
74.	Kaduthuruthy	2705	3016	3337
	Municipalities			
75.	Changanassery	4865	3878	3460
76.	Kottayam	-	-	-
77.	Palai	3696	3402	2849
	Kottayam District	3120	3623	3507
78.	Thodupuzha	2931	3255	3040
79.	Elamdesom	3441	3440	3365
80.	Idukky	3157	2968	3533
81.	Arudai	3861	-	-
82.	Adimali	3977	3099	3471
83.	Devicola	-	4574	2925
84.	Kattappana	3400	4107	2779
85.	Nedumkanta	3220	4485	2245

1	2	3	4	5
	<u>Municipalities</u>			
86.	Thodupuzha	3703	2845	3865
	Idukky District	3398	3551	3235
87.	Alangad	2111	2670	2128
88.	Anga maly	2490	2940	2500
89.	Madappally	2550	2413	1814
90.	Koovappady	2651	2636	2132
91.	Kotha mangalam	2873	2803	2413
92.	Mulanthuruthy	2214	2664	2347
93.	Muva ttupuzha	2742	3109	2841
94.	Palluruthy	-	-	-
95.	Pa mpakuda	3000	3472	2857
96.	Parakadavu	2496	2624	2206
97.	Parur	1569	2673	1850
98.	Vadavucode	2819	2513	2175
99.	Vazhakula m	2763	2378	2280
100.	Vypeen	-	2933	1850
101.	Vyttila	-	-	-
	<u>Municipalities</u>			
102.	Anga maly	2554	2406	2611
103.	Kotha mangalam	2770	2834	2657
104.	Muva ttupuzha	3282	2838	2913
105.	Perumbavor	2218	1952	1782
106.	Thripunithura	1911	2041	2124
	<u>Corporation</u>			
	Cochin	965	1965	2949
107.	Ernakulam Dist.	2633	2729	2352
108.	Anthicaud	2912	3413	3572
109.	Cherpu	2922	3282	3369
110.	Ollukkara	2552	2897	2973
111.	Puzhakkal	2533	2841	2694
112.	Chowannur	2573	2565	2459
113.	Pazhayannur	2402	2700	2691
114.	Wadakkancherry	2174	2494	2655
115.	Chavakkad	1580	1551	1812
116.	Mullasserry	3149	2111	1993
117.	Thalikkulam	553	435	971
118.	Chalakkudy	2230	2292	2368
119.	Irinjalakuda	2342	2590	2623
120.	Kodakara	2213	2115	2620
121.	Vellangallur	1799	1913	2479
122.	Mala	2295	2541	2412
123.	Kodungallur	363	914	916
124.	Mathilakom	810	1449	1350
	<u>Municipalities</u>			
125.	Chavakkad	1660	1532	1693
126.	Chalakkudy	2341	2254	2816
127.	Irinjalakuda	2672	2373	2905
128.	Kodungallur	1182	1554	2253
129.	Thrissur	2640	2864	-
	Thrissur District	2391	2593	2674

1	2	3	4	5
130.	Alathur	3292	3793	3582
131.	Kuzhal mannam	3138	3731	3756
132.	Palakkad	3004	3102	3261
133.	Kollangode	2404	2486	3315
134.	Nenmara	2889	4254	4461
135.	Chittur	3951	3699	3874
136.	Mannarghat	2738	2488	2397
137.	Attappadi	3389	3486	3318
138.	Sreekrishnapuram	2506	2539	2360
139.	Pattambi	2254	2765	2623
140.	Ottappalam	2452	2863	2753
141.	Thrithala	2057	2285	2640
<u>Municipalities</u>				
142.	Chittoor - Thathamangalam	4386	4841	5000
143.	Palakkad	3602	2222	3202
144.	Shornur	2216	2733	2642
Palakkad Dist.		2673	3130	3282
145.	Malappuram	2242	2430	2783
146.	Manjeri	2343	2721	2447
147.	Kondotty	2061	2089	2226
148.	Vandoor	2325	2606	2826
149.	Nilambur	2728	2329	2582
150.	Andathode	2034	1769	2191
151.	Ponnani	1836	2113	2103
152.	Perinthal manna	2289	2168	2387
153.	Mankada	2238	2652	2485
154.	Thirurangadi	2075	1921	1928
155.	Vengara	1943	2319	2428
156.	Tirur	1721	1786	1900
157.	Kuttiippuram	1951	2560	2334
158.	Thanurç	1519	1461	1807
<u>Municipalities</u>				
159.	Manjeri	2549	2394	2685
160.	Malappuram	2109	2921	3692
161.	Tirur	1512	2154	2109
Malappuram Dist.		2137	2313	2773
162.	Balusseri	1486	1897	1946
163.	Perambra	2258	1673	1977
164.	Meladi	1318	1234	1843
165.	Panthalayani	973	1793	1052
166.	Kozhikode	1462	1382	1867
167.	Chelannoor	1130	1395	1487
168.	Koduvally	2173	2446	2246
169.	Kunnamangalam	2373	2132	2098
170.	Badagara	1363	1610	1473
171.	Thuneri	1535	1333	1414

