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**GOVERNMENT OF KERALA**

**ANNUAL REVIEW OF CROP STATISTICS  
SYSTEM IN KERALA THROUGH SCHEME FOR  
IMPROVEMENT OF CROP STATISTICS**

**2007-08**

**Department of Economics & Statistics  
Kerala**

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**2007-08**

**DEPARTMENT OF ECONOMICS AND STATISTICS  
KERALA**

## PREFACE

Ministry of Agriculture and Co-operation, Government of India is being implemented the scheme on Improvement of Agriculture Statistics for the collection of Agriculture Statistics in various States in India. The components of the scheme on Improvement of Agriculture Statistics are the Timely Reporting system, Establishment of an Agency for Reporting Agricultural Statistics, Improvement of Crop Statistics, and Vegetable and Fruit survey. In Kerala, the scheme on EARAS and I.C.S. scheme are being implemented annually for the collection of data on Agriculture statistics.

The scheme on Improvement of Crop Statistics is being implemented in the state by the Joint efforts of National Sample Survey Organization and the State Agricultural Statistical Authority (D.E.S.) by conducting sample survey by 50%. Central Samples by N.S.S.O. and 50% State Samples by S.A.S.A.

The Annual Review report on Improvement of Crop Statistics for 2007-08 is the first attempt of the department to publish a report in respect of the implementation of the scheme in the state. This report is prepared by the sample check unit functioning in the Directorate of Economics & Statistics. In this circumstance, I congratulate and appreciate the services made by the Officers of this unit especially the service of Shri.M.Noushar, Statistical Investigator Grade – I for the preparation and publication of this report.

**M.R.BALAKRISHNAN**

**DIRECTOR**

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## **I. INTRODUCTION**

The scheme Improvement of Crop Statistics was introduced from Rabi I season of 1973-74 with the main objective of improving the quality and reliability of area and yield statistics by locating deficiencies in the state system of collection of area and yield statistics and suggest remedial measures through the joint efforts of FOD of NSSO, GOI and State Agricultural Statistical Authorities (SASAs). The primary responsibility of collection of data on crop statistics rest with the State Government. Crop statistics has two major components, area sown and average yield. Land use statistics is collected by area enumeration survey. Yield rates of principal crops are estimated through General Crop Estimation Survey. The estimates of area and yield are compiled by state DES and transmitted to the Directorate of Economics & Statistics, Ministry of Agriculture and Co-operation, Government of India.

This report contains full account of the current position of estimation of crop production, the procedures followed for enumeration of area and yield and the steps to be taken for improving the system. The report also give the position of training to staff entrusted with crop cutting work, the equipment supplied to them, the adequacy of experiments planned under GCES, the response rate etc. Besides the findings of sample checks under ICS scheme on the working of the system are also brought out indicating the remedial measures to rectify the deficiencies observed. It also provides comparison of estimates of yield of crops based on sample checks under the scheme for Improvement of Crop Statistics and General Crop Estimation Survey.

### **1. District level co-ordination committees**

District level co-ordination committees are also functioning in the state with representatives of NSSO and State Government (DES). This committee discusses the reasons for large differences/ no differences between the entries made by supervisor and primary worker in area enumeration.

## 2. The scheme for improvement of Crop Statistics (ICS)

The scheme accomplishes its objectives by conducting sample check on the primary fieldwork through

- (1) Physical verification of the crop enumeration done by the investigator in a sample of 80 IV zones in each season.
- (2) Checking the aggregation of crop wise area in the Form I diary and
- (3) Inspection of crop cutting experiments at harvest stage in an agricultural year.

The sample checks are undertaken by the supervisory staff of NSSO (FOD) and the Supervisory staff (ADOs) of DES on matching basis in two non-overlapping sample. The basic data collected through these check are exchanged between two agencies.

Three schedules viz., AS 1.0, AS 1.1 and AS 2.0 are used for recording the findings of sample checks on (a) area enumeration (b) aggregation of area and (c) crop cutting experiment respectively. The filled in schedules are sent to both agencies on reciprocal basis for tabulation and analysis.

The programme of sample check on area enumeration consists of selecting and locating a sample of 4 clusters in each selected IV zone with the help of village maps and recording actual utilization to which land under survey numbers are put during each season and comparing these with the corresponding entries made by the investigator in respect of these clusters.

The programme of sample check on area aggregation consists of finding out the totals of area figures recorded by the investigator under different utilization in form I diary maintained by him and comparing them with the totals arrived by the supervisor.

The concurrent inspection of crop cutting experiments at harvest stage consists of examining whether the conduct of the experiments by the investigator conforms to

the procedures prescribed under GCES. The inspection covers aspects such as selection of fields and random coordinates, marking of experimental plots of specified shape and size, harvesting of plants, weighing of the produce etc. In addition, the position regarding the supply and use of equipments for conducting the experiments, training received by the primary workers, crop condition, use of inputs etc. are also ascertained.

The data collected through the sample check are analysed facilitating factual appraisal of the system with reference to the following..

- (1) Timeliness in completion of area enumeration and working of the EARAS Scheme
- (2) Discrepancies in recording a crop area, their frequency and impact.
- (3) Discrepancies in recording ancillary information, their frequency and impact.
- (4) Discrepancies in crop abstract statement and their impact.
- (5) Departures from the prescribed procedure for conducting crop cutting experiments and their impact.

The yield data from the supervised experiments are also used for obtaining the average yield rates of specified crops and their standard errors. The calculation of standard errors and their study is helpful in assessing the adequacy of the sample size, trend of changes in yield rates and in planning other allied studies.

### **Analysis of data-2007-08**

## **II. Check on Area Enumeration and Area Aggregation**

Every year 80 Investigator Zones each under the Central and State samples are selected for sample check on Area Enumeration and Area Aggregation. The sample checks are conducted immediately after the prescribed EARAS area enumeration survey.

## **1. Response in Sample Check on Enumeration of Area during 2007-08**

The response in sample check on area enumeration ie, the no. of IV zones for which filled in schedules were received during 2007-08 is given in Table I. The response was cent percent for Central samples and state samples during Autumn, Winter and Summer seasons.

## **2. Completion of Area enumeration under EARAS.**

Under EARAS, the Investigator is required to complete enumeration of area in each season according to a prescribed time schedule and also to submit EARAS statement to higher authorities immediately on completion of enumeration work. The sample checks are programmed to be carried out in a month's time after the due date for the completion of area enumeration. Provision exists in schedule AS 1.0 for collecting information on the due and actual dates of completion of area enumeration as well as the submission of EARAS statement. Analysis of data collected indicates how far the time programme under EARAS being adhered to by primary workers and throws light on delays which would defeat the purpose of EARAS

Timeliness in completion of area enumeration during 2007-08 is given in Table – II. 86.2%, 98.75%, and 97.5% cases for central sample and 81.6%, 93.43% and 84.2% cases for state sample were completed girdawari in time during Autumn, Winter and Summer season respectively. 8.75% and 2.5% cases for central sample during Autumn and Summer season and 17.1%, 6.58%, 15.8% cases for state sample during Autumn, Winter and Summer season reported that the area enumeration has completed after the due date. 2.5% cases for central sample has reported the non-completion of area enumeration till the time of the supervisors visit during Autumn season. 33.33% cases for state sample in Pathanamthitta district and 20% and 16% cases for Trissur and Kozhikoode districts for Central Sample during Autumn season and 12.5% cases for central sample in Idukki district during winter season are not reported the date of completion of area enumeration.



### 3. Submission of EARAS Statement

The details of season wise submission of EARAS crop statements during 2007-08 are indicated in Table III. Timely submission of these statements still needs considerable improvement. The tendency of submitting these statements without completing area enumeration work was observed to be the order of 2 to 7%. This is a matter of concern. The percentage of IV zones for which EARAS statement was submitted without completion of area enumeration was very high in Thiruvananthapuram, Kollam, Ernakulam and Kannur districts. EARAS statement submitted after completing area enumeration by due date is very less in Autumn season. Many of the cases not reported the date of submission of EARAS statements.

### 4. Discrepancies in recording crop and crop areas

The crop utilization and area reported by the Investigator in the state system and with the corresponding entries made by the technical personnel associated with the ICS programme reveal the following types of discrepancies.

- (1) Non-reporting of crops actually grown (E1)
- (2) Reporting of crops actually not grown (E2)
- (3) Reporting of incorrect area of crops (E3)

The percentage of Survey nos. in which different types discrepancies in recording paddy area by the investigator during Autumn, Winter and Summer for the year 2007-08 are given in Table IV.

The most predominant error observed was that of not recording the crop actually grown in the field (E1), which occurred mostly in Thrissur, Kollam and Kannur districts. Reporting of incorrect area (E3) was found high in Pathanamthitta, Kottayam, Thrissur and Kozhikode districts.

## 5. Discrepancies in recording variety particulars of seed used

Information on distribution of survey numbers as per the type of seed used for paddy during Autumn, Winter and Summer is given in Table 5(a), 5(w) and 5(s) respectively. Seed variety observed by the supervisor differed from that reported by investigator in Thrissur and Palakkad district during Autumn season, Kollam Pathanamthitta and Palakkad districts during winter and Thrissur district during summer. The impact of discrepancies requires adequate attention for controlling the situation.

## III. Check on Crop Cutting Experiment

### 1. Sample check on crop cutting experiment

Table 6 reflects the number of experiments planned and percentage response achieved under the sample checks on crop cutting experiments in each district during different seasons of the year 2007-08. The response position was almost cent percent for paddy, but 99% response reported for central sample for Winter and Summer seasons.

### 2. Distribution of number of experiments conducted by important inputs

Table 7(i), 7(ii) and 7(iii) show the details of distribution of paddy crop cutting experiments conducted according to the percentage of experiments irrigated, sown with high yielding varieties of seeds and applied with fertilizer. In the programme of sample check under ICS on crop cutting experiments, particular emphasis has been given to ensure that supervisors are invariably present at the harvest stage to inspect the technique and procedure adopted by the Investigators, and provide support and guidance wherever necessary. The extent of participation at harvest stage is presented in the tables. It is seen from these tables that while the Central personnel were able to participate in the programme at harvest stage to the extent of 100%, 95% and 98% during Autumn, Winter and Summer seasons for paddy 2007-'08 respectively and the state personnel's participation was 91%, 99% and 100% respectively. The extent of

participation at harvest stage is cent percent for state personnel for the crops Tapioca, Banana, Plantain and Arecanut. While the central personnel were able to participate at cent percentage programme at harvest stage for the crops Tapioca and Plantain.[Tables 7(iv),7(v),7(vi),7(vii) & 7(viii)]

### 3. Procedural Deviations and Discrepancies

Particulars gathered during the visit of technical personnel are used to assess the extent to which the procedural guidelines prescribed for the conduct of crop cutting experiments were observed by the statistical investigators. Incidences of deviation and departures observed during the sample check programme for each crop are :

E1 – Error in selection of survey/ sub-survey numbers

E2 – Error in selection of field within survey/ sub-survey

E3 – Error in measurement of field

E4 – Error in selection of random nos., location and marketing of plots.

E5 – Error in weighing of produce

E6 – Error in reporting auxiliary information

E7 – Inadequate arrangement of storing procedure for drilage and incorrect reporting of constituents in crop mixtures.

E8 – Others

In 99% cases the experiment conducted were free from procedural errors during 2007-08.

### 4. Supply and use of Crop Cutting Equipments

Information on supply and use of crop cutting equipments such as Tapes, Pegs, Balance and set of weights collected during the sample checks survey 2007-08 is presented in Tables 16 (i) & 16(ii). The primary workers were not supplied with essential items of equipments is reported in many cases during 2007-08. Even the supplied equipments were reported to have not been carrying to the field for the conduct of crop cutting experiments to a large extent in most of the Districts.

#### **IV. Estimation on Average Yield Rates**

Estimated yield rates of high yielding and other varieties of crops for irrigated and unirrigated categories and crop-wise rate of application of fertilizers and differential yield rates according to inputs for paddy during Autumn, Winter and Summer for Central and State samples are given in the Tables.

Crop wise number of experiments planned for check at Harvest and the response achieved, variety wise Estimated yield rates for irrigated and unirrigated categories, crop-wise rate of application of fertilizers and yield rates according to inputs for central and state samples for the whole year crops Banana, Tapioca, Plantain, Pepper, Arecanut are given in the Tables.

#### **V. Comparison of ICS and GCES yield Estimates**

The yield rates of rice under ICS and GCES during the year 2007-08 for district level for central and state sample are given in Table 17(i). Trend of yield rate for Rice under ICS and GCES during Autumn, Winter and Summer for the year 2007-08 are given in Chart I, II and III respectively. State wise yield rate under GCES and ICS for paddy is given in Chart IV.

Yield rates of rice under GCES is higher as compared to ICS for state and central samples during 3 seasons.

The yield rates of important crops under GCES and ICS for the year 2007-08 is given in Table 17. A graphical representation of yield rates of Tapioca, Banana, Plantain, Pepper and Arecanut are given in Chart V to IX. A graphical representation of state-wise yield rates of important crops during the year 2007-08 is given in Chart X.

Table-1

**RESPONSE IN SAMPLE CHECK ON ENUMERATION OF AREA  
DURING 2007-08**

Srl.No.	District	Agency	Sample Size	Percentage of Response		
				Autumn	Winter	Summer
1	2	3	4	5	6	7
1	Thiruvananthapuram	C	5	100	100	100
		S	5	100	100	100
2	Kollam	C	5	100	100	100
		S	5	100	100	100
3	Pathanamthitta	C	3	100	100	100
		S	3	100	100	100
4	Alappuzha	C	4	100	100	100
		S	4	100	100	100
5	Kottayam	C	6	100	100	100
		S	6	100	100	100
6	Idukki	C	8	100	100	100
		S	8	100	100	100
7	Ernakulam	C	6	100	100	100
		S	6	100	100	100
8	Thrissur	C	5	100	100	100
		S	5	100	100	100
9	Palakkad	C	9	100	100	100
		S	9	100	100	100
10	Malappuram	C	7	100	100	100
		S	7	100	100	100
11	Kozhikkode	C	6	100	100	100
		S	6	100	100	100
12	Wayanad	C	5	100	100	100
		S	5	100	100	100
13	Kannur	C	7	100	100	100
		S	7	100	100	100
14	Kazargod	C	4	100	100	100
		S	4	100	100	100
For District Covered		C	80	100	100	100
		S	80	100	100	100

C - Central Sample

S - State Sample

Table-2

## TIMELINESS IN COMPLETION OF GIRDAWARI DURING 2007-08

Srl.No.	District	Agency	Percentage of villages where Girdawari was completed during										
			Autumn				Winter				Summer		
			In Time	Late	But date of completion not known	Partially completed	In Time	Late	But date of completion not known	Partially completed	In Time	Late	But date of completion not known
1	2	3	4	5	6	7	8	9	10	11	12		
1	Thiruvananthapuram	C	100				100				100		
		S		100				100				100	
2	Kollam	C	60	40			100				100		
		S		100			100				100		
3	Pathanamthitta	C	100				100				100		
		S	66.7			33.33	100				100		
4	Alappuzha	C	75	25			100				100		
		S	100				100				100		
5	Kottayam	C	100				100				83.3	16.7	
		S	100				100				66.6	33.3	
6	Idukki	C	100				87.5		12.5			100	
		S	100				100				100		
7	Ernakulam	C	100				100					100	
		S	100				100				83.3	16.7	
8	Thrissur	C	20	40	20	20	100				80	20	
		S	40	60			100				100		
9	Palakkad	C	100				100				100		
		S	100				100				100		
10	Malappuram	C	100				100				100		
		S	100				100				100		
11	Kozhikkode	C	66.7			16.6	16.6	100			100		
		S	100				100				100		
12	Wayanad	C	60	40			100				100		
		S	100				100				80	20	
13	Kannur	C	100				100				100		
		S	100				100				100		
14	Kazaragod	C	100				100				100		
		S	100				100				25	75	
For District Covered		C	86.2	8.75	2.5	2.5	98.75		1.25		97.5	2.5	
		S	81.6	17.1	1.3		93.42	6.58			84.2	15.8	

Table-3  
TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2007-08

Sl. No.	District	Season	AGENCY	Percentage of villages for which									
				TRS Statement Submitted				TRS Statement not Submitted					
				Without completing Girdawari		After completing Girdawari		Information regarding date of submission not known	Though Girdawari completed	Girdawari not completed	Information regarding TRS submission not available		
				By due date	After due date	By due date	After due date						
1	2	3	4	5	6	7	8	9	10	11	12		
1	Thiruvananthapuram	Autumn	C			100							
			S				100						
		Winter	C			100							
			S	100									
		Summer	C			100							
			S	60	20				20				
2	Kollam	Autumn	C	40		60							
			S				100						
		Winter	C			60		40					
			S			80		20					
		Summer	C			80		20					
			S			100							
3	Pathanamthitta	Autumn	C			100							
			S			100							
		Winter	C			100							
			S			66.67	33.33						
		Summer	C			100							
			S			33.3	33.3	33.4					
4	Alappuzha	Autumn	C				100						
			S			100							
		Winter	C			75		25					
			S			100							
		Summer	C			50	50						
			S			100							
5	Kottayam	Autumn	C			100							
			S			100							
		Winter	C			100							
			S			50	50						
		Summer	C			83.33		16.67					
			S			100							

Table-3 Contd.....

## TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2007-08

Sl. No.	District	Season	AGENCY	Percentage of villages for which									
				TRS Statement Submitted				TRS Statement not Submitted					
				Without completing Girdawari		After completing Girdawari		Information regarding date of submission of not known	Though Girdawari completed	Girdawari not completed	Information regarding TRS submission not available		
				By due date	After due date	By due date	After due date						
1	2	3	4	5	6	7	8	9	10	11	12		
6	Idukki	Autumn	C			75	25						
			S			75		25					
		Winter	C			75	12.5	12.5					
			S			100							
		Summer	C			87.5	12.5						
			S			100							
7	Ernakulam	Autumn	C			83.33	16.67						
			S				100						
		Winter	C			100							
			S			100							
		Summer	C			100							
			S		16.66	50	16.67	16.67					
8	Thrissur	Autumn	C			20	60	20					
			S				100						
		Winter	C			80	20						
			S			100							
		Summer	C			100							
			S			100							
9	Palakkad	Autumn	C			100							
			S			88.8		11.2					
		Winter	C			88.8		11.2					
			S				100						
		Summer	C			100							
			S				100						
10	Malappuram	Autumn	C			42.86	42.86	14.29					
			S			100							
		Winter	C			85.7	14.3						
			S			100							
		Summer	C			85.7	14.3						
			S			100							

Table-3 Contd.....



## TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2007-08

Sl. No.	District	Season	AGENCY	Percentage of villages for which								
				TRS Statement Submitted					TRS Statement not Submitted			
				Without completing Girdawari		After completing Girdawari		Information regarding date of submission not known	Though Girdawari completed	Girdawari not completed	Information regarding TRS submission not available	
				By due date	After due date	By due date	After due date					
1	2	3	4	5	6	7	8	9	10	11	12	
11	Kozhikkode	Autumn	C						100			
			S			100						
		Winter	C			66.67		33.33				
			S				83.3	16.7				
		Summer	C				16.67	83.33				
			S				83.33		16.67			
12	Wayanad	Autumn	C				80	20				
			S				100					
		Winter	C				60	40				
			S			100						
		Summer	C				60	40				
			S			40	60					
13	Kannur	Autumn	C						100			
			S	57.1		28.5	14.28					
		Winter	C			100						
			S			100						
		Summer	C			100						
			S			71.43	28.57					
14	Kazaragod	Autumn	C			25		75				
			S			100						
		Winter	C			75		25				
			S			100						
		Summer	C			100						
			S				50	50				
For District Covered		Autumn	C	2.5		52.5	21.25	23.75				
			S	5.26		56.57	35.52	2.63				
		Winter	C			80	7.5	12.5				
			S	6.57		73.68	17.1	2.63				
		Summer	C			78.75	10	11.25				
			S	3.95	2.63	61.84	21.05	10.53				

C - Central Sample

S - State Sample

Table-4

**PERCENTAGE OF SURVEY NUMBERS IN WHICH ERRORS IN RECORDING CROP AREAS  
WERE OBSERVED : 2007- 08**

Sl. No.	District	Agency	Percentage of survey numbers with different types of errors in enumeration of area during												
			AUTUMN				WINTER				SUMMER				
			e <sub>0</sub>	e <sub>1</sub>	e <sub>2</sub>	e <sub>3</sub>	e <sub>0</sub>	e <sub>1</sub>	e <sub>2</sub>	e <sub>3</sub>	e <sub>0</sub>	e <sub>1</sub>	e <sub>2</sub>	e <sub>3</sub>	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	Thiruvananthapuram	C	100				100				#				
		S	100				100				100				
2	Kollam	C	100				77.8	11.1			11.1	#			
		S	100				100				100				
3	Pathanamthitta	C	100				57.9				42.1	100			
		S	#				100				#				
4	Alappuzha	C	#				77.8				22.2	92.9			7.1
		S	#				100				#				
5	Kottayam	C	#				100					71.4			28.6
		S	100								100	88.9			11
6	Idukki	C	86.36			13.6	92.2				7.8	100			
		S	75			25	80				20				100
7	Ernakulam	C	92.3			7.7	88.9				11.1	80			20
		S	100				100					100			
8	Thrissur	C	92.3			7.7	83				17	56.5	8.7		34.8
		S	71.43	14.3		14.3	100					100			
9	Palakkad	C	83.33			16.7	92.4				7.6	100			
		S	100				98.3				1.75	100			
10	Malappuram	C	100				97.2				2.8	#			
		S	91.67			8.33	90				10	100			
11	Kozhikkode	C	#				91.7				8.3	100			
		S	100				48.4				51.6	88.8			11.1
12	Wayanad	C	#				97.9				2.1	26			
		S	#				89.2				10.8	92.3			8
13	Kannur	C	98.5			1.5	98.4				1.6	100			
		S	86.49			13.5	91.4	2.86			5.71	100			
14	Kaziragod	C	100				100					#			
		S	100				100					#			
For District Covered		C	94.85	0.37		4.78	91.1	0.62			8.3	86	1.75		12.2
		S	95.52	0.45		4.03	90.8	0.26			8.97	95.5	4.5		

C - Central Sample

S - State Sample

# - Crop not reported in the selected zones

e<sub>0</sub> - No errore<sub>2</sub> - Reporting of crops actually not growne<sub>1</sub> - Non-reporting of crops actually growne<sub>3</sub> - Reporting incorrect area of crops

Table-5(a)

**DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY DURING  
2007-08  
Autumn**

Sl. No.	District	Agency	Percentage of survey numbers in which particulars											
			Tallied				Not Tallied							
			HY&L	HY	L	Total	Supervisor				Patwari			
HY	L	NR					Total	HY	L	NR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	C		100		100								
		S		100		100								
2	Kollam	C		100		100								
		S			100	100								
3	Pathanamthitta	C		100		100								
		S		#										
4	Alappuzha	C		#										
		S		#										
5	Kottayam	C		#										
		S		100		100								
6	Idukki	C		100		100								
		S		100		100								
7	Ernakulam	C		100		100								
		S		100		100								
8	Thrissur	C		66.7	33.3	100								
		S					100			100	85.7		14.3	100
9	Palakkad	C	2		8	10	90			90	89		1	90
		S	3.67	93.6	2.75	100								
10	Malappuram	C		75	25	100								
		S		100		100								
11	Kozhikkode	C	#											
		S			100	100								
12	Wayanad	C	#											
		S	#											
13	Kannur	C		91.2	8.83	100								
		S		89.2	10.8	100								
14	Kazaragod	C		60	40	100								
		S		91.7	8.33	100								
For District Covered		C	0.74	54.4	11.8	66.9	33.1			33.1	32.7		0.37	33.1
		S	1.79	82.5	12.6	96.8	3.14			3.14	2.69		0.45	3.14

