



GOVERNMENT OF KERALA

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

**2013-14**



**DEPARTMENT OF ECONOMICS AND STATISTICS**  
**KERALA**







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## **PREFACE**

*The Ministry of Agriculture and Co- operation, Government of India is implementing the scheme on Improvement of Agriculture Statistics for the Collection of Agriculture Statistics. The components of the scheme are Timely Reporting Scheme (TRS), Establishment of an Agency for Reporting Agricultural Statistics (EARAS), Improvement of Crop Statistics (ICS) and Crop Estimation Survey on Fruits and Vegetables (CES-F&V). In Kerala, the scheme on EARAS and ICS are being implemented annually for the collection of data on Agricultural statistics.*

*The Scheme on Improvement of Crop Statistics is implemented in the State jointly by the efforts of National Sample Survey Office and the State Agricultural Statistics Authority (Department of Economics & Statistics).*

*The Annual Review report on ICS for 2013-14 is prepared by the Sample Check unit functioning in the EARAS section of the Directorate of Economics and Statistics, Government of Kerala. In this connection I express my sincere gratitude to Smt. Radhamany V.S. (Additional Director), Sri. K. Damodaran (Joint Director), Smt. Sangeetha. R (Assistant Director), Smt. K. N Prameela Devi (Research Assistant), Smt. Jayasree K. B and Smt. Sheeja. N (Statistical Assistants- Grade I) for the preparation and publication of this Report.*

*I welcome suggestions if any to the improvement of this publication from the wellwishers and data users.*

**V. RAMACHANDRAN**  
**DIRECTOR GENERAL**



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## **I. INTRODUCTION**

### **Scheme for Improvement of Crop Statistics ( ICS )**

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 agricultural statistics by locating deficiencies in the state system of collection of Agricultural statistics and suggest remedial measures through the joint efforts of the Field Operation Division of National Sample Survey Office (FOD), Government of India (GOI) and State Agricultural Statistics Authorities (SASA). The primary responsibility for the collection of data on crop statistics rests with the State Government. Crop statistics has two major components, area sown and average yield. Land use statistics is collected by Area Enumeration Survey. The yield rates of principal crops are estimated through General Crop Estimation Survey.

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 for the year 2013-14. The report also gives the position of training to staff entrusted with crop cutting work, the equipment supplied to them, the adequacy of experiments planned under General Crop Estimation Survey (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 Committees (DLC)**

District Level 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 Investigator 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 of DES (ADOs) of the State Government on matching basis in two non-overlapping samples. The basic data collected through these sample checks are exchanged between the 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) area aggregation 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 total 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 2013-14**

#### **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 completion of area enumeration survey under EARAS scheme.

### **1. Response in Sample Check on Enumeration of Area during 2013-14**

The response in sample check on area enumeration i.e., the number of IV zones for which filled in schedules were received during 2013-14 each is given in Table 1. The response for both Central & State sample was 100 % in whole seasons. (Response is 100% in all districts (all 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 with in one month 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 schedule 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 2013-14 is given in Table – 2. 96.25%, 97.50% and 95% cases for Central sample and 92.5 %, 85 % and 91% cases for State sample were completed by the girdawari intime during Autumn, Winter and Summer seasons respectively. 2.5%, 1.25% and 3.75% cases for Central sample during Autumn, Winter and Summer seasons and 7.5% , 11% & 9% cases for State sample during Autumn, Winter & Summer season reported that the area enumeration has completed after the due date. 1.25% , 1.25 % & 3.75% cases during Autumn, Winter and Summer season for the Central sample has not reported to the date of completion of area enumeration. In the case of State sample reporting of date of completion of area enumeration “not known” is Nil during the three seasons.



### **3. Submission of EARAS Statement**

The details of season wise submission of EARAS crop statements during 2013-14 are indicated in Table 3. Timely submission of these statements still needs considerable improvement; especially in Kollam, Ernakulam , Thrissur, Malappuram Kozhikode, Wayanad and Kasargod district.

### **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 of discrepancies in recording paddy area by the investigator during Autumn, Winter and Summer for the year 2013-14 are given in Table 4.

The crop actually grown in the field and it is non reported in Palakkad state sample in winter sample (E1) . Reporting of crops actually not grown in the field (E2) was reported in Palakkad and Thrissur State Sample in winter sample. The most predominant error observed was that of reporting of incorrect area. Reporting of incorrect area of crops (E3) were found high in Idukki , Ernakulam and Palakkad ,districts in Autumn season, Ernakulam, Idukki, Palakkad, Malappuram, Kozhikode, Wayanad, Kannur & Kasargod districts in Winter season, Idukki, Ernakulam, Wayanad and Malappuram districts in summer seasons.