1	2	3	4	5
172.	Kunnumel	1535	1333	1414
173.	Thodannur	1670	1789	1827
	<u>Municipalities</u>			
174.	Badagara	1358	1633	1573
	<u>Corporation</u>			
175.	Kozhikode	1407	1432	925
	Kozhikode Dist.	1845	1842	-
176.	Kalpetta	2861	2759	2753
177.	Mananthavady	3093	3101	3145
178.	Sulthan Battery	2952	3446	3205
	Wayanad Dist.	2981	3154	-
179.	Kuthuparamba	1729	2069	1814
180.	Peravoor	2322	2384	2355
181.	Iritty	2132	2263	2485
182.	Tellicherry	1642	1758	1810
183.	Kannur	2556	2886	2252
184.	Edakkad	2044	2502	2323
185.	Thaliparamba	2003	2182	2509
186.	Payyannur	2430	2684	2551
187.	Irikkur	2343	2150	2767
	<u>Municipalities</u>			
188.	Tellicherry	2024	761	1522
189.	Kannur	-	-	-
	Kannur District	2172	2333	2443
190.	Kanhangad	2303	2432	2613
191.	Neeleswar	2301	2410	2200
192.	Manjeswar	2467	2434	2503
193.	Kaasaragod	2473	3092	3215
	<u>Municipalities</u>			
194.	Kasargode	2202	2010	3088
195.	Kanhangad	2726	1916	2428
	Kasargode Dist.	2393	2499	2558
	KERALA STATE	2624	2857	2829

Table 2.3

Block/Municipality/Corporation wise estimates of mean-yield of dry paddy (Kg./Hect.) during Summer season from 1989 to 1991.

Sl. No.	Block/Municipality Corporation & District	1988-89	1989-90	1990-91
1	2	3	4	5
1.	Athiyanoor	-	3140	2414
2.	Nemom	2395	2549	1338
3.	Parasala	2373	2356	2215
4.	Perumkadavila	2082	2767	2088
5.	Kazhakootam	-	1106	-
6.	Thiruvananthapuram Rural	-	-	-
7.	Nedumangad	-	2740	-
8.	Vellanadu	-	1860	895
9.	Vamanapuram	1550	1142	1196
10.	Chirayinkeezhu	1171	-	-
11.	Varkala	-	674	-
12.	Kilimanoor	1083	1421	1028
<u>Municipalities</u>				
13.	Attingal	-	-	-
14.	Nedumangad	-	-	2081
15.	Varkala	-	-	-
<u>Corporation</u>				
16.	Thiruvananthapuram	-	-	-
	Thiruvananthapuram Dist.	2297	2250	1844
17.	Anchalummoodu	-	-	-
18.	Chittumala	-	1293	-
19.	Ithikkara	1768	1815	761
20.	Mukhathala	-	-	-
21.	Karunagappally	-	-	810
22.	Chavara	-	-	-
23.	Ochira (Portion)	-	-	-
24.	Sasthamcotta Portion	2050	1761	1517
25.	Kottarakkara	-	1826	1669
26.	Vetikkavala	-	2121	1379
27.	Chadaya mangalam	-	1842	1970
28.	Anchal	-	-	-
29.	Pathanapuram	1656	-	-
<u>Municipalities</u>				
30.	Punalur	-	-	-
31.	Kollam	-	-	-
	Kollam District	1891	1793	1438
32.	Parakode	2463	2481	1903
33.	Pandalam Portion	4542	3939	3595
34.	Sasthamcottah Portion	-	1645	-
35.	Kulanada Portion	4433	5109	4611
36.	Konni	-	-	-
37.	Elanthoor	3044	3985	3758
38.	Ranni	-	-	-
39.	Mallappally	4549	4121	4874
40.	Koipuram	4846	3675	4576