C - Central Sample

S - State Sample

HY- High Yielding Variety Seed

L- Local Variety Seed

# - Crop not reported in the selected zones

Table-5(w)

**DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY DURING  
2007-08  
WINTER SEASON**

Sl. No.	District	Agency	Percentage of survey numbers in which particulars													
			Tallied				Supervisor						Patwari			
			HY&L	HY	L	Total	HY & L	HY	L	NR	Total	HY	L	NR	Total	
1	2	3	4	5	6	7	8	9	10	11	12	14	15	16	17	
1	Thiruvananthapuram	C		90	10	100										
		S		80	20	100										
2	Kollam	C			33.3			66.7				66.7	55.6		11.1	66.7
		S		32	68	100										
3	Pathanamthitta	C		52.6	42.1	94.7	5.26					5.26		5.26		5.26
		S		100		100										
4	Alappuzha	C		100		100										
		S			100	100										
5	Kottayam	C		100		100										
		S		100		100										
6	Idukki	C		82.4	17.7	100										
		S		100		100										
7	Eranakulam	C		100		100										
		S	5.9	82.4	11.8	100										
8	Thrissur	C		42.6	57.5	100										
		S	9.67	83.8	6.45	100										
9	Palakkad	C			21	21		79				79	78.1		0.95	79
		S	2.63	85.1	12.3	100										
10	Malappuram	C		38.9	61.1	100										
		S		75	25	100										
11	Kozhikkode	C		25	75	100										
		S	16.13	6.45	77.4	100										
12	Wayanad	C		60.4	39.6	100										
		S	3.08	83.1	13.9	100										
13	Kannur	C	1.59	81	17.5	100										
		S	3	74.3	22.9	100										
14	Kazharagod	C		26.9	73.1	100										
		S		8.33	91.7	100										
For District Covered		C	0.21	44.6	34.1	78.9	0.41	20.9				21.3	20	0.21	0.83	21.1
		S	3.86	71.5	24.7	100										

C - Central Sample

S - State Sample

HY- High Yielding Variety Seed

L- Local Variety Seed

Table-5(s)  
**DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY DURING  
 2007-08  
 SUMMER**

Sl. No.	District	Agency	Percentage of survey numbers in which particulars												
			Tallied				Not Tallied								
			HY&L	HY	L	Total	Supervisor				Patwari				
							HY	L	NR	Total	HY	L	NR	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	Thiruvananthapuram	C	#												
		S		100		100									
2	Kollam	C	#												
		S		50	50	100									
3	Pathanamthitta	C		100		100									
		S	#												
4	Alappuzha	C		100		100									
		S	#												
5	Kottayam	C		100		100									
		S		100		100									
6	Idukki	C		100		100									
		S		100		100									
7	Ernakulam	C		100		100									
		S		100		100									
8	Thrissur	C						100		100	91.3		8.7	100	
		S		100		100									
9	Palakkad	C		100		100									
		S		100		100									
10	Malappuram	C	#												
		S		100		100									
11	Kozhikkode	C		100		100									
		S	22.22	33.3	44.5	100									
12	Wayanad	C	3.85	96.2		100									
		S		96.2	3.85	100									
13	Kannur	C	14.29	71.4	14.3	100									
		S		71.4	28.6	100									
14	Kaziragod	C	#												
		S	#												
For District Covered		C	1.75	77.2	0.88	79.8	20.2			20.2	18.4		1.75	20.2	
		S	1.81	90	8.18	100									

C - Central Sample  
 HY- High Yielding Variety Seed

S - State Sample  
 L- Local Variety Seed

Table-6

**RESPONSE IN SAMPLE CHECK ON CROP CUTTING EXPERIMENTS FOR PADDY DURING  
2007-08**

Sl. No.	District	Agency	Autumn		Winter		Summer		Annual	
			No. of Expts. Planned	% Response	No. of Expts. Planned	% Response	No. of Expts. Planned	% Response	No. of Expts. Planned	% Response
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	8	100	24	100
2	Kollam	C	6	100	6	100	6	100	18	100
		S	6	100	6	100	6	100	18	100
3	Pathanamthitta	C	4	100	4	100	4	100	12	100
		S	4	100	4	100	4	100	12	100
4	Alappuzha	C	6	100	6	100	6	100	18	100
		S	6	100	6	100	6	100	18	100
5	Kottayam	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	8	100	24	100
6	Idukki	C	4	100	4	100	4	100	12	100
		S	4	100	4	100	4	100	12	100
7	Ernakulam	C	8	100	8	100	8	87.5	24	95.83
		S	8	100	8	100	8	100	24	100
8	Thrissur	C	10	100	10	100	10	100	30	100
		S	10	100	10	100	10	100	30	100
9	Palakkad	C	10	100	10	100	10	100	30	100
		S	10	100	10	100	10	100	30	100
10	Malappuram	C	10	100	10	90	10	100	30	96.67
		S	10	100	10	100	10	100	30	100
11	Kozhikkode	C	10	100	6	100	6	100	22	100
		S	6	100	6	100	6	100	18	100
12	Wayanad	C	0	0	4	100	4	100	8	100
		S	4	100	4	100	4	100	12	100
13	Kannur	C	10	100	10	100	10	100	30	100
		S	10	100	10	100	10	100	30	100
14	Kaziragod	C	6	100	6	100	6	100	18	100
		S	6	100	6	100	6	100	18	100
For District Covered		C	100	100	100	99	100	99	300	99.33
		S	100	100	100	100	100	100	300	100

C - Central Sample

S - State Sample

Table-7(i)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO  
IMPORTANT INPUTS DURING 2007- 08**

**Rice-Autumn**

Srl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	8	100	100	100
		S		8	100	87.5	87.5
		C	T	8	100	100	100
		S		8	100	87.5	87.5
2	Kollam	C	H	6	0	100	66.67
		S		6	0	100	66.67
		C	T	6	0	100	66.67
		S		6	0	100	66.67
3	Pathanamthitta	C	H	4	0	100	100
		S		4	0	100	100
		C	T	4	0	100	100
		S		4	0	100	100
4	Alappuzha	C	H	6	33.33	100	100
		S		6	0	33.33	50
		C	T	6	33.33	100	100
		S		6	0	33.33	50
5	Kottayam	C	H	8	62.5	87.5	100
		S		8	75	100	100
		C	T	8	62.5	87.5	100
		S		8	75	100	100
6	Idukki	C	H	4	100	100	75
		S		4	100	100	100
		C	T	4	100	100	75
		S		4	100	100	100
7	Ernakulam	C	H	8	75	100	87.5
		S		8	75	100	100
		C	T	8	75	100	87.5
		S		8	75	100	100
8	Thrissur	C	H	10	0	90	60
		S		9	0	77.78	77.78
		C	T	10	0	90	60
		S		10	0	70	70

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO  
IMPORTANT INPUTS DURING 2007- 08**

**Rice-Autumn**

Srl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	10	0	80	70
		S		10	0	90	100
		C	T	10	0	80	70
		S		10	0	90	100
10	Malappuram	C	H	10	0	70	40
		S		10	0	90	90
		C	T	10	0	70	40
		S		10	0	90	90
11	Kozhikkode	C	H	10	0	90	50
		S		6	0	33.33	33.33
		C	T	10	0	90	50
		S		6	0	33.33	33.33
12	Wayanad	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		4	0	0	0
13	Kannur	C	H	10	0	90	50
		S		10	0	100	70
		C	T	10	0	90	50
		S		10	0	100	70
14	Kazaragod	C	H	6	0	83.33	66.67
		S		6	0	66.67	100
		C	T	6	0	83.33	66.67
		S		6	0	66.67	100
For District Covered		C	H	100	25	90	71
		S		95	26.37	87.91	89.01
		C	T	100	25	90	71
		S		100	24	90	81

C - Central Sample  
H - Checked at Harvest  
HYV - High yielding Variety

S - State Sample  
T - Total Experiment  
F - Fertilizers used



Table 7(ii)  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO  
 IMPORTANT INPUTS DURING 2007- 08**

**Rice-Winter**

Srl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	7	100	100	100
		S		8	100	100	100
		C	T	8	87.5	87.5	87.5
		S		8	100	100	100
2	Kollam	C	H	6	66.67	50	100
		S		6	66.67	83.33	100
		C	T	6	66.67	50	100
		S		6	66.67	83.33	100
3	Pathanamthitta	C	H	4	100	25	100
		S		4	100	100	100
		C	T	4	100	25	100
		S		4	100	100	100
4	Alappuzha	C	H	5	80	100	100
		S		6	33.33	0	33.33
		C	T	6	66.67	83.33	83.33
		S		6	33.33	0	33.33
5	Kottayam	C	H	8	100	87.5	87.5
		S		8	100	100	100
		C	T	8	100	87.5	87.5
		S		8	100	100	100
6	Idukki	C	H	4	100	100	100
		S		4	100	100	100
		C	T	4	100	100	100
		S		4	100	100	100
7	Ernakulam	C	H	8	100	100	100
		S		8	75	87.5	100
		C	T	8	100	100	100
		S		8	75	87.5	100
8	Thrissur	C	H	9	100	77.78	88.89
		S		10	80	60	90
		C	T	10	90	70	80
		S		10	80	60	90

Contd.....

## DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2007-08

### Rice-Winter

Srl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	10	80	80	100
		S		10	100	90	10
		C	T	10	80	80	100
		S		10	100	90	10
10	Malappuram	C	H	9	88.89	88.89	100
		S		10	90	50	90
		C	T	10	80	80	90
		S		10	90	50	90
11	Kozhikkode	C	H	6	16.67	0	100
		S		5	0	0	20
		C	T	6	16.67	0	100
		S		6	0	0	16.67
12	Wayanad	C	H	4	0	100	75
		S		4	75	50	75
		C	T	4	0	100	75
		S		4	75	50	75
13	Kannur	C	H	9	77.78	66.67	77.78
		S		10	100	90	90
		C	T	10	70	60	70
		S		10	100	90	90
14	Kazharagod	C	H	6	100	50	83.33
		S		6	100	50	66.67
		C	T	6	100	50	83.33
		S		6	100	50	66.67
For District Covered		C	H	95	82.1	74.74	93.68
		S		99	29.29	70.7	85.86
		C	T	100	78	71	89
		S		100	29	70	85

C - Central Sample  
H - Checked at Harvest  
HYV - High yielding Variety

S - State Sample  
T - Total Experiment  
F - Fertilizers used

Table 7(iii)  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO  
 IMPORTANT INPUTS DURING 2007- 08**

**Rice-Summer**

Srl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	8	100	100	100
		S		8	87.5	100	100
		C	T	8	100	100	100
		S		8	87.5	100	100
2	Kollam	C	H	6	66.67	100	83.33
		S		6	100	100	66.67
		C	T	6	66.67	100	83.33
		S		6	100	100	66.67
3	Pathanamthitta	C	H	4	100	100	100
		S		4	100	100	100
		C	T	4	100	100	100
		S		4	100	100	100
4	Alappuzha	C	H	6	100	100	100
		S		6	100	100	100
		C	T	6	100	100	100
		S		6	100	100	100
5	Kottayam	C	H	8	100	87.5	100
		S		7	100	100	100
		C	T	8	100	87.5	100
		S		8	100	87.5	87.5
6	Idukki	C	H	4	100	100	100
		S		4	100	100	100
		C	T	4	100	100	100
		S		4	100	100	100
7	Eranakulam	C	H	7	100	100	100
		S		8	100	100	100
		C	T	8	87.5	87.5	87.5
		S		8	100	100	100
8	Thrissur	C	H	10	100	100	100
		S		10	100	100	80
		C	T	10	100	100	100
		S		10	100	100	80

Contd.....

## DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2007- 08

### Rice-Summer

Srl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	10	90	100	90
		S	H	10	100	90	100
		C	T	10	90	100	90
		S	T	10	100	90	100
10	Malappuram	C	H	10	100	80	80
		S	H	10	100	60	100
		C	T	10	100	80	80
		S	T	10	100	60	100
11	Kozhikkode	C	H	6	66.67	83.33	100
		S	H	6	100	83.33	66.67
		C	T	6	66.67	83.33	100
		S	T	6	100	83.33	66.67
12	Wayanad	C	H	4	100	100	75
		S	H	4	100	75	25
		C	T	4	100	100	75
		S	T	4	100	75	25
13	Kannur	C	H	9	66.67	33.33	100
		S	H	10	90	50	100
		C	T	10	60	30	90
		S	T	10	90	50	100
14	Kazaragod	C	H	6	100	33.33	100
		S	H	6	100	66.67	100
		C	T	6	100	33.33	100
		S	T	6	100	66.67	100
For District Covered		C	H	98	91.84	85.71	94.9
		S	H	99	97.9	85.86	90.9
		C	T	100	90	84	93
		S	T	100	97	85	90

C - Central Sample  
H - Checked at Harvest  
HYV - High yielding Variety

S - State Sample  
T - Total Experiment  
F - Fertilizers used

Table 7(iv)  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO  
 IMPORTANT INPUTS DURING 2007- 08**

**Tapioca**

Sri.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	4	0	25	25
		S		4	25	0	25
		C	T	4	0	25	25
		S		4	25	0	25
2	Kollam	C	H	4	0	25	25
		S		4	25	0	100
		C	T	4	0	25	25
		S		4	25	0	100
3	Pathanamthitta	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
4	Alappuzha	C	H	4	50	0	50
		S		4	100	0	0
		C	T	4	50	0	50
		S		4	100	0	0
5	Kottayam	C	H	4	0	25	25
		S		4	25	50	0
		C	T	4	0	25	25
		S		4	25	50	0
6	Idukki	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
7	Ernakulam	C	H	4	50	50	50
		S		4	50	0	0
		C	T	4	50	50	50
		S		4	50	0	0
8	Thrissur	C	H	4	50	0	0
		S		4	50	25	0
		C	T	4	50	0	0
		S		4	50	25	0

Contd.....

## DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2007- 08

### Tapioca

Srl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	4	25	0	25
		S		4	25	25	100
		C	T	4	25	0	25
		S		4	25	25	100
10	Malappuram	C	H	4	100	0	75
		S		4	25	0	25
		C	T	4	100	0	75
		S		4	25	0	25
11	Kozhikkode	C	H	4	0	25	25
		S		4	0	0	0
		C	T	4	0	25	25
		S		4	0	0	0
12	Wayanad	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
13	Kannur	C	H	4	75	50	75
		S		4	0	50	50
		C	T	4	75	50	75
		S		4	0	50	50
14	Kazharagod	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
For District Covered		C	H	40	35	20	37.5
		S		40	32.5	15	30
		C	T	40	35	20	37.5
		S		40	32.5	15	30

C - Central Sample  
H - Checked at Harvest  
HYV - High yielding Variety

S - State Sample  
T - Total Experiment  
F - Fertilizers used

Table 7(v)  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO  
 IMPORTANT INPUTS DURING 2007- 08**

**Pepper**

Srl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	3	33.33	0	0
		S		4	0	0	0
		C	T	4	25	0	0
		S		4	0	0	0
2	Kollam	C	H	4	0	0	0
		S		4	0	0	25
		C	T	4	0	0	0
		S		4	0	0	25
3	Pathanamthitta	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
4	Alappuzha	C	H	4	0	0	0
		S		4	50	0	25
		C	T	4	0	0	0
		S		4	50	0	25
5	Kottayam	C	H	4	0	0	0
		S		3	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
6	Idukki	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
7	Ernakulam	C	H	4	25	0	0
		S		4	0	25	0
		C	T	4	25	0	0
		S		4	0	25	0
8	Thrissur	C	H	4	25	25	0
		S		4	100	25	0
		C	T	4	25	25	0
		S		4	100	25	0

Contd.....

## DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2007-08

### Pepper

Sri.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	4	0	25	0
		S		4	50	75	25
		C	T	4	0	25	0
		S		4	50	75	25
10	Malappuram	C	H	4	25	0	0
		S		4	25	0	0
		C	T	4	25	0	0
		S		4	25	0	0
11	Kozhikkode	C	H	4	25	25	0
		S		4	0	0	0
		C	T	4	25	25	0
		S		4	0	0	0
12	Wayanad	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
13	Kannur	C	H	4	0	50	0
		S		4	0	25	0
		C	T	4	0	50	0
		S		4	0	25	0
14	Kazaragod .	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
For District Covered		C	H	39	12.82	12.82	0
		S		39	23.07	15.38	7.69
		C	T	40	12.5	12.5	0
		S		40	22.5	15	7.5

C - Central Sample  
H - Checked at Harvest  
HYV - High yielding Variety

S - State Sample  
T - Total Experiment  
F - Fertilizers used



Table7(vi)  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO  
 IMPORTANT INPUTS DURING 2007- 08**

- Banana

Sri.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	6	83.33	0	50
		S		6	83.33	0	83.33
		C	T	6	83.33	0	50
		S		6	83.33	0	83.33
2	Kollam	C	H	6	0	0	33.33
		S		6	0	0	83.33
		C	T	6	0	0	33.33
		S		6	0	0	83.33
3	Pathanamthitta	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
4	Alappuzha	C	H	4	100	0	75
		S		4	100	0	50
		C	T	4	100	0	75
		S		4	100	0	50
5	Kottayam	C	H	4	0	0	100
		S		4	0	0	100
		C	T	4	0	0	100
		S		4	0	0	100
6	Idukki	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
7	Ernakulam	C	H	6	66.67	0	83.33
		S		6	100	0	66.67
		C	T	6	66.67	0	83.33
		S		6	100	0	66.67
8	Thrissur	C	H	5	100	0	60
		S		6	66.67	0	66.67
		C	T	6	83.33	0	50
		S		6	66.67	0	66.67

Contd.....

## DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2007- 08

### Banana

Srl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	8	62.5	0	75
		S		8	87.5	0	87.5
		C	T	8	62.5	0	75
		S		8	87.5	0	87.5
10	Malappuram	C	H	6	100	0	100
		S		6	33.33	0	50
		C	T	6	100	0	100
		S		6	33.33	0	50
11	Kozhikkode	C	H	4	25	0	100
		S		4	100	0	75
		C	T	4	25	0	100
		S		4	100	0	75
12	Wayanad	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
13	Kannur	C	H	6	66.67	0	83.33
		S		6	100	0	66.67
		C	T	6	66.67	0	83.33
		S		6	100	0	66.67
14	Kazaragod	C	H	4	100	0	50
		S		4	100	0	50
		C	T	4	100	0	50
		S		4	100	0	50
For District Covered		C	H	59	64.4	0	72.88
		S		60	70	0	71.66
		C	T	60	63.33	0	71.66
		S		60	70	0	71.66

C - Central Sample  
H - Checked at Harvest  
HYV - High yielding Variety

S - State Sample  
T - Total Experiment  
F - Fertilizers used

Table 7(vii)  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO  
 IMPORTANT INPUTS DURING 2007- 08**

**Plantain**

Srl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	4	25	0	0
		S		4	50	0	50
		C	T	4	25	0	0
		S		4	50	0	50
2	Kollam	C	H	4	25	0	50
		S		4	0	0	25
		C	T	4	25	0	50
		S		4	0	0	25
3	Pathanamthitta	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
4	Alappuzha	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
5	Kottayam	C	H	4		0	25
		S		4	0	0	0
		C	T	4		0	25
		S		4	0	0	0
6	Idukki	C	H	0		0	0
		S		0	0	0	0
		C	T	0		0	0
		S		0	0	0	0
7	Ernakulam	C	H	4	50	25	25
		S		4	50	0	0
		C	T	4	50	25	25
		S		4	50	0	0
8	Thrissur	C	H	4	100	0	50
		S		4	75	0	25
		C	T	4	100	0	50
		S		4	75	0	25

Contd.....

## DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2007- 08

### Plantain

Sri.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	6	0	0	16.66
		S		6	66.66	0	16.66
		C	T	6	0	0	16.66
		S		6	66.66	0	16.66
10	Malappuram	C	H	6	33.33	0	16.66
		S		6	0	0	16.66
		C	T	6	33.33	0	16.66
		S		6	0	0	16.66
11	Kozhikkode	C	H	4	0	0	50
		S		4	0	0	0
		C	T	4	0	0	50
		S		4	0	0	0
12	Wayanad	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
13	Kannur	C	H	4	0	0	50
		S		4	0	0	0
		C	T	4	0	0	50
		S		4	0	0	0
14	Kazaragod	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
For District Covered		C	H	40	25	25	
		S		40	27.5	0	15
		C	T	40	25	25	
		S		40	27.5	0	15

C - Central Sample  
H - Checked at Harvest  
HYV - High yielding Variety

S - State Sample  
T - Total Experiment  
F - Fertilizers used

Table 7(viii)  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO  
 IMPORTANT INPUTS DURING 2007- 08**

**Arecanut**

Srl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	3	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
2	Kollam	C	H	4	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
3	Pathanamthitta	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
4	Alappuzha	C	H	4	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
5	Kottayam	C	H	4	0	25	0
		S		4	0	0	0
		C	T	4	0	25	0
		S		4	0	0	0
6	Idukki	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
7	Ernakulam	C	H	4	0	0	0
		S		4	50	25	25
		C	T	4	0	0	0
		S		4	50	25	25
8	Thrissur	C	H	4	100	0	75
		S		4	50	0	0
		C	T	4	100	0	75
		S		4	50	0	0

Contd.....

## DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2007- 08

### Arecanut

Sri.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	4	100	75	0
		S		4	75	50	0
		C	T	4	100	75	0
		S		4	75	50	0
10	Malappuram	C	H	4	25	0	25
		S		4	25	25	0
		C	T	4	25	0	25
		S		4	25	25	0
11	Kozhikkode	C	H	4	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
12	Wayanad	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
13	Kannur	C	H	4	0	0	50
		S		4	25	75	0
		C	T	4	0	0	50
		S		4	25	75	0
14	Kazaragod	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
For District Covered		C	H	39	23.07	10.25	15.38
		S		40	22.5	17.5	2.5
		C	T	40	22.5	10	15.38
		S		40	22.5	17.5	2.5

C - Central Sample  
H - Checked at Harvest  
HYV - High yielding Variety

S - State Sample  
T - Total Experiment  
F - Fertilizers used

Table 8(f)

## CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2007-08

SEASON : AUTUMN

CROP : PADDY

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	4	4				
4	Alappuzha	6	6				
5	Kottayam	8	8				
6	Idukki	4	4				
7	Emakulam	8	8				
8	Thrissur	10	9	1			
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	6	6				
12	Wayanad	4					
13	Kannur	10	10				
14	Kasargod	6	6				
Total for all crops		100	95				
Percentage to col.3			95	1			

No Autumn Paddy

Table 8(ii)

## CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2007-08

CENTRAL SAMPLE

SEASON : Autumn

CROP : Paddy

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	4	4				
4	Alappuzha	6	6				
5	Kottayam	8	8				
6	Idukki	4	4				
7	Ernakulam	8	8				
8	Thrissur	10	10				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	10	10				
12	Wayanad	0	0				
13	Kannur	10	10				
14	Kasargod	6	6				
	Total	100	100				
	% to col.3		100				



Table 8(iii)

## ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	District	STATE:KERALA				YEAR:2007-2008				SEASON:AUTUMN PADDY				STATE SAMPLE						
		HY varieties		Other Varieties		HY varieties		Other Varieties		Irrigated		Un irrigated		Irrigated		Un irrigated				
		No. of expts. Checked at harvest		Yield Rate Kg/Ha		Yield Rate Kg/Ha		Yield Rate Kg/Ha		No. of Experiments		Yield Rate Kg/Ha		No. of Experiments		Yield Rate Kg/Ha				
		Irrigated	Un irrigated	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Irrigated	Un irrigated	No. of Experiments	Yield Rate Kg/Ha	Irrigated	Un irrigated	No. of Experiments	Yield Rate Kg/Ha	Irrigated	Un irrigated	No. of Experiments	Yield Rate Kg/Ha	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpim	8	7	3770.357			7	3770.357	1	2800.88			1	2800.88	8	3649.172			8	3649.172
2	Kollam	6	6		6	4770.064	6	4770.064									6	4770.06	6	4770.064
3	Path	4	4		4	4094.05	4	4094.05									4	4094.05	4	4094.05
4	Alpy	6	2		2	1374.33	2	1374.33			4	279.99	4	279.99			6	644.77	6	644.77
5	Ktm	8	6		2	4750.792	8	4745.886							6	4744.251	2	4750.79	8	4745.886
6	Idukki	4	4		4	4103.12	4	4103.12							4	4103.12			4	4103.12
7	Ekm	8	6		2	3852.06	8	3097.83							6	2846.42	2	3852.06	8	3097.83
8	Thrs	9	7		7	2842.862	7	2842.862			2	653.312	2	653.312			9	2356.3	9	2356.295
9	Pakkd	10	9		9	4079.342	9	4079.342			1	2582.62	1	2582.62			10	3929.67	10	3929.67
10	Mlp	10	9		9	3397.856	9	3397.856			1	1966.272	1	1966.27			10	3254.7	10	3254.698
11	Kozhi	6	2		2	1469.678	2	1469.678			4	1325.219	4	1325.219			6	1373.37	6	1373.372
12	Wyd																			
13	Kannur	10	10		10	2284.025	10	2284.025									10	2284.02	10	2284.025
14	Ksrgd	6	4		4	3893.504	4	3893.504			2	2802.088	2	2802.088			6	3529.7	6	3529.699
	State	95	23		57	3841.261	80	3523.105	1	2800.88	14	1277.18	15	1378.76	24	3797.912	71	2977.18	95	3184.524

Table 8(iv)

**ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES**

Sl No	District	STATE:KERALA		YEAR:2007-2008		SEASON:AUTUMN PADDY		CENTRAL SAMPLE												
		HY varieties		Other Varieties		Both Hy & Others		Irrigated		Un irrigated		Irrigated		Un irrigated		Total				
		No. of Expts. Checked at harvest	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Total	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	total	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Typrn	8	8	3729.92	0	0	8	29839.36	0	0	0	0	0	0	8	3729.92	0	0	8	3729.92
2	Kollam	6	0	0	6	3775.54	6	3775.54	0	0	0	0	0	0	0	0	6	3775.54	6	3775.54
3	Path	4	0	0	4	4100.8	4	4100.8	0	0	0	0	0	0	0	0	4	4100.8	4	4100.8
4	Alpy	6	2	5119.52	4	2079.95	6	11625.67	0	0	0	0	0	0	2	5119.52	4	2079.95	6	3093.14
5	Kotlm	8	5	3971.86	2	3873.4	7	20966.01	0	0	1	4144.9	1	4144.9	5	3971.86	3	3963.9	8	3968.88
6	Idukki	4	4	3610.8	0	0	4	14443.2	0	0	0	0	0	0	4	3610.8	0	0	4	3610.8
7	EkM	8	6	2541.92	2	1980.72	8	15746.72	0	0	0	0	0	0	6	2541.92	2	1980.72	8	2401.62
8	Thrs	10	0	0	9	3018.16	9	3018.16	0	0	1	714.24	1	714.24	0	0	10	2787.77	10	2787.77
9	Pakkd	10	0	0	8	3544.73	8	3544.73	0	0	2	2179.42	2	2179.42	0	0	10	3271.66	10	3271.66
10	Mlp	10	0	0	7	2267.05	7	2267.05	0	0	3	2010.19	3	2010.19	0	0	10	2189.99	10	2189.99
11	Kozhi	10	0	0	9	1313.19	9	1313.19	0	0	1	143.04	1	143.04	0	0	10	1196.17	10	1196.17
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	10	0	0	9	2625.6	9	2625.6	0	0	1	990	1	990	0	0	10	2462.04	10	2462.04
14	Ksrgd	6	0	0	5	3661.78	5	3661.78	0	0	1	2360.8	1	2360.8	0	0	6	3444.95	6	3444.95
<b>State</b>		<b>100</b>	<b>25</b>	<b>3585.3</b>	<b>65</b>	<b>2834.35</b>	<b>90</b>	<b>8924.25</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>1874.24</b>	<b>10</b>	<b>1874.24</b>	<b>25</b>	<b>3585.3</b>	<b>75</b>	<b>2706.34</b>	<b>100</b>	<b>2926.08</b>

Table 8(v)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	STATE : KERALA		YEAR : 2007 - 08		SEASON : AUTUMN PADDY		STATE SAMPLE									
		Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers		Experiments not Treated with Fertilizers									
		No.	Yield Rate	No.	Yield Rate	No. of Experiments		Rate of application		No.	Yield Rate						
						N	P	K	Yield Rate			N	P	K			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
1	Thiruvananthapuram	8	3649.17	1	2622.48	7	7	2	7	3770.357	68.2	29.65	17.85	1	2800.88		
2	Kollam	6	4770.06			6	6	4	6	4770.064	48.17	17.5	56.75				
3	Pathanamthitta	4	4094.05	2	4179.15	4	4	4	4	4094.05	52.25	52.25	60				
4	Alappuzha	6	644.77			3	3	2	3	943.06	26.67	19	18.5	3	346.48		
5	Kottayam	8	4745.89	3	5539.91	8	8	8	8	4745.886	71.63	37	43.25				
6	Idukki	4	4103.12	4	4103.12	4	4	4	4	4103.12	34.09	22.19	15.96				
7	Ernakulam	8	3097.83	2	3150.84	8	8	6	8	3097.83	35.33	20.79	45.08				
8	Thrissur	9	2356.3	3	1849.81	7	7	4	7	2842.862	45.86	27.86	62.51	2	653.312		
9	Palakkad	10	3929.67	2	5574	10	8	7	10	3929.67	61.5	32.91	53.63				
10	Malappuram	10	3254.7	1	3995.38	9	9	2	9	3397.856	55.38	36.16	83.5	1	1966.27		
11	Kozhikode	6	1373.37			2	2	2	2	1469.678	30.5	30.5	30.5	4	1325.219		
12	Wayanad								No Autumn Paddy								
13	Kannur	10	2284.02	4	2233.39	7	7	5	7	2472.684	36.43	26.14	36.8	3	1843.82		
14	Kasargod	6	3529.7			6	6	5	6	3529.699	33.5	33.5	36				
	<b>Total</b>	<b>95</b>	<b>3184.52</b>	<b>22</b>	<b>3633.68</b>	<b>81</b>	<b>79</b>	<b>55</b>	<b>81</b>	<b>3513.386</b>	<b>46.12</b>	<b>29.65</b>	<b>43.1</b>	<b>14</b>	<b>1281.825</b>		

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Table 8(vi)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO IMPUTS

STATE : KERALA      YEAR : 2007 - 08      SEASON : AUTUMN PADDY      STATE SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram			6	3961.669333	2	2711.68	6	3961.67	1	2800.88	7	3770.36
2	Kollam			6	4770.064			6	4770.06			6	4770.06
3	Pathanamthitta			2	4008.95	2	4179.15	2	4008.95			4	4094.05
4	Alappuzha	3	346.48	6	644.77			3	943.06			6	644.77
5	Kottayam			5	4269.4688	3	5539.915	5	4269.47			8	4745.89
6	Idukki					4	4103.12					4	4103.12
7	Ernakulam			6	3080.16	2	3150.84	6	3080.16			8	3097.83
8	Thrissur	2	653.312	6	2609.536	3	1849.813	4	3587.65			9	2356.3
9	Palakkad			8	3518.5875	2	5574	8	3518.59			10	3929.67
10	Malappuram	1	1966.272	9	3172.4	1	3995.376	8	3323.17			10	3254.7
11	Kozhikode	4	1325.219	6	1373.371667			2	1469.68			6	1373.37
12	Wayanad												
13	Kannur			3	2791.74	7	2066.433	3	2791.74	3	1843.82	7	2472.68
14	Kasargod			6	3529.698667			6	3529.7			6	3529.7
	<b>Total</b>	<b>10</b>	<b>961.3212</b>	<b>69</b>	<b>3105.1650</b>	<b>26</b>	<b>3395.131</b>	<b>59</b>	<b>3468.53</b>	<b>4</b>	<b>2083.085</b>	<b>91</b>	<b>3232.94</b>

Table 8(vii)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	STATE : KERALA		YEAR : 2007 - 08		SEASON : AUTUMN PADDY		CENTRAL							
		Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers		Experiments not Treated with Fertilizers.							
		No.	Yield Rate	No.	Yield Rate	Rate of application				Yield Rate.					
						N	P	K	Exclusive Total		Yield Rate	N	P	K	No.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	3729.92	0	0	8	8	4	8	4262.766	105.5	36.13	90.25	0	0
2	Kollam	6	3775.54	0	0	4	3	2	4	3708.723	76.25	26	51.5	2	3909.17
3	Pathanamthitta	4	4100.8	0	0	4	3	4	4	4100.8	58.25	17.33	79	0	0
4	Alappuzha	6	3093.14	3	3575.04	6	6	6	6	3093.141	23.67	15.83	27	0	0
5	Kottayam	8	3968.88	6	4006.74	8	8	8	8	3968.878	70.73	35.98	49.35	0	0
6	Idukki	4	3610.8	3	3769.71	3	3	2	3	3769.707	86.03	47.8	50.2	1	3134.08
7	Emakulam	8	2401.62	3	2573.71	7	4	5	7	2451.272	38.86	19	24.8	1	2054.08
8	Thrissur	10	2787.77	3	3271.12	6	6	4	6	3380.24	72	23.67	43.75	4	1899.06
9	Palakkad	10	3271.66	0	0	7	6	4	7	3424.399	53.57	37	30.25	3	2915.282
10	Malappuram	10	2189.99	2	1513.36	4	3	1	4	1693.481	29.5	17.67	7	6	2521.003
11	Kozhikode	10	1196.17	0	0	5	5	1	5	1205.112	34.6	28.8	29	5	1187.232
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	10	2462.04	2	3027.6	5	5	4	5	2550.24	23.8	19.2	17.75	5	2373.84
14	Kasargod	6	3444.95	1	3443.14	4	3	4	4	3409.54	45	18.67	35.25	2	3515.776
	<b>Total</b>	<b>100</b>	<b>2926.08</b>	<b>23</b>	<b>3310.18</b>	<b>71</b>	<b>63</b>	<b>49</b>	<b>71</b>	<b>3205.06</b>	<b>55.21</b>	<b>26.39</b>	<b>41.16</b>	<b>29</b>	<b>2390.05</b>

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Table 8(viii)

# CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	YEAR : 2007 - 08						SEASON : AUTUMN PADDY						CENTRAL SAMPLE	
		Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both		No.	Yield Rate
		No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate		
1	2	17	18	19	20	21	22	23	24	25	26	27	28		
1	Thiruvananthapuram	0	0	8	3729.92	0	0	8	3729.92	0	0	8	3729.92		
2	Kollam	2	3909.17	6	3775.539	0	0	4	3708.723	0	0	6	3775.539		
3	Pathanamthitta	0	0	4	4100.8	0	0	4	4100.8	0	0	4	4100.8		
4	Alappuzha	0	0	3	2611.243	3	3575.04	3	2611.243	0	0	6	3093.141		
5	Kottayam	0	0	2	3855.3	6	4006.737	2	3855.3	0	0	8	3968.878		
6	Idukki	0	0	0	0	4	3610.8	0	0	1	3134.08	3	3769.707		
7	Ernakulam	0	0	4	2359.441	4	2443.805	4	2359.441	1	2054.08	7	2451.272		
8	Thrissur	2	2896.02	5	3252.024	5	2323.512	3	3489.36	2	902.1	8	3259.185		
9	Palakkad	3	2915.282	9	3635.182	1	0	6	3995.132	0	0	10	3271.664		
10	Malappuram	3	2772.595	5	2412.996	5	1966.992	2	1873.598	3	2269.411	7	2155.958		
11	Kozhikode	3	1561.52	8	1338.765	2	625.8	5	1205.112	2	625.8	8	1338.765		
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0		
13	Kannur	1	990	4	1921.5	6	2822.4	3	2232	4	2719.8	6	2290.2		
14	Kasaragod	2	3515.776	5	3445.315	1	3443.136	3	3398.341	0	0	6	3444.952		
	<b>Total</b>	<b>16</b>	<b>2711.26</b>	<b>63</b>	<b>3024.48</b>	<b>37</b>	<b>2758.53</b>	<b>47</b>	<b>3131.11</b>	<b>13</b>	<b>1994.72</b>	<b>87</b>	<b>3055.25</b>		

Table 9(i)

## CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2007-08

STATE SAMPLE

SEASON : WINTER

CROP : PADDY

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	4	4				
4	Alappuzha	6	6				
5	Kottayam	8	8				
6	Idukki	4	4				
7	Emakulam	8	8				
8	Thrissur	10	10				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	6	5	1			
12	Wayanad	4	4				
13	Kannur	10	10				
14	Kasargod	6	6				
	Total for all crops	100	99	1			
	Percentage to col.3		99	1			

Table 9(i)

## CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA      YEAR : 2007-08      CENTRAL SAMPLE  
SEASON : Winter      CROP : Paddy

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	8	7		1		
2	Kollam	6	6				
3	Pathanamthitta	4	4				
4	Alappuzha	6	5		1		
5	Kottayam	8	8				
6	Idukki	4	4				
7	Ernakulam	8	8				
8	Thrissur	10	9		1		
9	Palakkad	10	10				
10	Malappuram	10	9				1
11	Kozhikode	6	6				
12	Wayanad	4	4				
13	Kannur	10	9			1*	
14	Kasargod	6	6				
	<b>Total</b>	<b>100</b>	<b>95</b>		<b>3</b>	<b>1</b>	<b>1</b>
	Percentage to col.3		<b>95</b>		<b>3</b>	<b>1</b>	<b>1</b>

\*The weight of the yield has not recorded for one experiment in the schedule



Table 9(iii)

**ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES**

Sl.No	District	No. of expts. Checked at harvest		STATE:KERALA				YEAR:2007-2008				SEASON:WINTER PADDY				STATE SAMPLE					
		Irrigated		HY varieties		Un irrigated		Total	Irrigated		Other Varieties		total		Irrigated		Both Hy & Others		Total		
		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
1	Tvpm	8	3591.9				8	3591.9					8		8	3591.9			8		3591.9
2	Kollam	6	4407.325	1	2351.804		5	3996.22			1	1919.84	1	1919.84	4	4407.325	2	2135.82	6	3650.157	
3	Path	4	3611.2				4	3611.2							4	3611.2			4		3611.2
4	Alpy	6							2	1376.76	4	659.736	6	898.744	2	1376.76	4	659.736	6	898.744	
5	Ktm	8	3478.074				8	3478.07							8	3478.074			8		3478.074
6	Idukki	4	4474.58				4	4474.58							4	4474.58			4		4474.58
7	EkM	8	3218.704	2	1694.6		7	2783.25	1	2826.8			1	2826.8	6	3153.387	2	1694.6	8	2788.69	
8	Thrs	10	3334.122				6	3334.12	2	3163.05	2	1675.08	4	2419.065	8	3291.354	2	1675.08	10	2968.099	
9	Pakkd	10	4335.676				9	4335.68	1	3324.06			1	3324.06	10	4234.514			10	4234.514	
10	Mlp	10	3231.64				5	3231.64	4	3197.08	1	2450.816	5	3047.829	9	3216.281	1	2450.82	10	3139.734	
11	Kozhi	5									5	946.268	5	946.268			5	946.268	5	946.268	
12	Wyd	4	4796.512	1	3932.544		2	4364.53	2	3735.17			2	3735.172	3	4088.952	1	3932.54	4	4049.85	
13	Kannur	10	3153.173				9	3153.17	1	1758.08			1	1758.08	10	3013.664			10	3013.664	
14	Ksrgd	6	3227.419				3	3227.42	3	3039.75			3	3039.749	6	3133.584			6	3133.584	
	State	99	3646.471	4	2418.387		70	3576.29	16	2897.91	13	1160.85	29	2119.225	82	3500.409	17	1456.74	99	3149.476	

Table 9(iv)

# ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

STATE:KERALA      YEAR:2007-2008      SEASON:WINTER PADDY      CENTRAL SAMPLE

Sl.No	District	No. of expts. Checked at harvest				HY varieties				Other Varieties				Both Hy & Others							
		Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated					
		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
1	Tvpm	7	7	3400.332			7	3400.332							7	3400.332				7	3400.332
2	Kollam	6	3	3620.621			3	3620.621	1	1809.08	2	2685.93	3	2393.647	4	3167.736	2	2685.93	6	3007.134	
3	Path	4	1	2216.3			1	2216.300	3	3663			3	3663	4	3301.325			4	3301.325	
4	Alpy	5	4	4707.318	1	6103.944	5	4986.643							4	4707.318	1	6103.94	5	4986.643	
5	Kottm	8	7	2774.112			7	2774.112	1	1953.6			1	1953.6	8	2671.548			8	2671.548	
6	Idukki	4	4	4162.4			4	4162.400							4	4162.4			4	4162.4	
7	Ekrm	8	8	2723.94			8	2723.940							8	2723.94			8	2723.94	
8	Thrs	9	7	4144.423			7	4144.423	2	1874.66			2	1874.66	9	3640.031			9	3640.031	
9	Pakkd	10	8	4319.635			8	4319.635			2	3526.88	2	3526.88	8	4319.635	2	3526.88	10	4161.084	
10	Mlp	9	7	4169.91	1	7169.384	8	4544.844	1	3414.7			1	3414.7	8	4075.508	1	7169.38	9	4419.272	
11	Kozhi	6							1	1357.5	5	2457.98	6	2274.567	1	1357.5	5	2457.98	6	2274.567	
12	Wyd	4			4	3416.77	4	3416.770									4	3416.77	4	3416.77	
13	Kannur	9	4	4587.9	2	1476	6	3550.600	3	1508.8			3	1508.8	7	3268.286	2	1476	9	2870	
14	Ksrgd	6	3	3358.293			3	3358.293	3	3916.36			3	3916.36	6	3637.327			6	3637.327	
	State	95	63	3726.247	8	3736.55	71	3727.408	15	2636.58	9	2746.169	24	2677.675	78	3516.695	17	3212.23	95	3462.212	

Table 9(v)

# CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA

YEAR : 2007 - 08

SEASON : WINTER PADDY

STATE SAMPLE

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		No.	Yield Rate	No.	Yield Rate	No. of Experiments			Rate of application			No.	Yield Rate		
						N	P	K	Exclusive Total	Yield Rate	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	3591.9			8	8	6	8	3591.9	65.87	44.05	67		
2	Kollam	6	3650.16			6	6	3	6	3650.157	41.17	36.33	35.67		
3	Pathanamthitta	4	3611.2	2	3394.75	3	4	3	4	3611.2	44	39.5	51		
4	Alappuzha	6	898.744			2	2	0	2	1376.76	27.1	27.1		4	659.736
5	Kottayam	8	3478.07	4	2940.17	8	8	8	8	3478.074	37.38	45.44	42.25		
6	Idukki	4	4474.58	3	4299.89	4	4	4	4	4474.58	28.14	16.82	1.8		
7	Ernakulam	8	2788.69	1	2175.6	8	6	6	8	2788.69	25.15	21.52	46.71		
8	Thrissur	10	2968.1	6	3042.47	9	9	8	9	3131.568	41.54	22.72	28.55	1	1496.88
9	Palakkad	10	4234.51	8	4405.32	10	9	8	10	4234.514	83.74	24.44	50.96		
10	Malappuram	10	3139.73	2	2805.74	9	9	6	9	3216.281	51.22	32.89	53	1	2450.816
11	Kozhikode	5	946.268	1	1900.5	1	1		1	1900.5	31	31		4	707.71
12	Wayanad	4	4049.85	1	3932.54	3	2	3	3	4168.397	20	15	18.67	1	3694.208
13	Kannur	10	3013.66	2	3470.24	9	9	8	9	3204.56	36.64	24.62	46.43	1	1295.6
14	Kasargod	6	3133.58	2	3176.18	4	3	2	4	3393.79	40.83	48.77	53.15	2	2613.172
	<b>Total</b>	<b>99</b>	<b>3149.48</b>	<b>32</b>	<b>3495.63</b>	<b>84</b>	<b>80</b>	<b>65</b>	<b>85</b>	<b>3437.23</b>	<b>45.59</b>	<b>31.15</b>	<b>42.7</b>	<b>14</b>	<b>1402.402</b>

Table 9(vi)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	YEAR : 2007 - 08				SEASON : WINTER PADDY				STATE SAMPLE			
		Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram			8	3591.9			8	3591.9			8	3591.9
2	Kollam			5	3996.2208	1	1919.84	5	3996.22			6	3650.157
3	Pathanamthitta			2	3827.65	2	3394.75	2	3827.65			4	3611.2
4	Alappuzha	3	838.992	5	1054.0992	1	121.968	2	1376.76	1	121.968	5	1054.099
5	Kottayam			4	4015.98	4	2940.168	4	4015.98			8	3478.074
6	Idukki			1	4998.664	3	4299.885	1	4998.66			4	4474.58
7	Ernakulam			7	2876.2743	1	2175.6	7	2876.27			8	2788.69
8	Thrissur	1	1496.88	4	2856.546	6	3042.468	3	3309.77			10	2968.099
9	Palakkad			2	3551.298	8	4405.319	2	3551.3			10	4234.514
10	Malappuram	1	2450.816	8	3223.234	2	2805.736	7	3333.58			10	3139.734
11	Kozhikode	2	1044.37	2	1044.37	3	880.8667			2	371.05	3	1329.747
12	Wayanad	1	3694.208	3	4088.952	1	3932.544	2	4286.32			4	4049.85
13	Kannur	1	1295.6	8	2899.52	2	3470.24	7	3128.65			10	3013.664
14	Kasaragod			4	3112.286	2	3176.18					6	3133.584
	<b>Total</b>	<b>9</b>	<b>1504.802</b>	<b>63</b>	<b>3129.431</b>	<b>36</b>	<b>3184.557</b>	<b>54</b>	<b>3400.2</b>	<b>3</b>	<b>288.022</b>	<b>96</b>	<b>3238.897</b>