1	2	3	4	5
41.	Pulikeezhu	4844	5635	5129
	Municipalities			
42.	Pathanamthitta	-	-	-
43.	Thiruvalla	4438	5996	5179
	Pathanamthitta Dist.	4610	5085	4882
44.	Thycattuserry	-	-	-
45.	Pattanakkad	-	-	-
46.	Kanjikuzhy	-	-	-
47.	Aryad	-	-	-
48.	Ambalappuzha	3861	3221	2443
49.	Harippad	4337	4349	4199
50.	Muthukulam	4169	-	5229
51.	Ochira (Portion)	-	-	-
52.	Chengannur	3951	4243	3994
53.	Kulanada Portion	4697	4507	4220
54.	Mavelikkara	5180	4710	4375
55.	Bharanikkavu	2212	3846	3127
56.	Pandalam Portion	4638	5307	5021
57.	Veliyanad	3280	3847	3611
58.	Champakulam	3926	4509	3541
	Municipalities			
59.	Alappuzha	4523	2718	2411
60.	Chengannoor	3566	4011	-
61.	Kayamkulam	-	-	-
62.	Mavelikkara	-	-	2690
63.	Cherthala	3937	3828	-
	Alappuzha Dist.	3973	4274	3689
64.	Madappally	3647	4880	4239
65.	Vazhoor	-	-	-
66.	Kanjirappally	-	-	3779
67.	Pampady	-	3245	-
68.	Ettumanoor	3992	3675	3958
69.	Pallom	4427	5036	4789
70.	Uzhavoor	-	-	-
71.	Lalam	-	-	-
72.	Erattupettah	-	-	-
73.	Vaikom	-	-	-
74.	Kaduthuruthy	4377	4396	3858
	Municipalities			
75.	Changanacherry	4450	4153	3116
76.	Kottayam	4976	5179	3678
77.	Palai	-	-	-
	Kottayam Dist.	4098	4634	4341
78.	Thodupuzha	-	-	-
79.	Elamdesom	-	-	-
80.	Idukky	-	-	-
81.	Aradai	-	-	-

1	2	3	4	5
82.	Adimali	4439	-	-
83.	Devicola m	-	6203	-
84.	Kattappana	-	-	-
85.	Nedumkandam	-	-	-
	<u>Municipalities</u>			
86.	Thodupuzha	-	-	-
	Idukky District	4439	6203	-
87.	Alangad	2715	2586	2542
88.	Angamaly	2403	2110	2440
89.	Edappally	2273	2488	2158
90.	Koovappady	2506	2628	2444
91.	Kothamangalam	2482	2243	2106
92.	Mulamthuruthy	3234	4737	2612
93.	Muvattupuzha	2660	2400	2489
94.	Palluruthy	-	-	-
95.	Pampakuda	2855	2447	2249
96.	Parakode	2366	2530	2645
97.	Parur	-	-	-
98.	Vadavacode	2097	2302	2115
99.	Vazhakulam	2480	2305	2066
100.	Vypeen	-	-	-
101.	Vyttila	-	-	-
	<u>Municipalities</u>			
102.	Angamaly	2789	2510	2530
103.	Kothamangalam	2131	1099	1311
104.	Muvattupuzha	2629	2740	2199
105.	Perumbavoor	2090	2124	2254
106.	Thripunithura	-	-	-
	<u>Corporation</u>			
107.	Cochin	-	-	2342
	Ernakulam Dist.	2453	2406	2383
108.	Anthicad	2035	2044	3508
109.	Cherpu	2653	2567	3090
110.	Ollukkara	3254	3249	2849
111.	Puzhakkal	2892	2972	2788
112.	Chowannur	6110	5453	3545
113.	Pazhayannur	2485	2828	3259
114.	Wadakkancherry	2414	1961	3271
115.	Chavakkad	4185	4467	3000
116.	Mullassery	3506	2755	2885
117.	Thalikkulam	-	-	-
118.	Chalakkudy	2609	2533	2878
119.	Irinjalakuda	2642	3181	3445
120.	Kodakara	2389	2351	2579
121.	Mala	2794	2191	2959
122.	Vellangallur	2914	2512	3105
123.	Kodungallur	-	-	-
124.	Mathilakom	2125	3722	-

1	2	3	4	5
	Municipalities			
125.	Chavakkad	4185	4469	3000
126.	Chalakkudy	2599	2784	2894
127.	Irinjalakuda	2723	3827	3897
128.	Kodungallur	-	-	-
129.	Trissur	3944	3223	3090
	Trissur District	2999	2897	3033
130.	Alathur	3239	-	3223
131.	Kuzhal mannam	3587	4228	2342
132.	Palakkad	3351	2125	3044
133.	Kollengode	3735	-	-
134.	Nenmara	-	4133	3034
135.	Chittur	-	4133	-
136.	Mannarghat	2336	2249	1937
137.	Attappadi	2746	4127	2423
138.	Sreekrishnapuram	2040	2597	2320
139.	Pattambi	2219	2620	3306
140.	Ottappalam	3739	2718	3209
141.	Thrithala	2519	2724	2926
	Municipalities			
142.	Chittur-Thathamangalam	-	-	2377
143.	Palakkad	-	-	-
144.	Shornur	3206	-	2142
	Palakkad Dist.	2572	2825	2350
145.	Malappuram	2029	1787	2041
146.	Manjeri	2473	2283	2641
147.	Kondotty	1743	1886	1723
148.	Vandoor	2080	1676	2214
149.	Nilamboor	2747	3298	2252
150.	Andathode	3022	3229	4037
151.	Ponnani	4255	3792	3678
152.	Perinthal manna	2071	1837	2106
153.	Mankada	2674	2473	3027
154.	Thirurangadi	3133	3878	2906
155.	Vengara	2823	3768	2491
156.	Tirur	3546	3454	2408
157.	Kuttiapuram	2612	2190	2431
158.	Thanur	2537	2265	1954
	Municipalities			
159.	Manjeri	2093	1803	1708
160.	Malappuram	-	-	-
161.	Tirur	2487	-	2705
	Malappuram Dist.	3123	3212	3288
162.	Balusseri	1956	1709	1682
163.	Perambra	1876	2227	2649
164.	Meladi	1978	2114	2372
165.	Panthalayani	1218	951	1395
166.	Kozhikode	2881	2188	2537
167.	Chelannur	1633	1810	1504

1	2	3	4	5
168.	Koduvally	2262	2029	2025
169.	Kunna mangalam	1571	1577	1581
170.	Badagara	-	-	-
171.	Thuner	-	-	1867
172.	Kunnummel	2611	2799	2093
173.	Thodannur	2588	1612	2646
	<u>Municipalities</u>			
174.	Badagara	-	-	-
	<u>Corporation</u>			
175.	Kozhikode	1698	-	1245
	Kozhikode Dist.	1945	2051	2209
176.	Kalpetta	2727	2531	2787
177.	Mananthavady	3125	2699	4136
178.	Sulthan Battery	3349	2669	3426
	Wayanad District	3112	2853	3520
179.	Kuthuparamba	1923	1255	1522
180.	Peravoor	1906	2270	2348
181.	Iritty	1251	1522	1813
182.	Tellicherry	1522	-	-
183.	Kannur	-	2388	-
184.	Edakkad	1634	1649	1959
185.	Thaliparamba	-	1826	2283
186.	Payyannur	1015	1575	1903
187.	Irikkur	2019	2071	2214
	<u>Municipalities</u>			
188.	Tellicherry	-	-	-
189.	Kannur	-	-	-
	Kannur District	1765	1914	2055
190.	Kanhangad	2388	2399	2565
191.	Neeleswar	1989	2211	2217
192.	Manjeswar	2532	2537	2630
195.	Kasargode	2495	2522	2457
	<u>Municipalities</u>			
194.	Kasargode	3224	3100	-
195.	Kanhangad	2146	3208	2568
	Kasargode Dist.	2439	2497	-
	KERALA STATE	3295	3387	3356

Table 3.1

District-wise estimated area, mean yield and production of High Yielding and other Varieties of Paddy (Autumn - 1990-91)

Sl. No	District/State	High Yielding Varieties			Other Varieties			All Varieties		
		Area (Hect.)	Mean yield of dry Paddy (Kg/ha.)	Production of rice (Tonnes)	Area (Hect.)	Mean yield of dry paddy (Kg/Ha)	Production of rice (Tonnes)	Area (Hect.)	Mean yield of dry paddy (Kg/Ha)	Production of rice (Tonnes)
1	2	3	4	5	6	7	8	9	10	11
1.	Thiruvananthapuram	4668	3466	10629	6089	2852	11409	10757	3118	22038
2.	Kollam	10808	3454	24524	3754	2517	6208	14562	3212	30732
3.	Pathanamthitta	2146	3143	4432	2086	2608	3574	4232	2879	8006
4.	Alappuzha	15841	2218	33494	9123	3013	18062	24964	3143	51556
5.	Kottayam	7962	3322	17375	2015	2967	3928	9977	3250	21303
6.	Idukki	197	2859	370	1871	3405	4186	2068	3353	4556
7.	Ernakulam	11761	2896	22378	13039	2444	20933	24800	2658	43311
8.	Trissur	3987	2726	7141	22043	2389	34605	26030	2441	41746
9.	Palakkad	8561	3535	19881	65311	3515	150815	73872	3517	170696
10.	Malappuram	5710	2877	10793	15614	1936	20111	21324	2206	30904
11.	Kozhikode	956	2293	1440	2019	1332	1767	2975	1641	3207
12.	Wayanad	-	-	-	-	-	-	-	-	-
13.	Kannur	5105	2788	9350	6906	2397	10874	12011	2563	20224
14.	Kasaragode	2323	3195	4850	6183	2436	9896	8506	2639	14746
	STATE	80025	3170	166657	156063	2891	296368	236078	2985	463025