Table 9(vii)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

CENTRAL SAMPLE

SEASON : WINTER PADDY

YEAR : 2007 - 08

STATE : KERALA

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		No.	Yield Rate	No.	Yield Rate	No of Experiments			Rate of application			No.	Yield Rate		
						N	P	K	Exclusive Total	Yield Rate	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	7	3400.332			7	6	7	7	3400.332	79.07	43.4	60.89		
2	Kollam	6	3007.134			6	6	5	6	3007.134	43.17	18	34.2		
3	Pathanamthitta	4	3301.325			4	3	3	4	3301.325	24	19	24.33		
4	Alappuzha	5	4986.643	4	4693.458	5	5	3	5	4246.334	52.2	19	16.33		
5	Kottayam	8	2671.548	5	3139.968	7	4	5	7	2945.623	58.13	25.6	61.12	1	753.024
6	Idukki	4	4162.4	2	4786.76	4	4	1	4	4162.4	72.2	35.4	26		
7	Ernakulam	8	2723.94	4	3168.68	8	8	8	8	2723.94	56.63	33.75	42.88		
8	Thrissur	9	3640.032	4	4402.431	8	8	6	8	3942.23	68.88	34.75	45.33	1	1222.452
9	Palakkad	10	4161.085	6	4309.071	10	8	9	10	4161.085	56.7	28.5	52.22		
10	Malappuram	9	4419.273	3	4840.611	8	5	5	9	4419.273	77.88	34	34.4		
11	Kozhikode	6	2274.567	1	2190.1	6	5	2	6	2274.567	27.17	19.2	40		
12	Wayanad	4	3416.77	2	2781.828	3	2	3	3	3379.53	25.33	27.5	38.33	1	3528.49
13	Kannur	9	2870	2	5182.4	7	7	5	7	3493.2	55.57	40.71	35.4	2	688.8
14	Kasargod	6	3637.328			5	5	5	5	3631.402	44.48	20.64	36.52	1	3666.96
	<b>Total</b>	<b>95</b>	<b>3462.212</b>	<b>33</b>	<b>4025.044</b>	<b>88</b>	<b>76</b>	<b>67</b>	<b>89</b>	<b>3535.507</b>	<b>52.96</b>	<b>28.53</b>	<b>39.14</b>	<b>6</b>	<b>1758.088</b>

Table 9(viii)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram			7	3400.332			7	3400.332			7	3400.332
2	Kollam			6	3007.134			6	3007.134			6	3007.134
3	Pathanamthitta			4	2216.3			4	2216.3			4	2216.3
4	Alappuzha			1	2457.84	4		1	2457.84			5	4246.334
5	Kottayam	1	753.024	3	1890.848	5	3139.968	2	2459.76			8	2671.548
6	Idukki			2	3538.04	2	4786.76	2	3538.04			4	4162.4
7	Ernakulam			4	2279.2	4	3168.68	4	2279.2			8	2723.94
8	Thrissur			4	3482.028	5	3766.4352	4	3482.028	1	1222.452	8	3942.23
9	Palakkad			4	3939.105	6	4309.071	4	3939.105			10	4161.085
10	Malappuram			6	4208.604	3	4840.6107	6	4208.604			9	4419.273
11	Kozhikode			5	2291.46	1	2190.1	5	2291.46			6	2274.567
12	Wayanad			1	4574.934	3	3030.7153	1	4574.934	1	3528.49	3	3379.53
13	Kannur	2	688.8	7	2209.314286	2	5182.4	5	2817.52			9	2870
14	Kasargod	1	3666.96	6	3637.328			5	3631.402			6	3637.328
	<b>Total</b>	<b>4</b>	<b>1449.396</b>	<b>60</b>	<b>3054.8525</b>	<b>35</b>	<b>3930.7826</b>	<b>56</b>	<b>3169.528</b>	<b>2</b>	<b>2375.471</b>	<b>93</b>	<b>3399.114</b>

STATE : KERALA

YEAR : 2007 - 08

SEASON : WINTER PADDY

CENTRAL SAMPLE

Table 10(i)

## CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2007-08

SEASON : SUMMER

CROP : PADDY

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	4	4				
4	Alappuzha	6	6				
5	Kottayam	8	7	1			
6	Idukki	4	4				
7	Ernakulam	8	8				
8	Thrissur	10	10				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	6	6				
12	Wayanad	4	4				
13	Kannur	10	10				
14	Kasargod	6	6				
Total for all crops		100	99	1			
Percentage to col.3			99	1			

Table 10(ii)

## CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2007-08

SEASON : Summer

CENTRAL SAMPLE

CROP : Paddy

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	4	4				
4	Alappuzha	6	6				
5	Kottayam	8	8				
6	Idukki	4	4				
7	Ernakulam	8	7				1
8	Thrissur	10	10				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	6	6				
12	Wayanad	4	4				
13	Kannur	10	10			1*	
14	Kasargod	6	6				
	<b>Total</b>	<b>100</b>	<b>99</b>			<b>1</b>	<b>1</b>
	% to col.3		<b>99</b>				

1\* As weight not recorded in the schedule



Table 10(iii)

**ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES**

**STATE:KERALA YEAR:2007-2008 SEASON:SUMMER PADDY STATE SAMPLE**

Sl.No	District	HY varieties				Other Varieties				Both Hy & Others									
		Irrigated	Un irrigated	Total	No. of expts. Checked at harvest	Irrigated	Un irrigated	total	No. of Experiments	Irrigated	Un irrigated	Total	No. of Experiments						
		No. of Experiments	Yield Rate Kg/Ha	Yield Rate Kg/Ha	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Yield Rate Kg/Ha	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Yield Rate Kg/Ha	Yield Rate Kg/Ha						
1	2	4	5	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
1	Typrn	7	2714.15	1	4538.4	8	2942.18						7	2714.15	1	4538.4	8	2942.183	
2	Kollam	6	1577.52			6	1577.52						6	1577.52			6	1577.524	
3	Path	4	2851.15			4	2851.15						4	2851.15			4	2851.147	
4	Alpy	6	2638.41			6	2638.41						6	2638.41			6	2638.413	
5	Ktm	7	4082.3			7	4082.3						7	4082.3			7	4082.302	
6	Idukki	4	4061.09			4	4061.09						4	4061.09			4	4061.088	
7	Ekrm	8	2458.54			8	2458.54						8	2458.54			8	2458.544	
8	Thrs	10	4710.4			10	4710.4						10	4710.4			10	4710.4	
9	Pakkd	9	4937.13			9	4937.13	1	1188.18			1	1188.18	10	4562.23		10	4562.234	
10	Mlp	6	3693.48			6	3693.48	4	2270.21			4	2270.21	10	3124.17		10	3124.173	
11	Kozhi	5	3829.89			5	3829.89	1	1841.09			1	1841.088	6	3498.42		6	3498.424	
12	Wyd	4	2180.24			3	2180.24	1	1411.62			1	1411.624	4	1988.08		4	1988.084	
13	Kannur	10	4053.78	1	3036	5	3850.23	5	1322.68			5	1322.68	9	2536.5	1	3036	10	2586.455
14	Ksrkd	6	1802.63			4	1802.63	2	2550.24			2	2550.24	6	2051.83		6	2051.83	
	State	83	3409.67	2	3787.2	85	3418.56	14	1802.54			14	1802.54	97	3177.72	2	3787.2	99	3190.029

Table 10(iv)

## ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

CENTRAL SAMPLE

SEASON: SUMMER PADDY

YEAR: 2007-2008

STATE: KERALA

Sl.No	District	No. of expts. Checked at harvest	HY varieties				Other Varieties				Both Hy & Others									
			Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated			
			No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Typm	8	8	3827.45	0	0	0	0	0	0	0	0	0	0	8	3827.45	0	0	8	3827.45
2	Kollam	6	4	1497.99	2	2285.56	6	1760.51	0	0	0	0	0	0	4	1497.99	2	2285.56	6	1760.51
3	Path	4	4	4659.3	0	0	4	4659.3	0	0	0	0	0	0	4	4659.3	0	0	4	4659.3
4	Alpy	6	6	3624.92	0	0	6	3624.92	0	0	0	0	0	0	6	3624.92	0	0	6	3624.92
5	Kottim	8	7	4333.08	0	0	7	4333.08	1	2462	0	0	1	2461.92	8	4099.19	0	0	8	4099.19
6	Idukki	4	4	3478.64	0	0	4	3478.64	0	0	0	0	0	0	4	3478.64	0	0	4	3478.64
7	Ekam	7	7	1847.7	0	0	7	1847.7	0	0	0	0	0	0	7	1847.7	0	0	7	1847.7
8	Thrs	10	10	3762.43	0	0	10	3762.43	0	0	0	0	0	0	10	3762.43	0	0	10	3762.43
9	Pakkd	10	9	2929.59	1	1414.5	10	2778.08	0	0	0	0	0	0	9	2929.59	1	1414.5	10	2778.08
10	Mlp	10	8	4196.67	0	0	8	4196.67	2	2498	0	0	2	2498.37	10	3857.01	0	0	10	3857.01
11	Kozhi	6	4	4002.4	1	2194.32	5	3640.79	0	0	1	2265.68	1	2265.68	4	4002.4	2	2230	6	3411.6
12	Wyd	4	4	4071.07	0	0	4	4071.07	0	0	0	0	0	0	4	4071.07	0	0	4	4071.07
13	Kannur	9	2	3331.31	1	682.87	3	2448.5	4	1147	2	1265.01	6	1186.05	6	1874.82	3	1070.96	9	1606.87
14	Ksrgd	6	2	3760.68	0	0	2	3760.68	4	1416	0	0	4	1415.57	6	2197.27	0	0	6	2197.27
	<b>State</b>	<b>98</b>	<b>79</b>	<b>3521.77</b>	<b>5</b>	<b>1772.56</b>	<b>84</b>	<b>3417.65</b>	<b>11</b>	<b>1610</b>	<b>3</b>	<b>1598.56</b>	<b>14</b>	<b>1607.35</b>	<b>90</b>	<b>3288.08</b>	<b>8</b>	<b>1707.31</b>	<b>98</b>	<b>3159.04</b>

Table 10(v)

**CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS**

**STATE : KERALA**      **YEAR : 2007 - 08**      **SEASON : SUMMER PADDY**      **STATE SAMPLE**

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No. of Experiments			Rate of application			No.	Yield Rate(KG/Ha)		
						N	P	K	Yield Rate(KG/Ha)	N	P			K	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	2942.183	2	3220.8	8	8	7	8	2942.183	84.89	36.75	66.43		
2	Kollam	6	1577.524	2	3295.58	4	4	4	4	2366.286	56.37	39	32.15	2	0
3	Pathanamthitta	4	2851.147	2	3607.08	4	4	4	4	2851.147	51.5	30	38		
4	Alappuzha	6	2638.413	3	2729.81	6	6	6	6	2638.413	75	39.17	61		
5	Kottayam	7	4082.302	5	3970.47	7	7	7	7	4082.302	90.86	47.86	54.43		
6	Idukki	4	4061.088	2	3598.53	4	3	2	4	4061.088	37.09	10.7	15		
7	Ernakulam	8	2458.544	2	2984.33	8	8	6	8	2458.544	29.84	27.8	62.76		
8	Thrissur	10	4710.4	4	4671.76	8	8	7	8	4937.18	69.35	41.63	73.81	2	3803.28
9	Palakkad	10	4562.234	5	3853.48	10	8	10	10	4562.234	91.79	44.25	77.55		
10	Malappuram	10	3124.173	2	2540.82	10	9	9	10	3124.173	48.6	36.33	42.67		
11	Kozhikode	6	3498.424			4	4	2	4	4132.636	45.51	16.98	89.7	2	2230
12	Wayanad	4	1988.084			1	1	1	1	3171.936	49.5	15	37.5	3	1593.467
13	Kannur	10	2586.455	2	3632.76	9	7	10	10	2586.455	40.85	39.77	51.76		
14	Kasargod	6	2051.83			6	5	4	6	2051.83	42.24	25.72	35.75		
	<b>Total</b>	<b>99</b>	<b>3190.029</b>	<b>31</b>	<b>3549.91</b>	<b>89</b>	<b>82</b>	<b>79</b>	<b>90</b>	<b>3321.845</b>	<b>58.1</b>	<b>32.21</b>	<b>52.75</b>	<b>9</b>	<b>1871.884</b>

Table 10(vi)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA      YEAR : 2007 - 08      SEASON : SUMMER PADDY      STATE SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate(KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram			6	2849.31	2	3220.8	6	2849.31			8	2942.183
2	Kollam	2	0	4	718.497	2	3295.578	2	1436.99			6	1577.524
3	Pathanamthitta			2	2095.21	2	3607.084	2	2095.21			4	2851.147
4	Alappuzha			3	2547.0133	3	2729.813	3	2547.01			6	2638.413
5	Kottayam			2	4361.88	5	3970.47	2	4361.88			7	4082.302
6	Idukki			2	4523.648	2	3598.528	2	4523.65			4	4061.088
7	Ernakulam			6	2283.2827	2	2984.328	6	2283.28			8	2458.544
8	Thrissur	2	3803.28	6	4736.16	4	4671.76	4	5202.6			10	4710.4
9	Palakkad			5	5270.9928	5	3853.475	5	5270.99			10	4562.234
10	Malappuram			8	3270.012	2	2540.816	8	3270.01			10	3124.173
11	Kozhikode	1	2618.912	5	3829.8912	1	1841.088	4	4132.64	1	1841.088	5	3829.891
12	Wayanad	3	1593.467	4	1988.084			1	3171.94			4	1988.084
13	Kannur			8	2324.8793	2	3632.756	8	2324.88			10	2586.455
14	Kasargod			6	2051.83			6	2051.83			6	2051.83
	Total	8	1875.734	67	3018.148	32	3549.909	59	3246.94	1	1841.088	98	3203.795

Table 10(vii)

# CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

CENTRAL SAMPLE

SEASON : SUMMER PADDY

YEAR : 2007 - 08

STATE : KERALA

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers				Experiments not Treated with Fertilizers					
		Yield Rate(KG/Ha)		Yield Rate(KG/Ha)		No. of Experiments		Rate of application				Yield Rate(KG/Ha)			
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N	P	K	No.	Yield Rate(KG/Ha)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	3827.45	1	1610.4	8	6	7	8	4374.223	93.75	53.17	90.14	0	0
2	Kollam	6	1760.51	1	2167.15	5	2	5	5	1829.88	50	11.5	72.2	1	1413.672
3	Pathanamthitta	4	4659.3	0	0	4	4	4	4	4659.304	119.3	39.75	89.75	0	0
4	Alappuzha	6	3624.92	4	2992.44	6	6	6	6	3624.924	47.17	30.67	40.17	0	0
5	Kottayam	8	4099.19	6	3879.01	8	8	8	8	4099.186	79.34	41.6	51.58	0	0
6	Idukki	4	3478.64	1	2718.72	4	4	1	4	3478.64	40.33	27.8	99	0	0
7	Ernakulam	7	1847.7	3	1392.32	7	6	4	7	1847.703	35.43	23.33	41.25	0	0
8	Thrissur	10	3762.43	5	3275.94	10	9	8	10	3762.432	85.1	34.11	80.25	0	0
9	Palakkad	10	2778.08	6	2703.9	9	8	8	9	2536.46	59.31	23.5	26.75	1	4952.636
10	Malappuram	10	3857.01	1	4833.01	8	8	7	8	4053.405	113.9	52.38	119.1	2	3071.416
11	Kozhikode	6	3411.6	1	5644.58	6	5	4	6	3411.603	40	20.2	49.25	0	0
12	Wayanad	4	4071.07	0	0	3	3	3	3	3287.228	56	44.33	1	1	6422.608
13	Kannur	9	1606.87	0	0	9	8	3	9	1606.868	54.56	26.75	46.67	0	0
14	Kasaragod	6	2197.27	0	0	4	2	6	6	2197.272	21.55	10.9	55.97	0	0
	<b>Total</b>	<b>98</b>	<b>3159.04</b>	<b>29</b>	<b>3068.89</b>	<b>91</b>	<b>79</b>	<b>74</b>	<b>93</b>	<b>3172.35</b>	<b>63.98</b>	<b>31.43</b>	<b>61.65</b>	<b>5</b>	<b>3786.35</b>

Table 10(viii)

# CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA

YEAR : 2007 - 08

SEASON : SUMMER PADDY

CENTRAL SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate(KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	7	4144.166	1	1610.4	7	4144.17	0	0	8	3827.45
2	Kollam	1	1413.672	5	1679.184	1	2167.152	4	1745.56	0	0	6	1760.51
3	Pathanamthitta	0	0	4	4659.304	0	0	4	4659.3	0	0	4	4659.3
4	Alappuzha	0	0	2	4889.9	4	2992.436	2	4889.9	0	0	6	3624.92
5	Kottayam	0	0	2	4759.712	6	3879.011	2	4759.71	0	0	8	4099.19
6	Idukki	0	0	3	3731.947	1	2718.72	3	3731.95	0	0	4	3478.64
7	Ernakulam	0	0	4	2189.24	3	1392.32	4	2189.24	0	0	7	1847.7
8	Thrissur	0	0	5	4248.928	5	3275.936	5	4248.93	0	0	10	3762.43
9	Palakkad	0	0	3	2201.591	7	3025.144	3	2201.59	1	4952.636	9	2536.46
10	Malappuram	2	3071.416	9	3748.563	1	4833.008	7	3942.03	0	0	10	3857.01
11	Kozhikode	0	0	5	2965.008	1	5644.576	5	2965.01	0	0	6	3411.6
12	Wayanad	0	0	3	3287.228	1	6422.608	3	3287.23	1	6422.608	3	3287.23
13	Kannur	0	0	9	1606.868	0	0	9	1606.87	0	0	9	1606.87
14	Kasargod	0	0	6	2197.272	0	0	6	2197.27	0	0	6	2197.27
	Total	3	2518.83	67	3122.58	31	3237.84	64	3150.88	2	5687.62	96	3106.36

Table 11(f)

## CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA      YEAR : 2007-08      STATE SAMPLE

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	6	6				
2	Kollam	6	6				
3	Pathanamthitta	NIL					
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki	NIL					
7	Ernakulam	6	6				
8	Thrissur	6	6				
9	Palakkad	8	8				
10	Malappuram	6	6				
11	Kozhikode	4	4				
12	Wayanad	Nil					
13	Kannur	6	6				
14	Kasargod	4	4				
Total for all crops		60	60				
Percentage to col.3			100				

SEASON : ANNUAL

CROP : BANANA

Table 11(i)

## CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2007-08

CENTRAL SAMPLE

SEASON : Annual

CROP : Banana

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2		4	5	6	7	8
1	Thiruvananthapuram	6	6				
2	Kollam	6	6				
3	Pathanamthitta	0	0				
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Emakulam	6	6				
8	Thrissur	6	5	1			
9	Palakkad	8	8				
10	Malappuram	6	6				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	6	6				
14	Kasargod	4	4				
	<b>Total</b>	<b>60</b>	<b>59</b>	<b>1</b>			
	% to col.3		98.33	1.667			



Table 11(iii)

**ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES**

STATE: KERALA      YEAR: 2007-08      SEASON: ANNUAL      CROP: BANANA      STATE SAMPLE

Sl.No	District	HY varieties						Other Varieties						Both Hy & Others										
		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Irrigated		Un irrigated		Total		
		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21				
1	Tvpvm								5	12666.7	1	10833.33	6	12361.11	5	12666.67	1	10833.33	6	12361.11				
2	Kollam										6	11450	6	11450			6	11450	6	11450				
3	Ptntta	Nil							4	8991.67			4	8991.67	4	8991.67			4	8991.67				
4	Alpza										4	16075	4	16075			4	16075	4	16075				
5	Kotym																							
6	Idukki	Nil																						
7	Ernkim								6	12500			6	12500	6	12500			6	12500			6	12500
8	Trissur								4	15200	2	11766.67	6	14055.56	4	15200	2	11766.67	6	14055.56			6	14055.56
9	Palkkad								7	14876.2	1	7533.33	8	13958.33	7	14876.19	1	7533.33	8	13958.33			8	13958.33
10	Mipram								2	9650	4	18916.67	6	15827.78	2	9650	4	18916.67	6	15827.78			6	15827.78
11	Kozkd								4	11683.3			4	11683.33	4	11683.33			4	11683.33			4	11683.33
12	Wynad	Nil																						
13	Kannur								6	11005.6			6	11005.56	6	11005.56			6	11005.56			6	11005.56
14	Ksrgod								4	16616.7			4	16616.67	4	16616.67			4	16616.67			4	16616.67
	State								42	12804	18	13920.37	60	13138.89	42	12803.97	18	13920.37	60	13138.89			60	13138.89

Table 11(iv)

# ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

STATE:KERALA      YEAR:2007-2008      SEASON:ANNUAL BANANA      CENTRAL SAMPLE

Sl.No	District	HY varieties				Other Varieties				Both Hy & Others										
		Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated		Total						
		No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	6	0	0	0	0	0	0	5	13633.3	1	11333.3	6	13250	5	13633.3	1	11333.3	6	13250
2	Kollam	6	0	0	0	0	0	0	0	0	6	10433.3	6	10433.3	0	0	6	10433.3	6	10433.3
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy .	4	0	0	0	0	0	0	4	15575	0	0	4	15575	4	15575	0	0	4	15575
5	Koitim	4	0	0	0	0	0	0	0	0	4	16508.3	4	16508.3	0	0	4	16508.3	4	16508.3
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	EkM	6	0	0	0	0	0	0	4	12743.3	2	9333.33	6	11606.7	4	12743.3	2	9333.33	6	11606.67
8	Thrs	5	0	0	0	0	0	0	5	22037.3	0	0	5	22037.3	5	22037.3	0	0	5	22037.33
9	Pakkd	8	0	0	0	0	0	0	5	13509.3	3	10766.7	8	12480.8	5	13509.3	3	10766.7	8	12480.83
10	Mlp	6	0	0	0	0	0	0	6	11657.8	0	0	6	11657.8	6	11657.8	0	0	6	11657.78
11	Kozhi	4	0	0	0	0	0	0	1	13600	3	14477.8	4	14258.3	1	13600	3	14477.8	4	14258.33
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	6	0	0	0	0	0	0	4	12033.3	2	18250	6	14105.6	4	12033.3	2	18250	6	14105.56
14	Ksrgd	4	0	0	0	0	0	0	4	17840	0	0	4	17840	4	17840	0	0	4	17840
	State	59	0	0	0	0	0	0	38	14795.1	21	12898.4	59	14120	38	14795.1	21	12898.4	59	14120

Table 11(v)

## CROP-WISE RATE OF APPLICATION FERTILIZERS AND YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	YEAR:2007-08		SEASON : ANNUAL		CROP :BANANA		STATE SAMPLE							
		Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers		Experiments not Treated with Fertilizers							
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No. of Experiments	Rate of application	No.	Yield Rate (KG/Ha)						
				N	P	K	Exclusive Total	Yield Rate (KG/Ha)	N	P	K	No.	Yield Rate (KG/Ha)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	6	12361.11	1	10833.33	5	5	1	5	13460	51.88	32.28	127	1	6866.67
2	Kollam	6	11450			5	5	3	5	11613.33	130.8	99	172.67	1	10633.33
3	Pithanmithitta	NIL													
4	Alappuzha	4	8991.67			2	1	2	2	7900	66	40	60	2	10083.33
5	Kottayam	4	16075	1	18778.33	4	2	4	4	16075	167.65	52.5	197		
6	Idukki	NIL													
7	Ernakulam	6	12500	1	10300	4	4	3	4	13875	167.29	73.003	253.2	2	9750
8	Thrissur	6	14055.56			4	4	0	4	15200	44.9	40.9		2	11766.67
9	Palakkad	8	13958.33			7	7	6	7	13538.09	130.23	126.06	158.7	1	16900
10	Malappuram	6	15827.78	1	13466.67	3	2	1	3	20622.22	32.07	38.6	36	3	11033.33
11	Kozhikode	4	11683.33			3	3	3	3	8466.67	124	116.67	90	1	21333.33
12	Wayanad	NIL													
13	Kannur	6	11005.56	2	7866.67	4	4	3	4	10850	223.25	102.5	178.67	2	11316.67
14	Kasargod	4	16616.67			2	2	2	2	13200	108.5	108.5	225	2	20033.33
	Total	60	13138.889	6	11518.61	43	39	28	43	13339.53	28.99	21.28	53.51	17	12631.37