Table 3.2
District-wise estimated area, mean yield and production of High Yielding and other Varieties of Paddy (Winter - 1990-91)

Sl. No	District/ State	High Yielding Varieties			Other Varieties			All Varieties		
		Area (Hect.)	Mean yield of dry Paddy (Kg/ha.)	Production of rice (Tonnes)	Area (Hect.)	Mean yield of dry paddy (Kg/Ha)	Production of rice (Tonnes)	Area (Hect.)	Mean yield of dry paddy (Kg/Ha)	Production of rice (Tonnes)
1	2	3	4	5	6	7	8	9	10	11
1.	Thiruvananthapuram	2453	2627	4234	8150	2186	11707	10603	2288	15941
2.	Kollam	1142	2967	2226	14755	2618	25376	15897	2643	27602
3.	Pathanamthitta	2095	3217	4428	3466	2876	6548	5561	3004	10976
4.	Alappuzha	7828	4073	20946	10320	2447	16593	18148	3148	37539
5.	Kottayam	6243	3774	15481	2901	2930	5585	9144	3507	21066
6.	Idukki	619	2808	1142	2391	3345	5255	3010	3235	6397
7.	Eranakulam	4032	2460	6517	23044	2333	35324	27076	2352	41841
8.	Trissur	5278	3232	11209	29214	2574	49397	34492	2674	60606
9.	Palakkad	1269	3645	3039	69476	3276	149520	70745	3282	152559
10.	Malappuram	3156	2711	5621	23783	2328	36375	26939	2373	41996
11.	Kozhikode	708	1978	920	6698	1879	8267	7406	1888	9187
12.	Wayanad	3147	4215	8715	14125	2819	26157	17272	3073	34872
13.	Kannur	1564	2868	2947	5733	2328	8767	7297	2443	11714
14.	Kasaragode	471	3267	1011	4503	2484	7348	4974	2558	8359
	STATE	40005	3365	88436	218559	2731	392219	258564	2829	480655

Table 3.3
District-wise estimated area, mean yield and production of High Yielding and other Varieties of Paddy (Summer - 1990-91)

Sl. No	District/ State	High Yielding Varieties			Other Varieties			All Varieties		
		Area (Hect.)	Mean yield of dry Paddy (Kg/ha.)	Production of rice (Tonnes)	Area (Hect.)	Mean yield of dry paddy (Kg/Ha)	Production of rice (Tonnes)	Area (Hect.)	Mean yield of dry paddy (Kg/Ha)	Production of rice (Tonnes)
1	2	3	4	5	6	7	8	9	10	11
1.	Thiruvananthapuram	43	1734	49	274	1861	335	317	1844	384
2.	Kollam	33	1753	38	21	942	13	54	1438	51
3.	Pathanamthitta	3929	5004	12918	512	3942	1326	4441	4882	14244
4.	Alappuzha	13762	3683	33302	3801	3710	9266	17563	3689	42568
5.	Kottayam	7022	4345	20047	114	4046	303	7136	4341	20350
6.	Idukki	-	-	-	-	-	-	-	-	-
7.	Eranakulam	3732	2521	6181	7470	2314	11356	1202	2383	17537
8.	Trissur	8318	3314	18112	5198	2584	8823	13516	3033	26935
9.	Palakkad	281	2936	542	789	2141	1110	1070	2350	1652
10.	Malappuram	2785	3637	6654	886	2192	1276	3671	3288	7930
11.	Kozhikode	1017	2517	1682	664	1738	758	1681	2209	2440
12.	Wayanad	1650	4003	4339	1421	2960	2763	3071	3520	7102
13.	Kannur	82	2524	136	192	1855	234	274	2055	370
14.	Kasaragode	132	3217	279	680	2364	1056	812	2502	1335
	STATE	42786	3710	104271	22022	2669	38619	64808	3356	142898

Table : 4.1

District-wise number of experiments and mean yield of paddy (Kg./Ha) according to various Cultivation practices - Summer - 1990-91

Name of District	Variety	Chemically manured			Irrigated			Not manured			Total
		No. of experi-ments	Mean yield	No. of experi-ments	Mean yield	No. of experi-ments	Mean yield	No. of experi-ments	Mean yield	No. of experi-ments	
1	2	3	4	5	6	7	8	9	10		
Thiruvananthapuram	HYV	27	3327	-	-	-	-	27	3327		
	Local	79	2413	2	2332	-	-	81	2411		
	Total	106	2646	2	2332	-	-	108	2917		
Kollam	HYV	-	-	-	-	-	-	-	-		
	Local	-	-	-	-	-	-	-	-		
	Total	-	-	-	-	-	-	-	-		
Pathanamthitta	HYV	-	-	-	-	-	-	-	-		
	Local	-	-	-	-	-	-	-	-		
	Total	-	-	-	-	-	-	-	-		
Alappuzha	HYV	-	-	-	-	-	-	-	-		
	Local	-	-	-	-	-	-	-	-		
	Total	-	-	-	-	-	-	-	-		
Kottayam	HYV	10	2811	-	-	-	-	10	2811		
	Local	12	3310	-	-	1	3155	13	3298		
	Total	22	3083	-	-	1	3155	23	3086		
Idukki	HYV	-	-	-	-	-	-	-	-		
	Local	-	-	-	-	-	-	-	-		
	Total	-	-	-	-	-	-	-	-		
Ernakulam	HYV	95	3258	2	2164	20	1308	117	2906		
	Local	20	2637	-	-	5	1877	25	2485		
	Total	115	3150	2	2164	25	1422	142	2820		

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Table : 4.1 Contd.....

Name of District	Variety	Un irrigated											
		Chemically manured			Other manured			Not manured			Total		
		No of experi-ments	mean yield	No of experi-ments	mean yield	No of experi-ments	mean yield	No of experi-ments	mean yield	No of experi-ments	mean yield		
1	2	11	12	13	14	15	16	17	18	19	20	21	22
Thiruvananthapuram	HYV	119	3483	-	-	-	-	119	3483	64	3720	82	3268
	Local	107	2962	1	2962	-	-	108	2962	83	3201	106	2579
	Total	226	3236	1	2962	-	-	227	3238	147	3427	188	2880
Kollam	HYV	212	3460	12	2986	2	2813	226	3454	41	3600	185	3422
	Local	83	2518	6	2501	-	-	89	2517	17	2503	72	2520
	Total	295	3195	18	2824	2	2813	315	3212	58	3278	257	3169
Pathanamthitta	HYV	128	3147	-	-	3	3002	131	3144	94	3199	37	3004
	Local	66	2611	1	-	1	2549	68	2611	142	2600	100	2488
	Total	194	2965	-	-	4	2889	198	2962	142	3023	56	2812
Alappuzha	HYV	110	3313	22	2992	11	2720	143	3218	64	3410	79	3062
	Local	81	3207	17	2307	9	2600	107	3013	49	3791	58	2356
	Total	191	3268	39	2693	20	2666	250	3143	113	3575	137	2763
Kottayam	HYV	168	3339	-	-	5	3111	173	3332	159	3389	24	2879
	Local	65	2892	1	2764	1	2801	67	2889	69	3009	11	2705
	Total	233	3214	1	2764	6	3059	240	3256	228	3274	35	2824
Idukki	HYV	8	2859	-	-	-	-	8	2859	7	2965	1	2115
	Local	73	3405	1	3395	2	3401	76	3405	48	4227	28	1995
	Total	81	3351	1	3395	2	3401	84	3353	55	4066	29	1999
Ernakulam	HYV	57	2901	-	-	13	2820	70	2886	108	2993	79	2764
	Local	144	2659	3	1756	31	1477	178	2438	112	2876	91	1912
	Total	201	2728	3	1756	44	1874	248	2589	220	2933	170	2308

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Contd.....

Table 4.1 Contd.....

1	2	3	4	5	6	7	8	9	10
Trissur	HYV	5	1822	-	-	-	-	5	1822
	Local	1	2498	-	-	-	-	1	2498
	Total	6	2123	-	-	-	-	6	2123
Palakkad	HYV	10	3645	-	-	-	-	10	3645
	Local	45	4515	5	4091	3	2764	53	4063
	Total	55	4357	5	4091	3	2764	63	4050
Malappuram	HYV	1	2483	-	-	-	-	1	2483
	Local	-	-	-	-	-	-	-	-
	Total	1	2483	-	-	-	-	1	2483
Kozhikode	HYV	-	-	-	-	-	-	-	-
	Local	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-
Wayanad	HYV	-	-	-	-	-	-	-	-
	Local	-	-	-	-	-	No	-	-
	Total	-	-	-	-	-	-	-	-
Kannur	HYV	-	-	-	-	-	-	-	-
	Local	5	2453	-	-	-	-	5	2453
	Total	5	2453	-	-	-	-	5	2453
Kasaragode	HYV	-	-	-	-	-	-	-	-
	Local	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-
STATE	HYV	148	3213	2	2164	20	1308	170	2976
	Local	162	3093	7	3588	9	2315	178	3075
	Total	310	3150	9	3272	29	1621	348	3026

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Contd.....

Table 4.1 Contd....