Table 11(vi)

## CROP-WISE RATE OF APPLICATION FERTILIZERS AND YIELD RATES ACCORDING TO INPUTS

SI.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	1	6866.67	5	12666.67	1	10833.33	4	14116.67			6	12361.11
2	Kollam	1	10633.33	6	11450			5	23093.33			6	11450
3	Pthanamthitta												
4	Alappuzha	2	10083.33	4	8991.67			2	17983.33			4	8991.67
5	Kottayam			3	15188.89	1	18733.33	3	15188.89			4	16075
6	Idukki												
7	Emakulam	2	9750	5	12940	1	10300	3	15066.67			6	12500
8	Thrissur	2	11766.67	6	14055.56			4	15200			6	14055.56
9	Palakkad	1	16900	8	13958.33			7	15952.38			8	13958.33
10	Malappuram	3	11033.33	5	16300	1	13466.67	2	24200			6	15827.78
11	Kozhikode	1	21333.33	4	11683.33			3	8466.67			4	11683.33
12	Wayanad												
13	Kannur	2	11316.67	4	12575	2	7866.67	2	13833.33			6	11005.56
14	Kasaragod	2	20033.33	4	16616.67			2	13200			4	16616.67
	Total	17	12631.37	54	13319.75	6	11511.11	37	16189.19			60	13138.89

Table 11(vii)

# CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

CENTRAL SAMPLE

SEASON : ANNUAL BANANA

YEAR : 2007 - 08

STATE : KERALA

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		No. of Experiments		Rate of application				No.	Yield Rate(KG/Ha)		
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	6	13250	2	13933.3	3	3	2	3	5600	221.7	170.3	100	0	0
2	Kollam	6	10433.3	2	12116.7	0	0	2	2	12116.67	0	0	63	4	9591.667
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	15575	2	21833.3	3	3	3	3	17433.33	40	162.7	180	1	10000
5	Kottayam	4	16508.3	3	14944.4	4	4	3	4	16508.33	49.53	35.95	69.13	0	0
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	6	11606.7	1	18193.3	5	4	4	5	10821.33	198	207.8	170.8	1	15533.33
8	Thrissur	5	22037.3	0	0	3	3	1	3	22151.11	96.67	96.67	119	2	21866.67
9	Palakkad	8	12480.8	0	0	6	6	3	6	13196.67	365.3	165.7	247.3	2	10333.33
10	Malappuram	6	11657.8	0	0	6	6	2	6	11657.78	98	95	77	0	0
11	Kozhikode	4	14258.3	0	0	4	4	2	4	14258.33	153	153	163	0	0
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	6	14105.6	0	0	5	5	4	5	13686.67	209.2	111.4	184.3	1	16200
14	Kasargod	4	17840	0	0	2	1	0	2	19283.33	2	2	0	2	16396.67
	Total	59	14120	10	15879.3	41	39	26	43	13792.71	143.3	120	137.4	13	13637.95

Table 11(vii)

# CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO IMPUTS

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		No. of Experiments						Rate of application				Experiments not Treated with Fertilizers	
		Experiments at harvest Stage		Experiments Treated with Fertilizers Only		No. of Experiments						Rate of application				Experiments not Treated with Fertilizers	
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N	P	K	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
1	Thiruvananthapuram	6	13250	2	13933.3	3	3	2	3	5600	221.7	170.3	100	0	0		
2	Kollam	6	10433.3	2	12116.7	0	0	2	2	12116.67	0	0	63	4	9591.667		
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4	Alappuzha	4	15575	2	21833.3	3	3	3	3	17433.33	40	162.7	180	1	10000		
5	Kottayam	4	16508.3	3	14944.4	4	4	3	4	16508.33	49.53	35.95	69.13	0	0		
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7	Ernakulam	6	11606.7	1	18193.3	5	4	4	5	10821.33	198	207.8	170.8	1	15533.33		
8	Thrissur	5	22037.3	0	0	3	3	1	3	22151.11	96.67	96.67	119	2	21866.67		
9	Palakkad	8	12480.8	0	0	6	6	3	6	13196.67	365.3	165.7	247.3	2	10333.33		
10	Malappuram	6	11657.8	0	0	6	6	2	6	11657.78	98	95	77	0	0		
11	Kozhikode	4	14258.3	0	0	4	4	2	4	14258.33	153	153	163	0	0		
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
13	Kannur	6	14105.6	0	0	5	5	4	5	13686.67	209.2	111.4	184.3	1	16200		
14	Kasaragod	4	17840	0	0	2	1	0	2	19283.33	2	2	0	2	16396.67		
	<b>Total</b>	<b>59</b>	<b>14120</b>	<b>10</b>	<b>15879.3</b>	<b>41</b>	<b>39</b>	<b>26</b>	<b>43</b>	<b>13792.71</b>	<b>143.3</b>	<b>120</b>	<b>137.4</b>	<b>13</b>	<b>13637.95</b>		

STATE : KERALA

YEAR : 2007 - 08

SEASON : ANNUAL BANANA

CENTRAL SAMPLE

Table 11(viii)

# CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	3	13433.333	4	12908.333	2	13933.33	1	11333.3	0	0	6	13250
2	Kollam	3	11122.222	3	11122.222	3	9744.444	0	0	1	5000	5	11520
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	1	10000	2	9316.667	2	21833.33	1	0	0	0	4	15575
5	Kottayam	0	0	1	21200	3	14944.44	1	21200	0	0	4	16508.3
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Emakulam	1	15533.333	5	10289.333	1	18193.33	4	8978.33	0	0	6	11606.7
8	Thrissur	2	21866.667	5	22037.333	0	0	3	22151.1	0	0	5	22037.3
9	Palakkad	2	10333.333	8	12480.833	0	0	6	13196.7	0	0	8	12480.8
10	Malappuram	0	0	6	11657.778	0	0	6	11657.8	0	0	6	11657.8
11	Kozhikode	0	0	4	14258.333	0	0	4	14258.3	0	0	4	14258.3
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	16200	6	14105.556	0	0	5	13686.7	0	0	6	14105.6
14	Kasargod	2	16396.667	4	17840	0	0	2	19283.3	0	0	4	17840
	<b>Total</b>	<b>15</b>	<b>14172.89</b>	<b>48</b>	<b>13943.47</b>	<b>11</b>	<b>14890.3</b>	<b>33</b>	<b>13577.6</b>	<b>1</b>	<b>5000</b>	<b>58</b>	<b>14277.2</b>

STATE : KERALA

YEAR : 2007 - 08

SEASON : ANNUAL BANANA

CENTRAL SAMPLE

Table 12(i)

## CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2007-08

STATE SAMPLE

SEASON : Annual

CROP : Tapioca

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	0	0				
	<b>Total</b>	<b>40</b>	<b>40</b>				
	% to col.3		100				



Table 12(ii)

**CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED**  
**CENTRAL SAMPLE**

STATE : KERALA

YEAR : 2007-08

CROP : Tapioca

SEASON : Annual

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2		4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	4	0				
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	0	0				
	<b>Total</b>	<b>40</b>	<b>40</b>				
	<b>% to col.3</b>		<b>100</b>				

Table 12(III)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

STATE:KERALA YEAR:2007-2008 SEASON:ANNUAL CROP:TAPIOCA

Sl.No.	District	No. of expts. Checked at harvest	HY varieties						Other Varieties						STATE SAMPLE							
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Both Hy & Others		Total	
			No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments
1	2	3	4	5	6	7	.8	9	10	11	12	13	14	15	16	17	18	19	20	21		
1	Tvpm	4	0	0	0	0	0	0	1	41250	3	7666.67	4	16062.5	1	41250	3	7666.67	4	16062.5		
2	Kollam	4	0	0	0	0	0	0	1	31250	3	54375	4	48593.8	1	31250	3	54375	4	48593.75		
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4	Alpy	4	0	0	0	0	0	0	4	28125	0	0	4	28125	4	28125	0	0	4	28125		
5	Kottim	4	0	0	2	28750	2	28750	1	6500	1	8750	2	7625	1	6500	3	22083.3	4	18187.5		
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7	Ekm	4	0	0	0	0	0	0	2	29875	2	26250	4	28062.5	2	29875	2	26250	4	28062.5		
8	Thrs	4	0	0	1	29500	1	29500	2	5625	1	16250	3	9166.67	2	5625	2	22875	4	14250		
9	Pakkd	4	1	21250	0	0	1	21250	0	0	3	9083.33	3	9083.33	1	21250	3	9083.33	4	12125		
10	Mlp	4	0	0	0	0	0	0	1	27500	3	34708.3	4	32906.3	1	27500	3	34708.3	4	32906.25		
11	Kozhi	4	0	0	0	0	0	0	0	0	4	16875	4	16875	0	0	4	16875	4	16875		
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
13	Kannur	4	0	0	2	21875	2	21875	0	0	2	31250	2	31250	0	0	4	26562.5	4	26562.5		
14	Ksrgd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	State	40	1	21250	5	26150	6	25333.33	12	24167	22	23863.6	34	23970.6	13	23942.3	27	24287	40	24175		

Table 12 (iv)

## ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	District	No. of expts. Checked at harvest	STATE:KERALA				YEAR:2007-2008				SEASON:ANNUAL TAPICCA				CENTRAL SAMPLE					
			Irrigated		HY varieties		Total		Irrigated		Other Varieties		total		Irrigated		Both Hy & Others		Total	
			No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpmm	4	0	0	1	41250	1	41250	0	0	3	14583.3	3	14583.3	0	0	4	21250	4	21250
2	Kollam	4	0	0	1	41250	1	41250	0	0	3	18333.3	3	18333.3	0	0	4	24062.5	4	24062.5
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	4	0	0	0	0	0	0	2	20625	2	13125	4	16875	2	20625	2	13125	4	16875
5	Kottm	4	0	0	1	6250	1	6250	0	0	3	29750	3	29750	0	0	4	23875	4	23875
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekrm	4	1	43500	1	28000	2	35750	1	18750	1	8750	2	13750	2	31125	2	18375	4	24750
8	Thrs	4	0	0	0	0	0	0	2	11250	2	10625	4	10937.5	2	11250	2	10625	4	10937.5
9	Pakkd	4	0	0	0	0	0	0	1	22500	3	12916.7	4	15312.5	1	22500	3	12916.7	4	15312.5
10	Mlp	4	0	0	0	0	0	0	4	38500	0	0	4	38500	4	38500	0	0	4	38500
11	Kozhi	4	0	0	1	16250	1	16250	0	0	3	19583.3	3	19583.3	0	0	4	18750	4	18750
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	1	18000	1	16250	2	17125	2	45000	0	0	2	45000	3	36000	1	16250	4	31062.5
14	Ksrgd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	State	40	2	30750	5	29850	8	26343.75	12	29083.3	20	17087.5	32	21585.9	14	29321.4	26	18884.6	40	22537.5

Table 12(v)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA      YEAR : 2007 - 08      SEASON : ANNUAL CROP-TAPIOCA      STATE SAMPLE

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No. of Experiments			Rate of application			No.	Yield Rate(KG/Ha)		
						N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	16062.5	0	0	1	1	0	1	41250	20	20	0	3	7666.667
2	Kollam	4	48593.8	1	31250	4	4	3	4	48593.75	21.98	18.18	17.57	0	0
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	28125	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	18187.5	0	0	0	0	0	0	0	0	0	0	4	28125
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	4	18187.5
7	Ernakulam	4	28062.5	0	0	0	0	0	0	0	0	0	0	0	0
8	Thrissur	4	14250	0	0	0	0	0	0	0	0	0	0	4	28062.5
9	Palakkad	4	12125	3	13500	4	4	3	4	12125	33	33	64	0	14250
10	Malappuram	4	32906.3	0	0	1	1	1	1	22500	6.4	6.4	12.8	3	36375
11	Kozhikode	4	16875	0	0	0	0	0	0	0	0	0	0	4	16875
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	26562.5	1	48750	2	2	2	2	31250	14.12	14.12	34.12	2	21875
14	Kasaragod	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	State	40	24175	5	24100	12	12	9	12	30760.42	19.1	18.34	32.12	28	21352.68

Table 12(VI)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA      YEAR : 2007 - 08      SEASON : ANNUAL CROP:TAPIOCA      STATE SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Rate(KG/Ha)	No.	Yield Rate	No.	Yield Rate
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	3	7666.667	4	16062.5	0	0	1	41250	0	0	4	16062.5
2	Kollam	0	0	3	54375	1	31250	3	54375	0	0	4	48593.8
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	28125	4	28125	0	0	0	0	0	0	4	28125
5	Kottayam	1	6500	1	6500	3	22083.33	0	0	3	22083.333	1	6500
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	1	13750	1	13750	3	32833.33	0	0	3	32833.333	1	13750
8	Thrissur	1	29500	1	29500	3	9166.667	0	0	3	9166.667	1	29500
9	Palakkad	0	0	1	8000	3	13500	1	8000	0	0	4	12125
10	Malappuram	0	0	1	22500	3	36375	1	22500	3	36375	1	22500
11	Kozhikode	3	20416.667	3	20416.667	1	6250	0	0	1	6250	3	20416.7
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	21875	3	19166.667	1	48750	1	13750	0	0	4	26562.5
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0
	State	15	19350	22	24494.32	18	23784.72	7	35517.9	13	23663.46	27	24421.3

Table 12(vii)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO IMPUTS

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers					Experiments not Treated with Fertilizers				
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No. of Experiments			Rate of application			No.	Yield Rate(KG/Ha)		
						N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	21250	0	0	1	1	1	1	5892.857	37	37	37	3	14583.33
2	Kollam	4	24062.5	0	0	1	1	0	1	25000	10	10	0	-3	23750
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	16875	0	0	2	2	2	2	18750	6	6	9	2	15000
5	Kottayam	4	23875	0	0	1	1	1	1	36250	24.7	24.7	24.7	3	19750
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	24750	0	0	2	2	2	2	35750	261.5	133.5	228	2	13750
8	Thrissur	4	10937.5	0	0	0	0	0	0	0	0	0	0	4	10937.5
9	Palakkad	4	15312.5	1	22500	1	1	0	1	22500	82	82	0	3	12916.67
10	Malappuram	4	38500	0	0	3	2	1	3	40916.67	105.7	120.5	99	1	31250
11	Kozhikode	4	18750	1	16250	1	1	0	1	16250	19	19	0	3	19583.33
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	31062.5	0	0	3	3	2	3	36000	22	22	41.5	1	16250
14	Kasaragod	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>40</b>	<b>22537.5</b>	<b>2</b>	<b>19375</b>	<b>15</b>	<b>14</b>	<b>9</b>	<b>15</b>	<b>29709.52</b>	<b>63.1</b>	<b>50.52</b>	<b>73.2</b>	<b>25</b>	<b>16820</b>

STATE : KERALA

YEAR : 2007 - 08

SEASON : ANNUAL TAPIOCA

CENTRAL SAMPLE

Table 12(viii)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	YEAR : 2007 - 08						SEASON : ANNUAL TAPIOCA						CENTRAL SAMPLE					
		Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both							
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)						
1	2	17	18	19	20	21	22	23	24	25	26	27	28						
1	Thiruvananthapuram	0	0	1	41250	3	14583.33	1	41250	3	3750	1	41250						
2	Kollam	3	23750	4	24062.5	0	0	1	25000	0	0	4	24062.5						
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0						
4	Alappuzha	2	15000	4	16875	0	0	2	8125	0	0	4	16875						
5	Kottayam	2	19375	3	25000	1	20500	1	36250	1	20500	3	25000						
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0						
7	Ernakulam	0	0	2	36750	2	13750	2	35750	2	13750	2	35750						
8	Thrissur	4	10937.5	4	10937.5	0	0	0	0	0	0	4	10937.5						
9	Palakkad	3	12916.67	3	12916.67	1	22500	0	0	0	0	4	15312.5						
10	Malappuram	1	31250	4	38500	0	0	3	40916.67	0	0	4	38500						
11	Kozhikode	3	19583.33	3	19583.33	1	16250	0	0	0	0	4	18750						
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0						
13	Kannur	1	16250	4	31062.5	0	0	3	36000	0	0	4	31062.5						
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0						
	<b>Total</b>	<b>19</b>	<b>17302.63</b>	<b>32</b>	<b>24093.75</b>	<b>8</b>	<b>16312.5</b>	<b>13</b>	<b>32384.62</b>	<b>6</b>	<b>9875</b>	<b>34</b>	<b>23816.18</b>						

Table 13(i)

## CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2007-08

STATE SAMPLE

SEASON : Annual

CROP : Plantain

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Emakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	6	6				
10	Malappuram	6	6				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	0	0				
	<b>Total</b>	<b>40</b>	<b>40</b>				
	% to col.3		100				





Table 13(iii)

**ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES**

STATE:KERALA YEAR:2007-2008

CROP:PLANTAIN

STATE SAMPLE

Sl.No	District	HY varieties						Other Varieties				Both Hy & Others								
		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Total		
		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	4	0	0	0	0	0	0	2	14666.67	2	16466.7	4	15566.7	2	14666.7	2	16466.7	4	15666.67
2	Kollam	4	0	0	0	0	0	0	4	18133.3	4	18133.3	4	18133.3	0	0	4	18133.3	4	18133.33
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottim	4	0	0	0	0	0	0	4	14100	4	14100	4	14100	0	0	4	14100	4	14100
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekam	4	0	0	0	0	0	0	2	10833.33	2	9916.67	4	10375	2	10833.3	2	9916.67	4	10375
8	Thrs	4	0	0	0	0	0	0	3	10844.44	1	5666.67	4	9550	3	10844.4	1	5666.67	4	9550
9	Pakkd	6	0	0	0	0	0	0	4	10943.33	2	6533.33	6	9473.33	4	10943.3	2	6533.33	6	9473.33
10	Mip	6	0	0	0	0	0	0	0	0	6	11800	6	11800	0	0	6	11800	6	11800
11	Kozhi	4	0	0	0	0	0	0	0	0	4	4916.67	4	4916.67	0	0	4	4916.67	4	4916.67
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	0	0	0	0	0	0	4	11566.7	4	11566.7	4	11566.7	0	0	4	11566.7	4	11566.67
14	Ksrgd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	State	40	0	0	0	0	0	0	11	11573.33	29	11626.4	40	11611.8	11	11573.3	29	11626.4	40	11611.83

Table 13(iv)

## ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	District	No. of expts. Checked at harvest		STATE:KERALA				YEAR:2007-2008				SEASON:ANNUAL(PLANTAIN)				CENTRAL SAMPLE			
		Irrigated	Un irrigated	No. of Experiments	Yield Rate Kg/Ha	Total	Irrigated	Un irrigated	total	Irrigated	Un irrigated	total	Irrigated	Un irrigated	total	Irrigated	Un irrigated	total	
1	•2	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	4	0	0	0	0	0	1	12333.3	3	12266.7	4	12283.3	1	12333.3	3	12266.7	4	12283.33
2	Kollam	4	0	0	0	0	0	1	13600	3	29300	4	25375	1	13600	3	29300	4	25375
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottim	4	0	0	0	0	0	0	0	4	16200	4	16200	0	0	4	16200	4	16200
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekrm	4	1	22226.7	0	1	22226.67	1	16766.7	2	11700	3	13388.9	2	19196.7	2	11700	4	15598.33
8	Thrs	4	0	0	0	0	0	4	15916.7	0	0	4	15916.7	4	15916.7	0	0	4	15916.67
9	Pakkd	6	0	0	0	0	0	0	0	6	11533.3	6	11533.3	0	0	6	11533.3	6	11533.33
10	Mip	6	0	0	0	0	0	2	10933.3	4	10381.7	6	10565.6	2	10933.3	4	10381.7	6	10565.56
11	Kozhi	4	0	0	0	0	0	0	0	4	18291.7	4	18291.7	0	0	4	18291.7	4	18291.67
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	0	0	0	0	0	0	0	4	9600	4	9600	0	0	4	9600	4	9600
14	Ksrgd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	State	40	1	22226.7	0	1	22226.67	9	14248.2	30	14506.4	39	14446.8	10	15046	30	14506.4	40	14641.33

Table 13(v)

**CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS**

**STATE : KERALA**

**YEAR : 2007 - 08**

**SEASON : ANNUAL PLANTAIN**

**STATE SAMPLE**

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		No.	Yield Rate	No.	Yield Rate	No. of Experiments			Rate of application			No.	Yield Rate		
						N	P	K	Exclusive Total	Yield Rate	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	15566.7	0	0	2	2	2	2	14666.67	78	49.5	64.5	2	16466.67
2	Kollam	4	18133.3	0	0	1	1	1	1	31866.67	7.9	4.1	12.35	3	13555.56
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	14100	0	0	0	0	0	0	0	0	0	0	0	0
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	4	14100
7	Ernakulam	4	10375	0	0	0	0	0	0	0	0	0	0	0	0
8	Thrissur	4	0	0	0	1	1	0	1	7333.333	14.8	14.8	0	4	10375
9	Palakkad	6	9473.33	1	9233.33	1	1	0	1	9233.333	160	160	0	3	10288.89
10	Malappuram	6	11800	0	0	1	1	1	1	7466.667	20	10	40	5	9521.333
11	Kozhikode	4	4916.67	0	0	0	0	0	0	0	0	0	0	5	12666.67
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	4	4916.667
13	Kannur	4	11566.7	0	0	0	0	0	0	0	0	0	0	0	0
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0	4	11566.67
	<b>Total</b>	<b>40</b>	<b>10656.8</b>	<b>1</b>	<b>9233.33</b>	<b>6</b>	<b>6</b>	<b>4</b>	<b>6</b>	<b>14205.56</b>	<b>56.14</b>	<b>47.68</b>	<b>38.95</b>	<b>34</b>	<b>11154.12</b>

Table 13(vi)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA      YEAR : 2007 - 08      SEASON : ANNUAL PLANTAIN      STATE SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	2	16466.667	4	15566.667	0	0	2	14666.7	0	0	4	15566.7
2	Kollam	3	13555.556	4	18133.333	0	0	1	31866.7	0	0	4	18133.3
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	1	10733.333	1	10733.333	3	15222.22	0	0	3	15222.222	1	10733.3
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	2	10833.333	2	10833.333	2	9916.667	0	0	2	9916.667	2	10833.3
8	Thrissur	3	10288.889	4	9550	0	0	1	7333.33	0	0	4	9550
9	Palakkad	3	11513.333	3	11513.333	3	7433.333	0	0	2	6533.333	4	10943.3
10	Malappuram	5	12666.667	6	11800	0	0	1	7466.67	0	0	6	11800
11	Kozhikode	0	0	0	0	4	4916.667	0	0	4	4916.667	0	0
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	12033.333	2	12033.333	2	11100	0	0	2	11100	2	12033.3
14	Kasaragod	0	0	0	0	0	0	0	0	0	0	0	0
	Total	21	12324.13	26	12877.18	14	9261.9	5	15200	13	9264.1	27	12742.2