1	2	11	12	13	14	15	16	17	18	19	20	21	22
Trissur	HYV	108	2831	11	2100	5	2207	124	2741	63	2730	66	2722
	Local	234	2485	22	1721	13	1791	269	2389	135	2389	135	2389
	Total	342	2594	33	1847	18	1907	393	2443	198	2498	201	2498
Palakkad	HYV	54	3697	6	2403	1	1274	61	3530	15	4166	56	3366
	Local	298	4100	43	1096	7	1372	348	3403	86	3372	315	3554
	Total	352	4038	49	1256	8	1360	472	3517	101	3490	371	3527
Malappuram	HYV	100	2900	31	2815	5	2856	136	2879	45	3004	92	2815
	Local	234	1971	81	1879	24	1787	339	1936	120	2146	219	1821
	Total	334	2249	112	2138	29	1971	475	2206	165	2380	311	2115
Kozhikode	HYV	35	2301	25	2295	11	2263	71	2293	11	2397	60	2274
	Local	128	1359	62	1313	18	1205	208	1332	20	1360	188	1329
	Total	163	1561	87	1595	29	1606	279	1576	31	1728	248	1558
Wayanad	HYV												
	Local												
	Total												
Kannur	HYV	148	3032	50	2698	8	1164	206	2788	31	3356	175	2723
	Local	165	2511	35	2352	4	1912	204	2397	34	2594	175	2359
	Total	313	2757	85	2556	12	1413	410	2563	65	2957	350	2541
Kasargode	HYV	72	3222	15	3065	-	-	87	3195	29	3251	58	3167
	Local	154	2481	25	2441	10	1731	189	2436	64	2440	125	2434
	Total	226	2717	40	2675	10	1731	276	2639	93	2693	183	2666
STATE	HYV	1319	3200	172	2702	64	2462	1555	3115	731	3258	994	2985
	Local	1832	2736	297	1786	120	1698	2249	2555	885	2821	1542	2403
	Total	3151	2930	469	2122	184	1964	3804	2784	1616	3019	2536	2631

Table : 4.3
District-wise number of experiments and mean yield of paddy (Kg./Ha) according to various
Cultivation practices - Summer - 1990-91

Name of District	Variety	Irrigated									
		Chemically manured			Other manured			Not manured			Total
		No of experi-ments	Mean yield	No of experi-ments	Mean yield	No of experi-ments	Mean yield	No of experi-ments	Mean yield	No of experi-ments	Mean yield
1	2	3	4	5	6	7	8	9	10		
Thiruvananthapuram	HYV	47	1776	3	120	-	-	50	1679		
	Local	59	1861	-	-	-	-	59	1861		
	Total	106	1823	3	120	-	-	109	1778		
Kollam	HYV	22	1970	-	-	-	-	22	1970		
	Local	17	1517	-	-	-	-	17	1517		
	Total	39	1773	-	-	-	-	39	1773		
Pathanamthitta	HYV	82	4348	-	-	-	-	82	4348		
	Local	54	2878	-	-	-	-	54	2878		
	Total	136	3764	-	-	-	-	136	3764		
Alappuzha	HYV	69	4192	-	-	1	1942	70	4160		
	Local	16	3169	-	-	-	-	16	3169		
	Total	85	3999	-	-	1	1942	86	3976		
Kottayam	HYV	64	3986	-	-	-	-	64	3986		
	Local	9	3660	-	-	-	-	9	3660		
	Total	73	3945	-	-	-	-	73	3945		
Idukky	HYV										
	Local										
	Total										
Ernakulam	HYV	111	2313	4	2575	2	3123	117	2336		
	Local	116	2336	15	2212	5	1735	136	2300		
	Total	227	2325	19	2288	7	2131	253	2318		
				No Summer Paddy							

Table : 4.3 Contd.....

Name of District	Variety	Un irrigated										Total	Treated with plant protection Chemicals		Not Treated with plant protection Chemicals			
		Chemically manured					Other manured						Not manured					No. of experiments
1	2	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
Thiruvananthapuram	HYV	23	1810	-	-	-	-	23	1810	58	1934	13	899	-	-			
	Local	-	-	-	-	-	-	-	-	48	1731	13	2345	-	-			
	Total	23	1810	-	-	-	-	23	1810	106	1842	26	1622	-	-			
Kollam	HYV	6	1310	-	-	-	-	6	1310	25	2048	2	655	-	-			
	Local	26	450	-	-	-	-	25	450	33	1456	10	581	-	-			
	Total	31	616	-	-	-	-	31	616	58	1711	12	593	-	-			
Pathanamthitta	HYV	-	-	5	3496	1	770	6	3041	88	4259	-	-	-	-			
	Local	-	-	-	-	-	-	-	-	51	2878	3	2881	-	-			
	Total	-	-	5	3496	1	770	6	3041	139	3282	3	2881	-	-			
Alappuzha	HYV	40	3024	-	-	1	4360	41	3056	111	3752	-	-	-	-			
	Local	10	3751	-	-	-	-	10	3751	24	3602	2	881	-	-			
	Total	50	3169	-	-	1	4360	51	3192	135	3726	2	881	-	-			
Kottayam	HYV	36	4066	-	-	-	-	36	4066	100	4015	-	-	-	-			
	Local	1	3452	-	-	-	-	1	3452	10	3639	-	-	-	-			
	Total	37	4050	-	-	-	-	37	4050	110	3981	-	-	-	-			
Idukky	HYV	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	Local	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Ernakulam	HYV	-	-	-	-	-	-	-	-	111	2307	6	2883	-	-			
	Local	1	783	-	-	-	-	1	783	111	2347	26	2042	-	-			
	Total	1	783	-	-	-	-	1	783	222	2327	32	2200	-	-			