Table 13(vii)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO IMPUTS

STATE : KERALA      YEAR : 2007 - 08      SEASON : ANNUAL(PLANTAIN)      CENTRAL SAMPLE

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		Rate(KG/Ha)		Yield Rate(KG/Ha)		No. of Experiments			Rate of application			Yield Rate(KG/Ha)	Yield		
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	12283.3	0	0	0	0	0	0	0	0	0	0	4	12283.33
2	Kollam	4	25375	1	21666.7	2	2	1	2	31516.67	6.5	6.5	3	2	19233.33
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	16200	0	0	1	1	0	1	27266.67	29	29	0	3	12511.11
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Emakulam	4	15598.3	0	0	1	1	0	1	22226.67	9	9	0	3	13388.89
8	Thrissur	4	15916.7	0	0	2	2	1	2	20833.33	143.5	98	59	2	11000
9	Palakkad	6	11533.3	1	9000	1	1	1	1	9000	297	90	270	5	12040
10	Malappuram	6	10565.6	0	0	1	1	0	1	11133.33	44	44	0	5	10452
11	Kozhikode	4	18291.7	0	0	2	2	0	2	13183.33	10	10	0	2	23400
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	9600	0	0	2	2	0	2	8316.667	86.5	86.5	0	2	10883.33
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>40</b>	<b>14641.3</b>	<b>2</b>	<b>15333.3</b>	<b>12</b>	<b>12</b>	<b>3</b>	<b>12</b>	<b>18110.56</b>	<b>78.19</b>	<b>46.63</b>	<b>110.7</b>	<b>28</b>	<b>13154.52</b>

Table 13(viii)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA      YEAR : 2007 - 08      SEASON : ANNUAL(PLANTAIN)      CENTRAL SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	2	13866.667	2	13866.667	2	10700	0	0	2	10700	2	13866.7
2	Kollam	1	13600	2	27483.333	2	23266.67	1	41366.7	1	24866.667	3	25544.4
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	1	12933.333	2	20100	2	12300	1	27266.7	2	12300	2	20100
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	1	16766.667	2	19496.667	2	11700	1	22226.7	2	11700	2	19496.7
8	Thrissur	2	11000	4	15916.667	0	0	2	20833.3	0	0	4	15916.7
9	Palakkad	1	9066.667	1	9066.667	5	12026.67	0	0	4	12783.333	2	9033.33
10	Malappuram	3	8820	4	9398.333	2	12900	1	11133.3	2	12900	4	9398.33
11	Kozhikode	2	23400	4	18291.667	0	0	2	13183.3	0	0	4	18291.7
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	10883.333	4	9600	0	0	2	8316.67	0	0	4	9600
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>15</b>	<b>13141.78</b>	<b>25</b>	<b>15351.47</b>	<b>15</b>	<b>13457.78</b>	<b>10</b>	<b>18666</b>	<b>13</b>	<b>13169.23</b>	<b>27</b>	<b>15350.1</b>

Table 14(f)

## CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2007-08

STATE SAMPLE

SEASON : Autumn

CROP : Pepper

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest.				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	4	4				
5	Kottayam	4	3	1			
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	0	0				
	Total	40	39	1			
	% to col.3		97.5				



Table 14(ii)

## CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA      SEASON : Autumn      YEAR : 2007-08      CENTRAL SAMPLE      CROP : Paddy

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2		4	5	6	7	8
1	Thiruvananthapuram	4	3				1
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	0	0				
	<b>Total</b>	<b>40</b>	<b>39</b>				<b>1</b>
	<b>% to col.3</b>		<b>97.5</b>				<b>2.5</b>

Table 14(iii)

**ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES**

STATE: KERALA YEAR: 2007-2008

Sl.No	District	No. of expts. Checked at harvest	HY varieties						Other Varieties						Both Hy & Others					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Total	
			No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tyvm	4	0	0	0	0	0	0	0	0	4	128.71	4	128.71	0	0	4	128.71	4	128.71
2	Kollam	4	0	0	0	0	0	0	0	0	4	190.81	4	190.81	0	0	4	190.81	4	190.81
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	4	0	0	0	0	0	0	2	103	2	102.56	4	103.03	2	103.49	2	102.56	4	103.03
5	Kottim	3	0	0	0	0	0	0	0	0	3	142.17	3	142.17	0	0	3	142.17	3	142.17
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	EkM	4	0	0	1	19.59	1	19.59	0	0	3	111.99	3	111.99	0	0	4	88.89	4	88.89
8	Thrs	4	1	34.37	0	0	1	34.37	3	57.2	0	0	3	57.16	4	51.47	0	0	4	51.47
9	Pakkd	4	1	572.88	2	280.16	3	377.73	1	205	0	0	1	205.13	2	389	2	280.16	4	334.58
10	Mlp	4	0	0	0	0	0	0	1	237	3	169.77	4	169.77	1	236.54	3	169.77	4	186.46
11	Kozhi	4	0	0	0	0	0	0	0	0	4	143.87	4	143.87	0	0	4	143.87	4	143.87
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	0	0	1	276.83	1	276.83	0	0	3	124.8	3	124.8	0	0	4	162.81	4	162.81
14	Ksrgd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	State	39	2	303.63	4	214.18	6	244	7	117	26	142.5	33	137.12	9	158.6	30	152.05	39	153.56

Table 14(iv)

# ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

STATE:KERALA      YEAR:2007-2008      SEASON:ANNUAL PEPPER      CENTRAL SAMPLE

Sl.No	District	No. of expts. Checked at harvest				HY varieties				Other Varieties				Both Hy & Others							
		Irrigated		Un irrigated		Irrigated		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Total	
		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
1	Tyvm	3	0	0	0	0	0	0	1	454	2	154.31	3	254.04	1	453.5	2	154.31	3	254.04	
2	Kollam	4	0	0	0	0	0	0	0	0	4	87.64	4	87.64	0	0	4	87.64	4	87.64	
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	Alpy	4	0	0	0	0	0	0	0	0	4	115.32	4	115.32	0	0	4	115.32	4	115.32	
5	Kottrm	4	0	0	0	0	0	0	0	0	4	130.01	4	130.01	0	0	4	130.01	4	130.01	
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	Ekrm	4	0	0	0	0	0	0	1	54.3	3	54.21	4	54.24	1	54.33	3	54.21	4	54.24	
8	Thrs	4	1	83.53	0	0	1	83.53	0	0	3	76.75	3	76.75	1	83.53	3	76.75	4	78.45	
9	Pakkd	4	0	0	1	282.37	1	282.37	0	0	3	154.12	3	154.12	0	0	4	186.19	4	186.19	
10	Mlp	4	0	0	0	0	0	0	1	14.8	3	55.87	4	45.6	1	14.78	3	55.87	4	45.6	
11	Kozhi	4	1	168.54	0	0	1	168.54	0	0	3	142.91	3	142.91	1	168.54	3	142.91	4	149.32	
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kannur	4	0	0	2	111.71	2	111.71	0	0	2	176.48	2	176.48	0	0	4	144.1	4	144.1	
14	Ksrgd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	State	39	2	126.03	3	168.6	5	151.57	3	174	31	111.13	34	116.7	5	154.94	34	116.2	39	121.17	

Table 14(v)

**CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO IMPUTS**

**STATE : KERALA      YEAR : 2007 - 08      SEASON : ANNUAL CROP:PEPPER      STATE SAMPLE**

Sl.No.	District	Experiments Checked at harvest Stage			Experiments Treated with Fertilizers Only			Experiments With Fertilizers						Experiments not Treated with Fertilizers				
		Rate of application			No. of Experiments			Rate of application						Yield Rate(KG/Ha)	Yield			
		No.	Yield Rate(KG/Ha)	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	Yield Rate(KG/Ha)	N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N			P	K	No.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
1	Thiruvananthapuram	4	128.713	0	0	0	0	0	0	0	0	0	0	0	0	0	0	128.713
2	Kollam	4	190.806	1	321.552	1	1	1	1	321.552	21	21	21	3	147.224			
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	Alappuzha	4	103.026	1	113.837	1	1	0	1	113.837	0	0	0	0	0	0	0	99.422
5	Kottayam	3	142.173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	142.173
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Emakulam	4	88.889	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88.889
8	Thrissur	4	51.467	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51.467
9	Palakkad	4	334.58	1	388.08	1	1	1	1	388.08	66	20	50	4	316.747			
10	Malappuram	4	186.463	0	0	0	0	0	0	0	0	0	0	0	0	0	0	186.463
11	Kozhikode	4	143.867	0	0	0	0	0	0	0	0	0	0	0	0	0	0	143.867
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	162.809	0	0	0	0	0	0	0	0	0	0	0	0	0	0	162.809
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>State</b>	<b>39</b>	<b>153.56</b>	<b>3</b>	<b>274.49</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>274.49</b>	<b>29</b>	<b>13.67</b>	<b>35.5</b>	<b>36</b>	<b>143.49</b>			

Table 14(vi)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA      YEAR : 2007 - 08      SEASON : ANNUAL CROP: PEPPER      STATE SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate(KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	0	0	4	128.713	0	0	2	100.346	0	0
2	Kollam	2	179.256	2	179.256	2	202.356	0	0	1	83.16	3	226.688
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	2	103.488	2	103.488	2	102.564	0	0	1	0	3	106.938
5	Kottayam	0	0	0	0	3	142.173	0	0	3	142.173	0	0
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	0	0	0	0	4	88.889	0	0	4	88.889	0	0
8	Thrissur	1	77.616	1	77.616	3	42.75	0	0	3	42.75	1	77.616
9	Palakkad	3	316.747	3	316.747	2	194.04	0	0	0	0	5	267.664
10	Malappuram	0	0	0	0	4	186.463	0	0	4	186.463	0	0
11	Kozhikode	1	559.574	1	559.574	3	5.298	0	0	3	5.298	1	559.574
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	156.341	2	156.341	2	169.277	0	0	2	169.277	2	156.341
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0
	State	11	224.15	11	224.15	29	121.5	0	0	23	99.76	15	219.27

Table 14(vii)

# CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA      YEAR : 2007 - 08      SEASON : ANNUAL PEPPER      CENTRAL SAMPLE

Sl. No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No. of Experiments			Rate of application			No.	Yield Rate (KG/Ha)		
						N	P	K	Exclusive Total	Yield Rate (KG/Ha)	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	3	254.038	0	0	0	0	0	0	0	0	0	0	3	254.038
2	Kollam	4	87.641	0	0	0	0	0	0	0	0	0	0	4	7
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	115.315	0	0	0	0	0	0	0	0	0	0	4	115.315
5	Kottayam	4	130.007	0	0	0	0	0	0	0	0	0	0	4	130.007
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	54.239	0	0	0	0	0	0	0	0	0	0	4	54.239
8	Thrissur	4	78.448	0	0	0	0	0	0	0	0	0	0	4	78.448
9	Palakkad	4	186.186	0	0	0	0	0	0	0	0	0	0	4	186.186
10	Malappuram	4	45.599	0	0	0	0	0	0	0	0	0	0	4	45.599
11	Kozhikode	4	149.318	0	0	0	0	0	0	0	0	0	0	4	149.318
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	144.098	0	0	0	0	0	0	0	0	0	0	4	144.098
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>39</b>	<b>121.17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>39</b>	<b>121.17</b>

Table 14(viii)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO IMPUTS

Sl.No.	District	STATE : KERALA		YEAR : 2007 - 08		SEASON : ANNUAL PEPPER		CENTRAL SAMPLE					
		Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure					
		No.	Yield Rate(KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)				
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	2	279.418	2	279.418	1	203.28	0	0	1	203.28	2	279.418
2	Kollam	0	0	0	0	4	87.641	0	0	4	87.641	0	0
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	115.315	4	115.315	0	0	0	0	0	0	4	115.315
5	Kottayam	4	130.007	4	130.007	0	0	0	0	0	0	4	130.007
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	1	54.331	1	54.331	3	54.208	0	0	3	54.208	1	54.331
8	Thrissur	3	79.094	3	79.094	1	76.507	0	0	1	76.507	3	79.094
9	Palakkad	2	253.915	2	253.915	2	118.457	0	0	2	118.457	2	253.915
10	Malappuram	3	48.972	3	48.972	1	35.482	0	0	1	35.482	3	48.972
11	Kozhikbde	1	168.538	1	168.538	3	142.912	0	0	3	142.912	1	168.538
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	176.484	2	176.484	2	111.712	0	0	2	111.712	2	176.484
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>22</b>	<b>136.73</b>	<b>22</b>	<b>136.73</b>	<b>17</b>	<b>101.03</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>101.03</b>	<b>22</b>	<b>136.73</b>

Table 15(i)

## CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2007-08

STATE SAMPLE

SEASON : Annual

CROP : Arecanut

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Emakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	0	0				
Total		40	40				
% to col.3			100				



Table 15(ii)

## CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

CENTRAL SAMPLE

YEAR : 2007-08

STATE : KERALA

CROP : Arecanut

SEASON : Annual

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2		4	5	6	7	8
1	Thiruvananthapuram	4	3				1
2	Kollam	4	4				
3	Pathanamthitta		0				
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki		0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad		0				
13	Kannur	4	4				
14	Kasargod		0				
Total		40	39				1
% to col.3			97.5				2.5

Table 15(III)

**ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES**

STATE:KERALA YEAR:2007-2008

CROP: ARECANUT

STATE SAMPLE

Sl.No	District	HY varieties				Other Varieties				Both Hy & Others										
		Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated								
No. of expts. Checked at harvest		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	4	0	0	0	0	0	0	0	0	4	557.67	4	557.67	0	0	4	557.67	4	557.67
2	Kollam	4	0	0	0	0	0	0	0	0	4	1608.04	4	1608.04	0	0	4	1608.04	4	1608.04
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	4	0	0	0	0	0	0	0	0	4	935.45	4	935.45	0	0	4	935.45	4	935.45
5	Kottm	4	0	0	0	0	0	0	0	0	4	706.96	4	706.96	0	0	4	706.96	4	706.96
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekrm	4	1	300.16	0	0	1	300.16	1	1030	2	1978.29	3	1662.25	2	665.16	2	1978.29	4	1321.73
8	Thrs	4	0	0	0	0	0	0	2	520	2	824.85	4	672.37	2	519.88	2	824.85	4	672.37
9	Pakkd	4	1	853.63	1	307.03	2	580.33	2	1033	0	0	2	1032.73	3	973.03	1	307.03	4	806.53
10	Mlp	4	0	0	1	2275.86	1	2275.86	1	856	2	1312.46	3	1160.42	1	856.36	3	1633.59	4	1439.28
11	Kozhi	4	0	0	0	0	0	0	0	0	4	2428.49	4	2428.49	0	0	4	2428.49	4	2428.49
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	1	844.2	2	815.4	3	825	0	0	1	305.9	1	305.9	1	844.2	3	645.56	4	695.22
14	Ksrgd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>State</b>		<b>40</b>	<b>3</b>	<b>666</b>	<b>4</b>	<b>1053.42</b>	<b>7</b>	<b>887.38</b>	<b>6</b>	<b>832</b>	<b>27</b>	<b>1240.13</b>	<b>33</b>	<b>1165.92</b>	<b>9</b>	<b>776.64</b>	<b>31</b>	<b>1216.04</b>	<b>40</b>	<b>1117.17</b>

# ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	District	STATE:KERALA		YEAR:2007-2008		SEASON:ARECANUT		CENTRAL SAMPLE													
		HY varieties		Other Varieties		Both Hy & Others															
		Irrigated	Un irrigated	Total	Irrigated	Un irrigated	Irrigated	Un irrigated	Total												
No. of expts. Checked at harvest	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
1	Tyvm	3	0	0	0	0	0	0	0	0	3	1057.69	3	1057.69	0	0	0	3	1057.69	3	1057.69
2	Kollam	4	0	0	0	0	0	0	0	0	4	1233.74	4	1233.74	0	0	4	1233.74	4	1233.74	
3	Path.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	Alpy	4	0	0	0	0	0	0	0	0	4	1278.98	4	1278.98	0	0	4	1278.98	4	1278.98	
5	Kottm	4	0	0	1	1314.71	1	1314.71	0	0	3	2845.01	3	2845.01	0	0	4	2462.43	4	2462.43	
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	EkM	4	0	0	0	0	0	0	0	0	4	1122.61	4	1122.61	0	0	4	1122.61	4	1122.61	
8	Thrs	4	0	0	0	0	0	0	4	989	0	0	0	0	4	989.34	0	0	4	989.34	
9	Pakkd	4	3	2561.66	0	0	3	2561.66	1	3289	0	0	1	3288.91	4	2743.47	0	0	4	2743.47	
10	Mlp	4	0	0	0	0	0	0	1	6090	3	1569.21	4	2699.38	1	6089.9	3	1569.21	4	2699.38	
11	Kozhi	4	0	0	0	0	0	0	0	0	4	2041.62	4	2041.62	0	0	4	2041.62	4	2041.62	
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kannur	4	0	0	0	0	0	0	0	0	4	1455.99	4	1455.99	0	0	4	1455.99	4	1455.99	
14	Ksrgd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	State	39	3	2561.66	1	1314.71	4	2249.92	6	2223	29	1549.91	35	1665.25	9	2335.68	30	1542.07	39	1725.21	

Table 15(v)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO IMPUTS

STATE : KERALA      YEAR : 2007 - 08      SEASON : ANNUAL      CROP:ARECANUT      STATE SAMPLE

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		No. of Experiments			Rate of application			No.	Yield Rate(KG/Ha)		
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	N	P	K	Yield Rate(KG/Ha)	N	P			K	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	557.671	0	0	0	0	0	0	0	0	0	0	4	557.671
2	Kollam	4	1608.04	0	0	0	0	0	0	0	0	0	0	4	1608.038
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	935.452	0	0	0	0	0	0	0	0	0	0	4	935.452
5	Kottayam	4	706.963	0	0	0	0	0	0	0	0	0	0	4	706.963
6.	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	1321.73	1	2001.92	1	0	0	1	2001.919	49.4	0	0	3	1094.996
8	Thrissur	4	672.366	0	0	0	0	0	0	0	0	0	0	4	672.366
9	Patakad	4	806.527	0	0	0	0	0	0	0	0	0	0	4	806.527
10	Malappuram	4	1439.28	0	0	0	0	0	0	0	0	0	0	4	1439.282
11	Kozhikode	4	2428.49	0	0	0	0	0	0	0	0	0	0	4	2428.488
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	695.222	0	0	0	0	0	0	0	0	0	0	4	695.222
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	State	40	1117.17	1	2001.92	1	0	0	1	2001.92	49.4	0	0	39	1094.49

Table 15(vi)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2007 - 08 SEASON : ANNUAL CROP:ARECANUT STATE SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate(KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	0	0	4	557.671	0	0	2	547.884	0	0
2	Kollam	3	1756.102	3	1756.102	1	1163.845	0	0	1	1163.845	3	1756.1
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	1	880.425	1	880.425	3	953.794	0	0	3	542.929	1	880.425
5	Kottayam	0	0	0	0	4	706.963	0	0	4	706.963	0	0
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	0	0	0	0	4	1321.727	0	0	3	1094.996	1	2001.92
8	Thrissur	2	519.883	2	519.883	2	824.849	0	0	2	824.849	2	519.883
9	Palakkad	1	786.174	1	786.174	4	609.983	0	0	3	813.311	2	393.087
10	Malappuram	4	1439.282	4	1439.282	0	0	0	0	0	0	4	1439.28
11	Kozhikode	2	2276.374	2	2276.374	2	2580.602	0	0	2	2580.602	2	2276.37
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	844.198	1	844.198	3	645.563	0	0	3	645.563	1	844.198
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0
	State	14	1366.34	14	1366.34	27	946.6	0	0	23	921.25	16	1320.67

Table 15(vii)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA      YEAR : 2007 - 08      SEASON : ANNUAL (ARECANUT)      CENTRAL SAMPLE

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No. of Experiments			Rate of application			No.	Yield Rate(KG/Ha)		
						N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	3	1057.688	0	0	0	0	0	0	0	0	0	0	3	1057.688
2	Kollam	4	1233.741	0	0	0	0	0	0	0	0	0	0	4	1233.741
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	1278.982	0	0	0	0	0	0	0	0	0	0	4	1278.982
5	Kottayam	4	2462.432	0	0	0	0	0	0	0	0	0	0	4	2462.432
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	1122.611	0	0	0	0	0	0	0	0	0	0	4	1122.611
8	Thrissur	4	989.339	0	0	2	2	2	3	1048.571	54.5	54.5	148	1	811.642
9	Palakkad	4	2743.47	0	0	0	0	0	0	0	0	0	0	4	2743.47
10	Malappuram	4	2699.38	0	0	1	1	0	1	6089.895	73	73	0	3	1569.209
11	Kozhikode	4	2041.623	0	0	0	0	0	0	0	0	0	0	4	2041.623
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	1455.993	0	0	2	2	0	2	1223.59	25	25	0	2	1309.997
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>39</b>	<b>1725.21</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>2</b>	<b>6</b>	<b>1947.13</b>	<b>50.83</b>	<b>50.83</b>	<b>148</b>	<b>33</b>	<b>1661.93</b>

Table 15(viii)

## CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA

YEAR : 2007 - 08

SEASON : ANNUAL(ARECANUT)

CENTRAL SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	0	0	3	1057.688	0	0	3	268.89	0	0
2	Kollam	0	0	0	0	4	1233.741	0	0	4	1233.741	0	0
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	4	1278.982	0	0	4	261.798	0	0
5	Kottayam	3	3054.037	3	3054.037	1	687.616	0	0	1	687.616	3	3054.037
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	0	0	0	0	4	1122.611	0	0	4	1122.611	0	0
8	Thrissur	1	811.642	4	989.339	0	0	3	1048.571	0	0	4	989.339
9	Palakkad	4	2743.47	4	2743.47	0	0	0	0	0	0	4	2743.47
10	Malappuram	2	1912.837	3	3305.19	1	881.953	1	6089.895	1	881.953	3	3305.19
11	Kozhikode	3	2314.262	3	2314.262	1	1223.709	0	0	1	1223.709	3	2314.262
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	1156.055	3	1453.345	1	1463.938	1	1223.59	1	1463.938	3	1201.078
14	Kasaragod	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>14</b>	<b>2348.01</b>	<b>20</b>	<b>2265.59</b>	<b>19</b>	<b>1156.4</b>	<b>5</b>	<b>2091.84</b>	<b>19</b>	<b>817.71</b>	<b>20</b>	<b>2227.75</b>

Table 16(i)

## State Wise Position of Supply and Use of Equipments

State : Kerala

Year : 2007-08

Crop	AGENCY	Item of equipment	No of equipments supervised (harvest & post harvest) for which equipments was											Total of columns 8, 13 & 14		
			Supplied					Not supplied				Information about supply not available				
			And used	But used locally procured one		But not used through required	But not required to be used	Total	Used locally procured one		And also not used through required		As not required		Total	
	Standard	Non standard				Standard	Non standard				Standard	Non standard				
Paddy (Autumn)	C	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
		Tape	98	2					100							100
	S	Balance	65	33					98	2				2		100
		Weight	68	29			1		98	2				2		100
		Pegs	14	14	2				30	69	1			70		100
		Tape	95						95							95
		Balance	86				1		87	8				8		95
		Weight	86				1		87	8				8		95
		Pegs	73	6					79	16				16		95
		Tape	94	1					95							95
Paddy (Winter)	C	Balance	64	28	2			94	1				1		95	
		Weight	69	23	2			94	1				1		95	
	S	Pegs	15	20				1	36	56	3			59		95
		Tape	94	1			3		98	1				1		99
		Balance	92	2			1		95	4				4		99
		Weight	90				1		91	8				8		99
		Pegs	81	5			1		87	12				12		99
		Tape	97	1					98							98
		Balance	70	26	2				98							98
		Weight	78	18	2				98							98
Paddy (Summer)	C	Pegs	15	14	1			30	68				68		98	
		Tape	97						97	2			2		99	
	S	Balance	92	7					99							99
		Weight	92	7					99							99
		Pegs	83	4					87	12				12		99



Table 16(ii)

## State Wise Position of Supply and Use of Equipments

Year : 2007-08

Crop	State : Kerala	AGENCY	Item of equipment	No of experiments supervised (harvest & post harvest) for which equipments was										Information about supply not available	Total of columns 8, 13 & 14		
				Supplied					Not supplied								
				And used	But used locally procured one		But not used through required	But not required to be used	Total	Used locally procured one		And also not used through required	As not required			Total	
	Standard	Non standard				Standard	Non standard										
1			2	3	4	5	6	7	8	9	10	11	12	13	14	15	
			Tape	32	5		1	1	38	2					2		40
			Balance	24	15				39	1					1		40
			Weight	24	15				39	1					1		40
			Pegs	5	6	3	1	7	22	16				2	18		40
Tapioca			Tape	35	2		2	2	39	1				1		40	
			Balance	34	3				37	3				3		40	
			Weight	34	3				37	3					3		40
			Pegs	20	2			9	31	2				2	4	5	40
			Tape	16			2	40	58	1				1	1	1	60
Banana			Balance	38	17	2	0	1	58	1				1	1	60	
			Weight	41	14	2	0	1	58	1					1	1	60
			Pegs		2		3	34	39	3				16	19	2	60
			Tape	2				45	47					3	3	10	60
			Balance	54	6				60								60
Plantain			Weight	54	6				60							60	
			Pegs		2			39	41				6	6	13	60	
			Tape	6				31	37					2	2	1	40
			Balance	21	15			0	36	4					4		40
			Weight	21	15			0	36	4					4		40
S			Pegs	2				20	22				17	17	1	40	
			Tape					28	28				2	2	10	40	
			Balance	34	4			0	38	2					2		40
			Weight	34	4			0	38	2					2		40
			Pegs					24	24					4	4	12	40

Table 16(ii) Contd.....