Contd.....

Table: 4.3 Contd.....

	1	2	3	4	5	6	7	8	9	10
Thrissur	HYV		190	3459	-	-	-	-	190	3459
	Local		162	2644	13	2154	-	-	175	2608
	Total		352	3084	13	2154	-	-	365	3051
Palakkad	HYV		87	3412	5	3290	1	2378	93	3394
	Local		144	2423	13	1598	2	2357	159	2355
	Total		231	2795	18	2068	3	2364	252	2738
Malappuram	HYV		235	3052	10	2155	1	1599	246	3010
	Local		161	2832	22	2636	9	1454	192	2745
	Total		396	2963	32	2474	10	1469	438	2894
Kozhikode	HYV		72	2790	12	1507	2	2121	86	2595
	Local		78	1522	18	1257	2	837	98	1459
	Total		150	2130	30	1357	4	1479	184	1990
Wayanad	HYV		90	4163	9	2515	3	1439	102	3938
	Local		59	2781	7	2665	3	2145	69	2742
	Total		149	3616	16	2581	6	1792	171	3455
Kannur	HYV		88	2903	4	1518	-	-	92	2843
	Local		117	3256	24	1183	1	1392	142	2892
	Total		205	3104	28	1231	1	1392	234	2873
Kasaragode	HYV		51	3066	1	2307	-	-	52	3051
	Local		145	2188	10	1971	-	-	155	2174
	Total		196	2416	11	2001	-	-	207	2394
STATE	HYV		1208	3264	48	2013	10	2072	1266	3023
	Local		1137	2515	122	1880	22	1635	1281	2362
	Total		2345	2901	170	1918	32	1772	2547	2691

Table 4.3 Contd.—

1	2	11	12	13	14	15	16	17	18	19	20	21	22
Thrissur	HYV	1	2095	-	-	-	-	1	2095	175	3530	16	2593
	Local	-	-	-	-	-	-	-	-	164	2559	11	3329
	Total	1	2095	-	-	-	-	1	2095	339	3061	27	2893
Palakkad	HYV	1	2017	-	-	-	-	1	2017	63	4144	31	1825
	Local	8	2524	1	474	2	2475	11	2328	100	2393	70	2295
	Total	9	2467	1	474	2	2475	12	2302	163	3070	101	2155
Malappuram	HYV	-	-	-	-	-	-	-	-	224	3136	22	1721
	Local	-	-	-	-	-	-	-	-	148	2754	44	2714
	Total	-	-	-	-	-	-	-	-	372	2984	66	2383
Kozhikode	HYV	24	2650	-	-	-	-	24	2650	72	3072	38	1726
	Local	2	1055	-	-	-	-	2	1055	35	1437	65	1459
	Total	26	2527	-	-	-	-	26	2527	107	2537	103	1557
Wayanad	HYV	11	3544	1	611	-	-	12	3300	42	4723	72	3374
	Local	15	3019	4	1860	3	1857	22	2650	29	3171	62	2509
	Total	26	3241	5	1610	3	1857	34	2879	71	4089	134	2973
Kannur	HYV	-	-	-	-	-	-	-	-	52	3241	40	2325
	Local	-	-	-	-	-	-	-	-	58	3069	84	2770
	Total	-	-	-	-	-	-	-	-	110	3150	124	2627
Kasarode	HYV	-	-	-	-	-	-	-	-	44	3290	8	1738
	Local	-	-	-	-	-	-	-	-	68	2731	87	1751
	Total	-	-	-	-	-	-	-	-	112	2951	95	1750
STATE	HYV	142	2983	6	3015	2	2565	150	3131	1155	3240	248	1883
	Local	62	1945	5	1583	5	2104	72	1931	879	2541	477	2269
	Total	204	2668	11	2364	7	2236	222	2762	2034	2938	725	2137

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