State Wise Position of Supply and Use of Equipments

State : Kerala

Year : 2007-08

Crop	AGENCY	Item of equipment	No of experiments supervised (harvest & post harvest) for which equipments was													Total of columns 8,13 &14
			Supplied						Not supplied						Information about supply not available	
			And used	But used locally procured one		But not used through required	But not required to be used	Total	Used locally procured one		And also not used through required	As not required	Total			
	Standard	Non standard				Standard	Non standard									
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	
		Tape	7			1	31	39							39	
	C	Balance	22	11	1			34	5				5		39	
		Weight	25	8	1			34	5				5		39	
Pepper		Pegs		4		1	23	28	1			10	11		39	
		Tape					30	30				3	3	6	39	
	S	Balance	36	2				38	1				1		39	
		Weight	36	2				38	1				1		39	
		Pegs	0	0			30	30				3	3	6	39	
		Tape	6	0			31	37				2	2		39	
	C	Balance	17	16			1	34	4				4	1	39	
		Weight	23	10			1	34	4				4	1	39	
Areca nut		Pegs		4			25	29				10	10		39	
		Tape					28	28							39	
	S	Balance	36					36	4			2	2	10	40	
		Weight	36					36	4				4		40	
		Pegs					28	28	4			2	2	10	40	

Table 17(i)

## Yield Rates(Kg/Ha) of Rice Under GCES and ICS 2007-08

Sl.No.	District	Autumn			Winter			Summer		
		GCES	ICS		GCES	ICS		GCES	ICS	
			State Sample	Central Sample		State Sample	Central Sample		State Sample	Central Sample
1	Thiruvananthapuram	2477	2398	2451	2535	2360	2234	2390	1933	2515
2	Kollam	2369	3134	2481	2226	2398	1976	1617	1036	1157
3	Pathanamthitta	2295	2690	2694	2381	2373	2169	2287	1873	3061
4	Alappuzha	1768	424	2032	2125	590	3276	1751	1733	2382
5	Kottayam	2591	3118	2608	2616	2285	1755	2583	2682	2693
6	Idukki	2502	2696	2372	2784	2940	2735	2638	2668	2285
7	Eranakulam	1870	2035	1578	2111	1832	1790	1844	1615	1214
8	Thrissur	1778	1548	1832	2219	1950	2392	3024	3095	2472
9	Palakkad	2300	2582	2149	2584	2782	2734	2808	2997	1825
10	Malappuram	1820	2138	1439	2130	2063	2903	3448	2053	2534
11	Kozhikode	1138	902	786	1163	622	1494	2032	2298	2241
12	Wayanad	0	0	0	2494	2661	2245	2873	1306	2675
13	Kannur	1822	1501	1618	2088	1980	1886	1562	1699	1056
14	Kasargod	2166	2319	2263	2079	2059	2390	1851	1348	1444
	State	2168	2092	1922	2370	2069	2275	2404	2096	2075

Chart -1

Trend of Yield Rates Under ICS and CES

Autumn Rice Yield Rate 2007-08

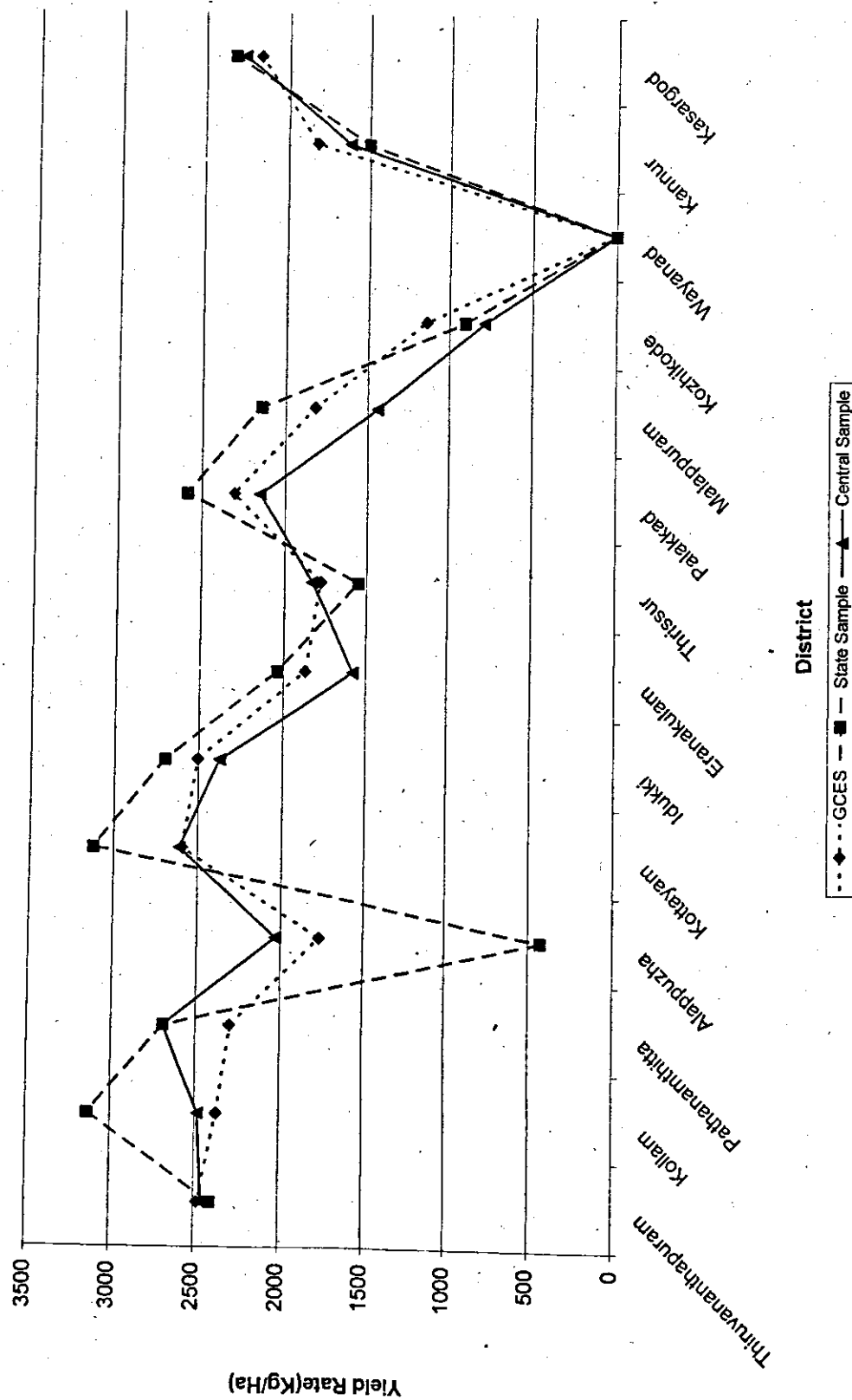


Chart-2

Trend of Yield Rates Under ICS and CES

Winter Rice Yield Rate 2007-08

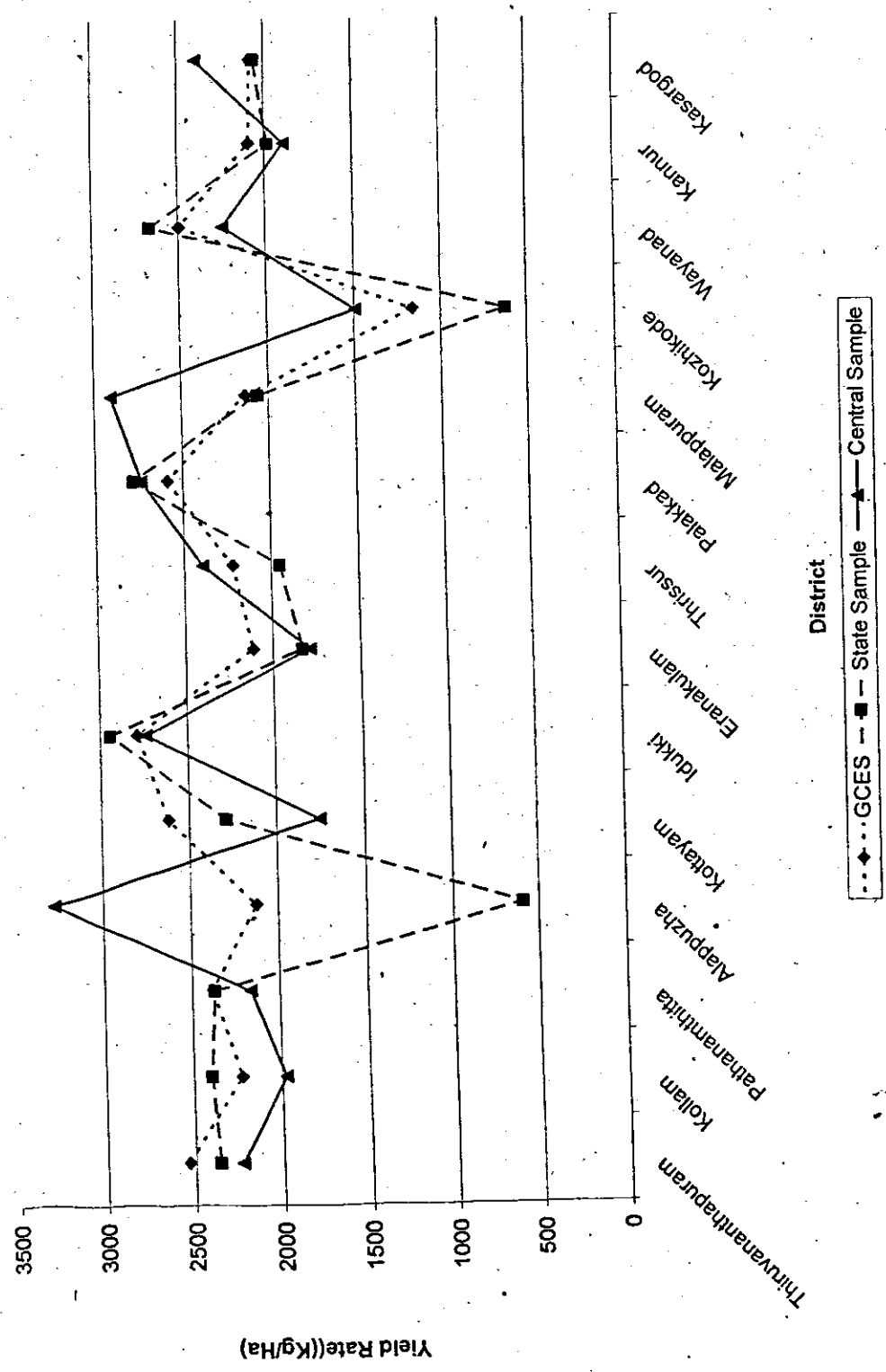


Chart-3

**Trend of Yield Rates Under ICS and CES**  
**Summer Rice Yield Rate 2007-08**

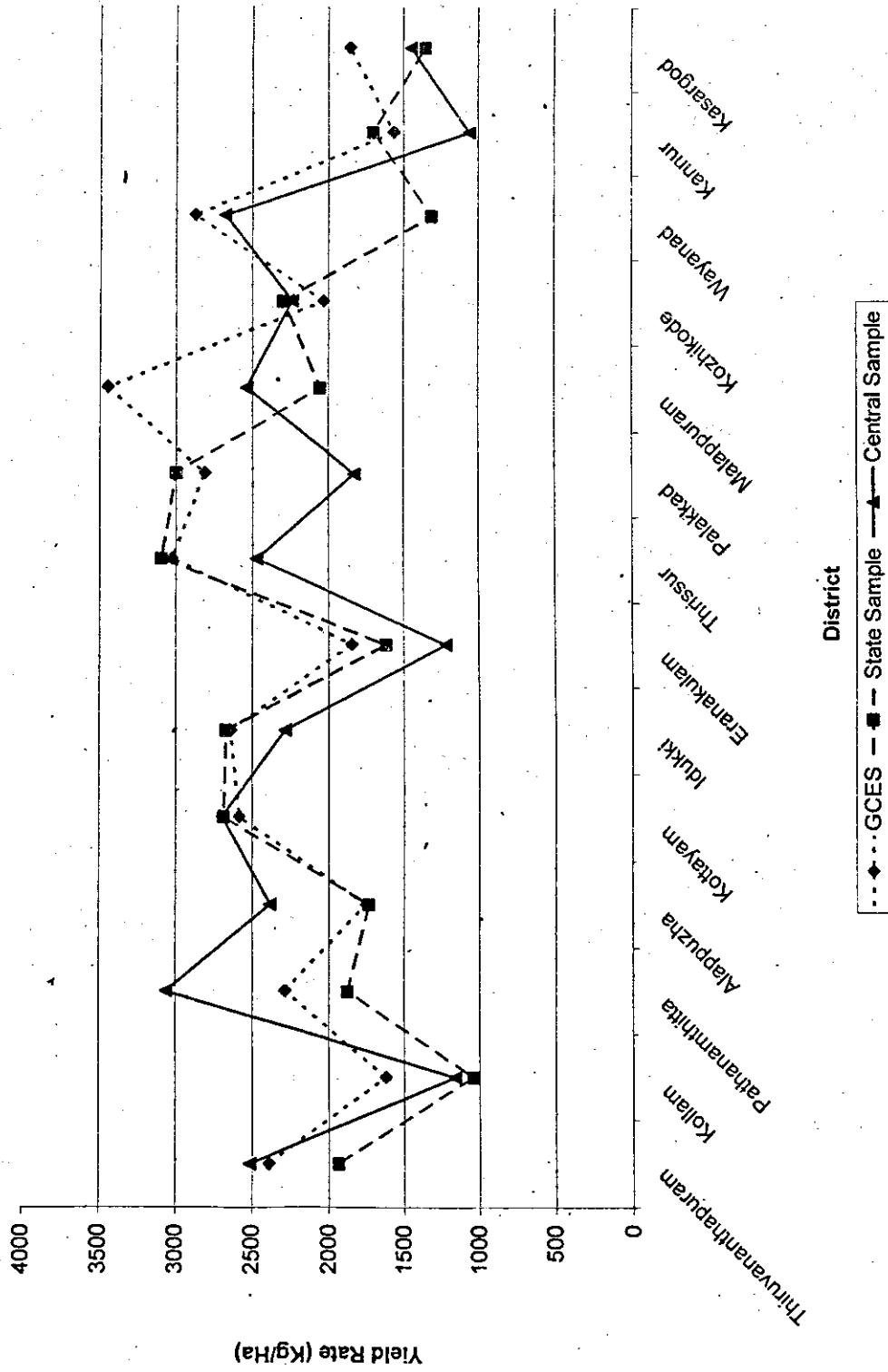


Chart-4

State Wise Yield Rate Under GCES and ICS for Rice 2007-08

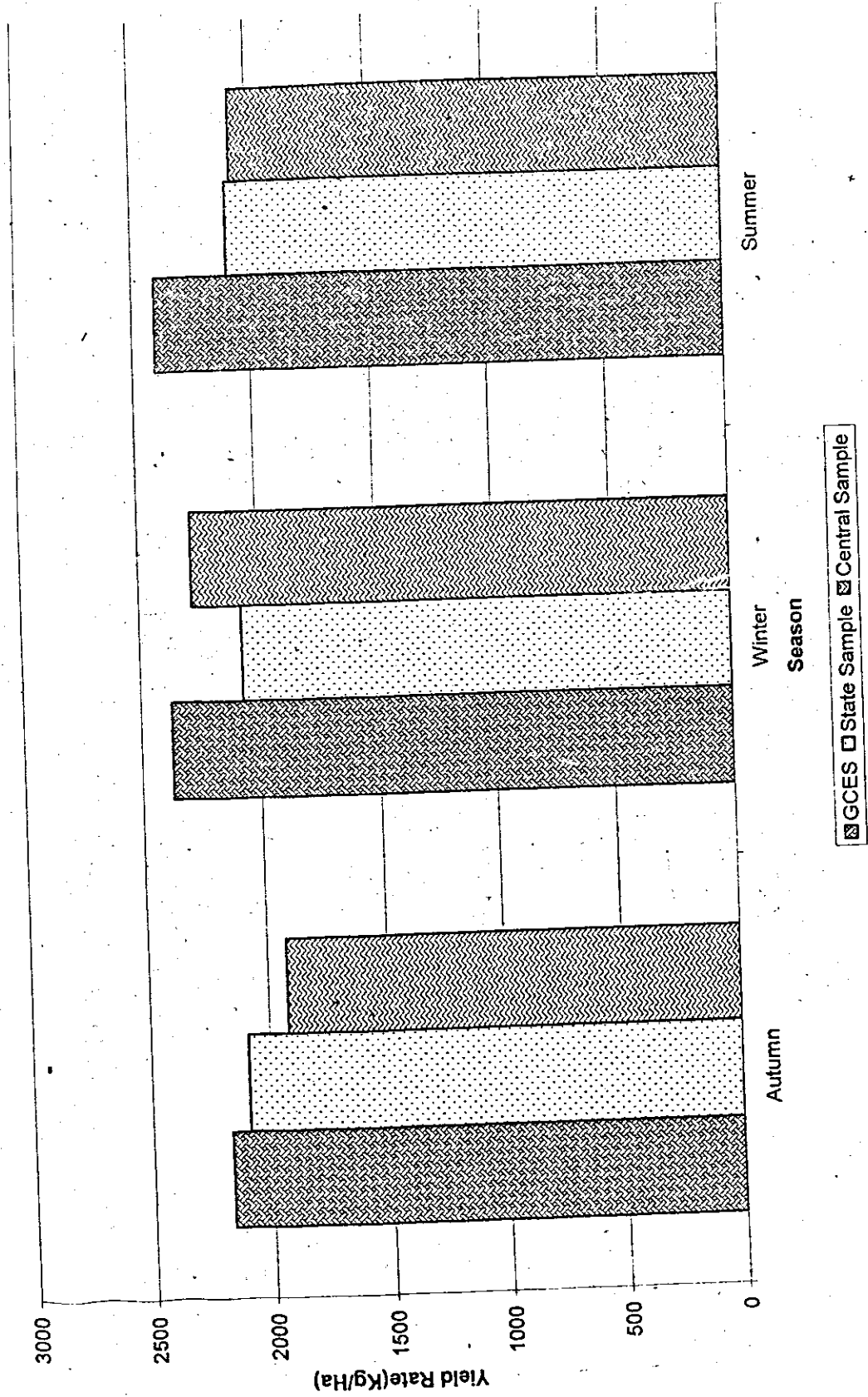


Table 17(ii)

## Yield Rate(Kg/Ha) of Important Crops Under GCES and ICS 2007-08

Sl.No.	DISTRICT	TAPIOCA			BANANA			PLANTAIN		
		GCES	STATE	CENTRAL	GCES	STATE	CENTRAL	GCES	STATE	CENTRAL
1	Thiruvananthapuram	24984	16063	21250	6333	12361	13250	8637	15567	12283
2	Kollam	30567	48594	24063	6413	11450	10433	8217	18133	25375
3	Pathanamthitta	37361			8066			9143		
4	Alappuzha	28187	28125	16875	6413	8992	15575	8412		
5	Kottayam	28248	18188	23875	9305	16075	16508	8882	14100	16200
6	Idukki	33213			7320			9141		
7	Ernakulam	34701	28063	24750	8101	12500	11607	8216	10375	15598
8	Thrissur	26988	14250	10938	6393	14056	22037	4781	9550	15917
9	Palakkad	22489	12125	15313	7199	13958	12481	8928	9473	11533
10	Malappuram	40507	32906	38500	7102	15828	11658	6523	11800	10566
11	Kozhikode	23061	16875	18750	7554	11683	14258	5162	4917	18292
12	Wayanad	31141			7459			6085		
13	Kannur	28600	26563	31063	6581	11006	14106	4509	11567	9600
14	Kasargod	21715			11247	16617	17840	5779		
	<b>State</b>	<b>30438</b>	<b>24175</b>	<b>22538</b>	<b>7411</b>	<b>13139</b>	<b>14120</b>	<b>7629</b>	<b>11612</b>	<b>14641</b>



Table 17(iii)

## Yield Rate(Kg/Ha) of Important Crops Under GCES and ICS 2007-08

SI.No.	DISTRICT	PEPPER			ARECANUT		
		GCES	STATE	CENTRAL	GCES	STATE	CENTRAL
1	Thiruvananthapuram	256	129	254	538	558	1058
2	Kollam	225	191	88	6025	1608	1234
3	Pathanamthitta	303			489		
4	Alappuzha	116	103	115	405	935	1279
5	Kottayam	163	142	130	846	707	2462
6	Idukki	357			1126		
7	Eranakulam	163	89	54	1228	1322	1123
8	Thrissur	170	51	78	663	672	989
9	Palakkad	139	335	186	693	807	2743
10	Malappuram	129	186	46	1002	1439	2699
11	Kozhikode	91	144	149	1091	2428	2042
12	Wayanad	159			379		
13	Kannur	149	163	144	942	695	1456
14	Kasargod	238			2887		
	<b>State</b>	<b>239</b>	<b>154</b>	<b>121</b>	<b>1149</b>	<b>1117</b>	<b>1725</b>

Chart-5

YIELD RATES OF TAPIOCA UNDER GCES & ICS IN 2007-08

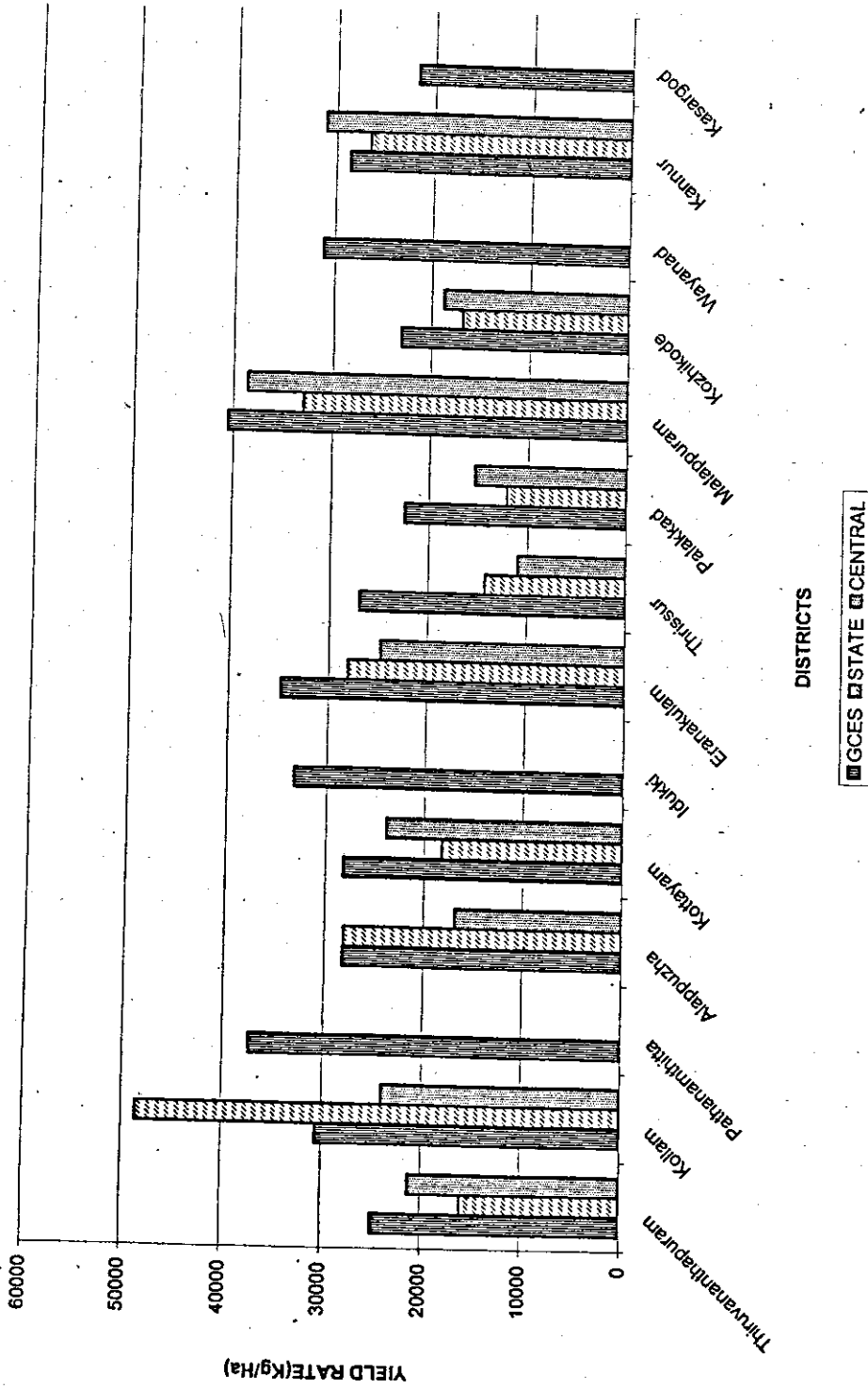


Chart-6

**YIELD RATE OF BANANA UNDER GCES & ICS IN 2007-08**

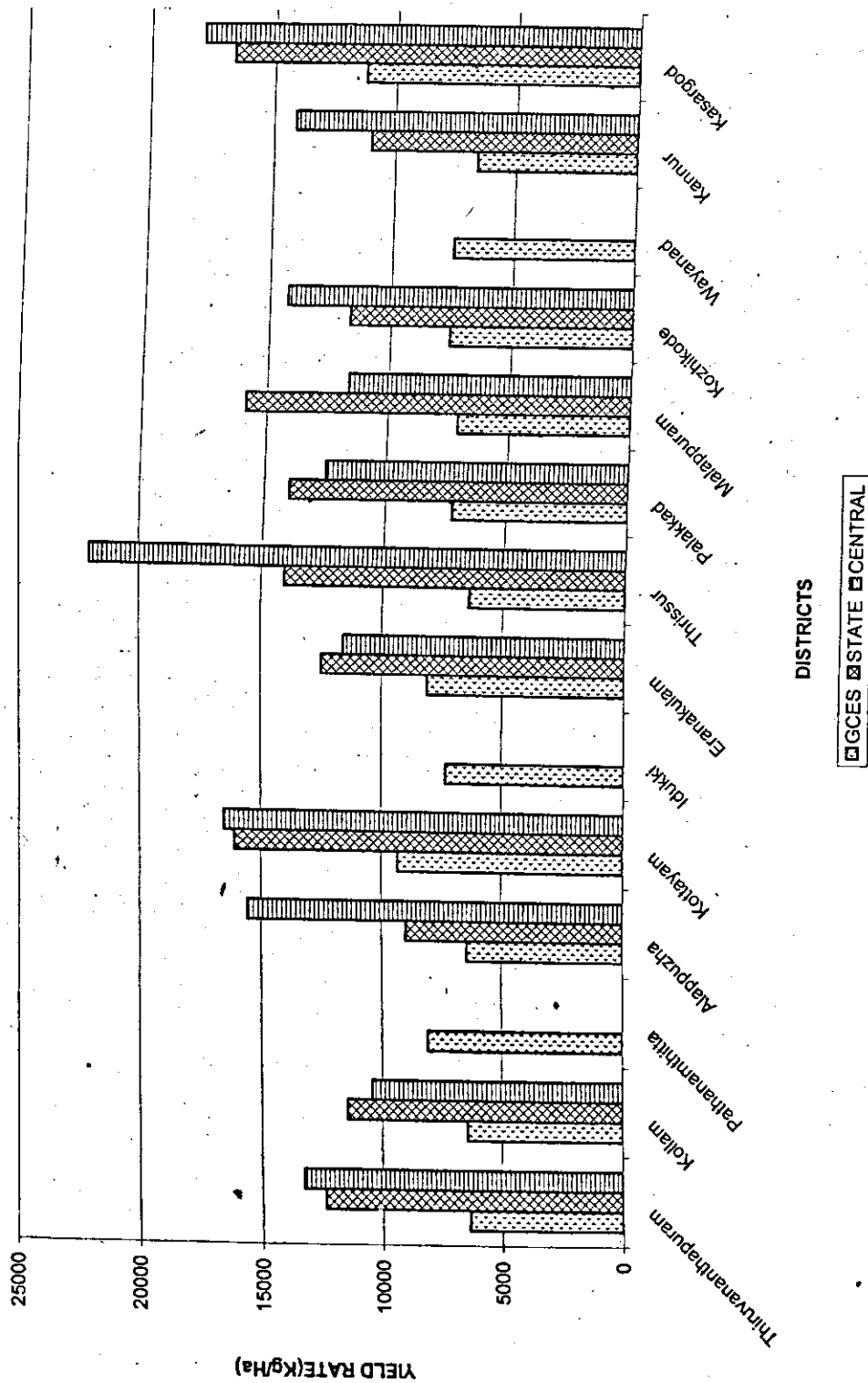


Chart-7

YIELD RATE OF PLANTAIN UNDER GCES & ICS IN 2007-08

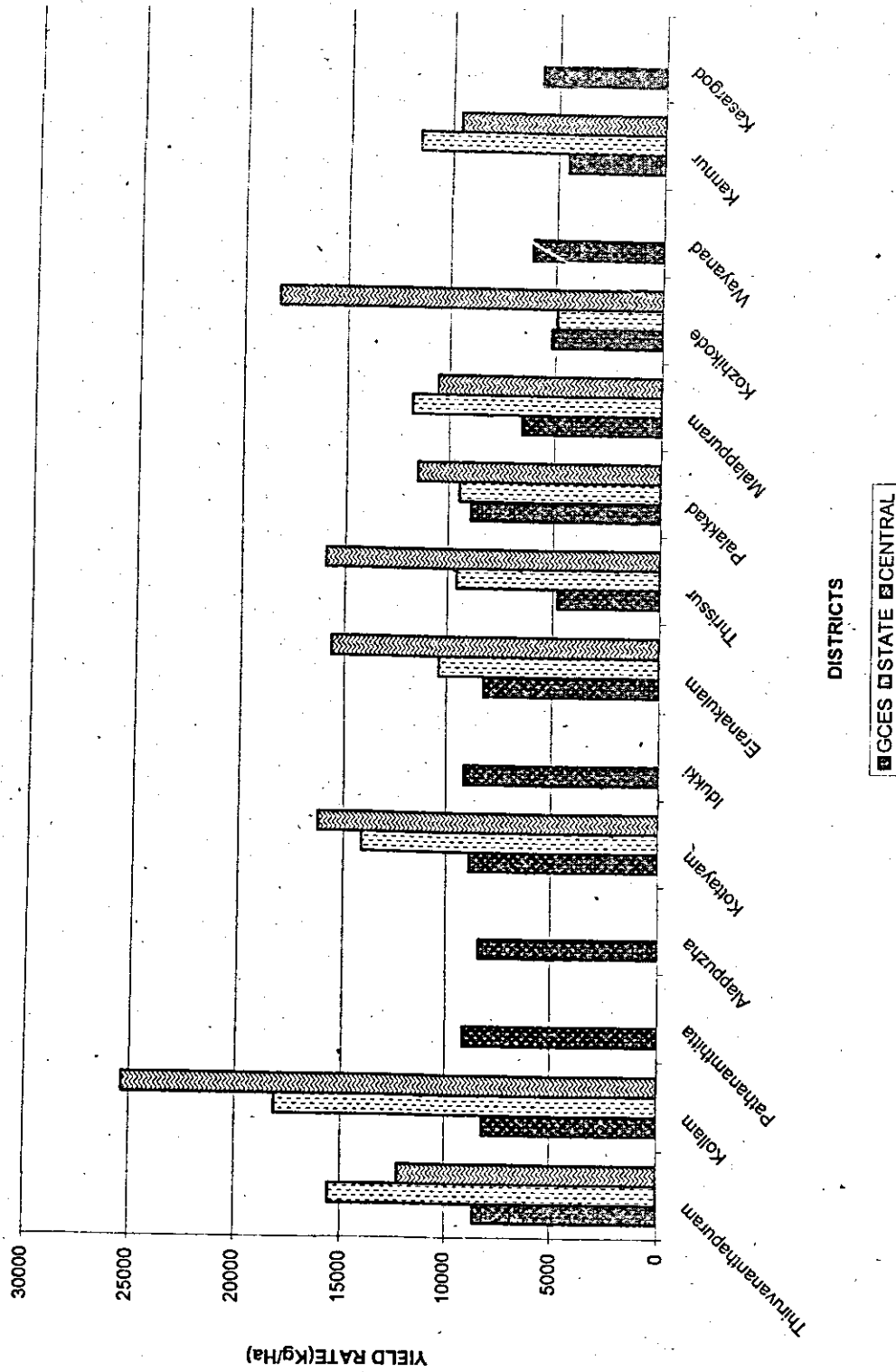
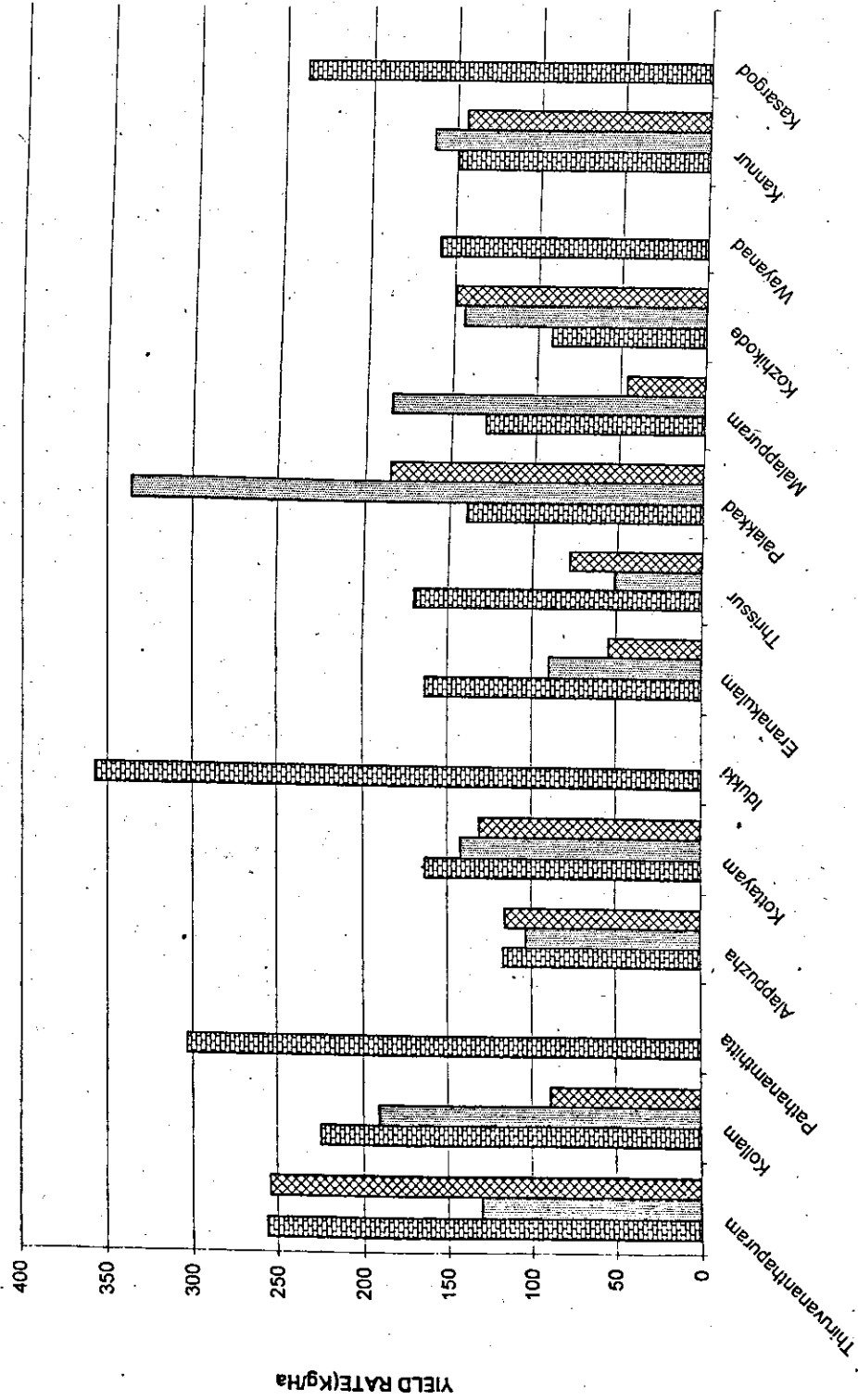


Chart-8

YIELD RATE OF PEPPER UNDER GCES & ICS IN 2007-08



DISTRICTS

GCES STATE CENTRAL

Chart-9

YIELD RATE OF ARECANUT UNDER GCES & ICS IN 2007-08

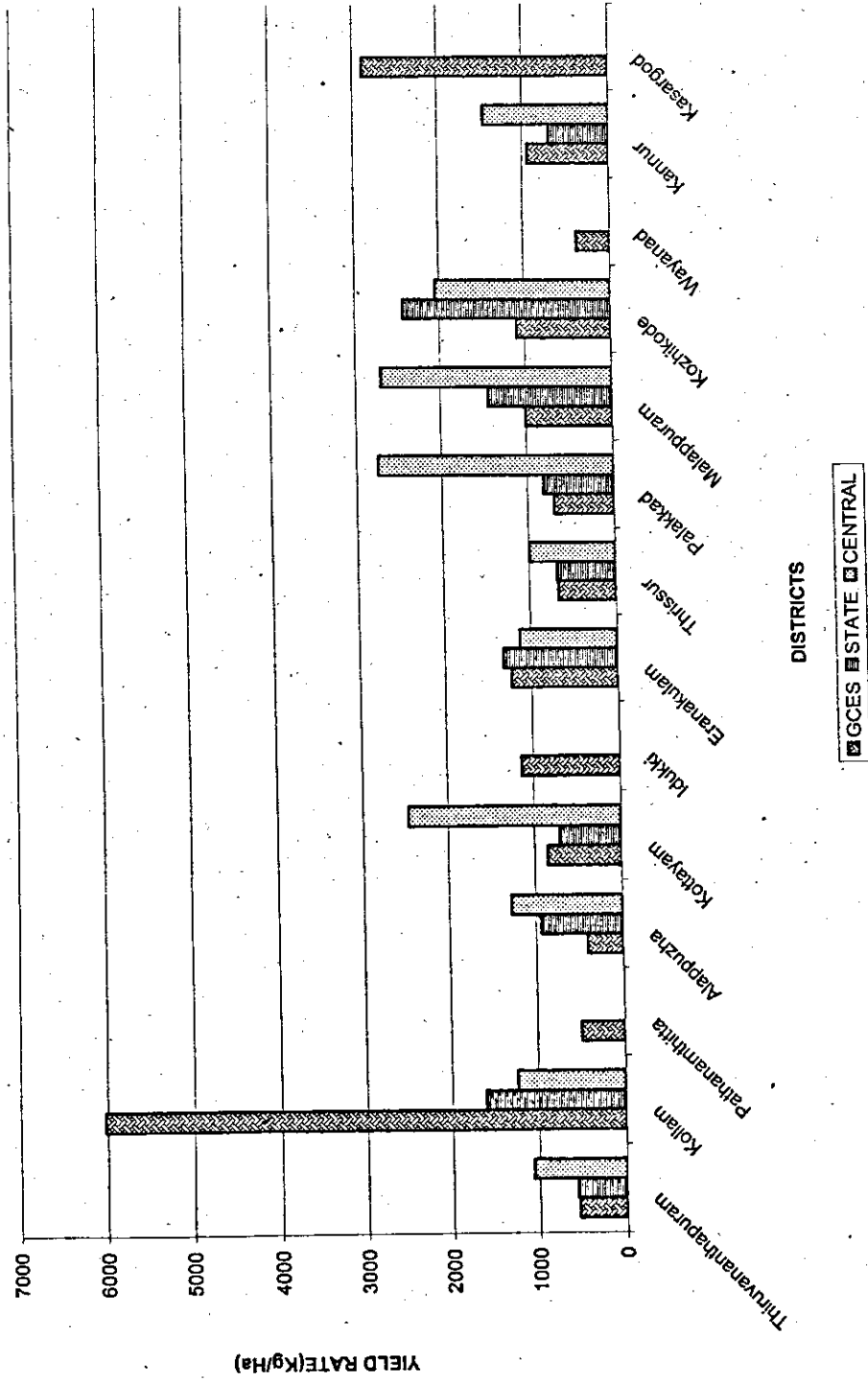
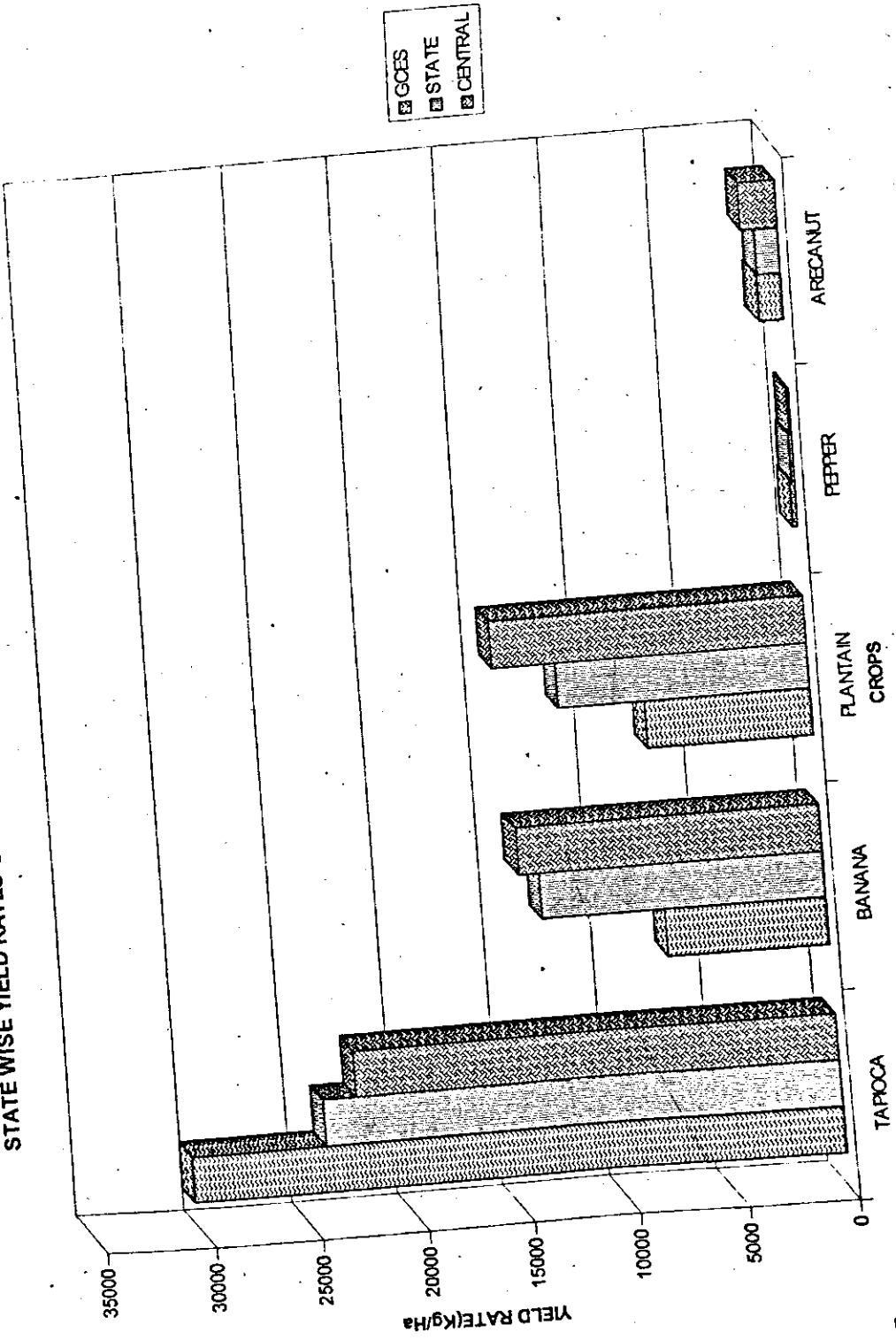


Chart-10

STATE WISE YIELD RATES OF IMPORTANT CROPS UNDER GCES & ICS IN 2007-08



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