### **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. Following discrepancies were noted in recording variety particulars of seed used for State and Central samples in Autumn seasons.

#### **1)Autumn Season Discrepancies**

Idukki (Central sample) 5.56%

Ernakulam(State sample) 7.1%

Palakkad (State sample) 5.61%

Kasargod (State sample) 9.54%

No remarkable variations found in Winter and Summer seasons

### **III. Check on Crop Cutting Experiment**

#### **1. Sample Check on Crop Cutting Experiments.**

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 2013-14. The response position of paddy was 100 % during Autumn season , 96% during winter season and 90% during summer season for Central Samples & 100 % during Autumn and winter and 98% during Summer seasons for State samples.

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

Table 7(i), 7(ii) and 7(iii) shows 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. Central personnel were able to participate in the programme at harvest stage to the extent of 100%, 96% and 90 % during Autumn, Winter and Summer seasons respectively and the State personnel's participation was 100%, 100% and 98% during Autumn, Winter and Summer for all the three seasons for Paddy 2013-14 . The extent of participation at harvest stage is cent percent for State & Central personnel for the crops Tapioca, Pepper, Coconut and Arecanut [Tables 7(iv),7(v), 7(vii) & 7(viii)] was 96% for the crop Banana (State)[Table 7(vi)] and cent percent for Central personnel during 2013-14.

### **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 numbers
- E3 – Error in reporting seed variety
- E4 – Error in reporting of seed rate.
- E5 – Error in reporting irrigation particulars
- E6 – Error in reporting application of fertilizers
- E7\_ Error in reporting application of manures
- E8 – Error in reporting application of pesticides
- E9\_ Error in reporting measurement of field
- E10\_ Error in checking random numbers
- E11\_ Error in location of plots
- E12\_ Error in plot dimensions
- E13\_ Error in weighing of produce
- E14\_ Inadequate arrangement for storing the produce for drying
- E15\_ Error in reporting proportion of experimental crops in mixture/ wrong reporting of constituents in mixture and
- E16\_ any one of the items missing

### **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 Check Survey 2013-14 is presented in Tables 16 (i) & 16(ii). The primary workers were supplied with all

essential items of equipments during 2013-14. The supplied equipments were reported to have been carried 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, Coconut, Pepper and 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 2013-14 for district level for Central and State samples are given in Table 17(i). Trend of yield rate for Rice under ICS and GCES during Autumn, Winter and Summer for the year 2013-14 are given in Chart 1, 2 and 3 respectively. State wise yield rate under GCES and ICS for paddy is given in Chart 4.

Yield rates of rice under ICS are higher as compared to GCES for State and Central samples during the three seasons.

The yield rates of important crops under GCES and ICS for the year 2013-14 is given in Table 17(ii) & 17(iii). A graphical representation of yield rates of Tapioca, Banana, Coconut, Pepper and Arecanut are given in Chart 5 to 9. A graphical representation of state-wise yield rates of important crops during the year 2013-14 is given in Chart 10.



**Table-1**  
**RESPONSE IN SAMPLE CHECK ON ENUMERATION OF AREA**  
**DURING 2013-14**

Sl.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	3	100	100	100
		S	3	100	100	100
5	Kottayam	C	6	100	100	100
		S	6	100	100	100
6	Idukki	C	9	100	100	100
		S	9	100	100	100
7	Ernakulam	C	5	100	100	60
		S	5	100	100	100
8	Thrissur	C	5	100	100	100
		S	5	100	100	100
9	Palakkad	C	10	100	100	100
		S	10	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	6	100	100	100
		S	6	100	100	100
13	Kannur	C	6	100	100	100
		S	6	100	100	100
14	Kazharagod	C	4	100	100	100
		S	4	100	100	100
For District Covered		C	80	100	100	97.5
		S	80	100	100	100

C - Central Sample

S - State Sample

Table-2

**TIMELINESS IN COMPLETION OF GIRDAWARI DURING 2013-14**

Sl. 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	13	14
1	Thiruvananthapuram	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
2	Kollam	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
3	Pathanamthitta	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
4	Alappuzha	C	100	0	0	0	100	0	0	0	67	33	0
		S	100	0	0	0	100	0	0	0	0	100	0
5	Kottayam	C	100	0	0	0	100	0	0	0	100	0	0
		S	0	100	0	0	0	100	0	0	100	0	0
6	Idukki	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
7	Ernakulam	C	80	20	0	0	100	0	0	0	67	33	0
		S	100	0	0	0	40	60	0	0	20	80	0
8	Thrissur	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
9	Palakkad	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
10	Malappuram	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
11	Kozhikkode	C	83	17	0	0	83	0	17	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
12	Wayanad	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
13	Kannur	C	83	0	17	0	100	0	0	0	83	17	0
		S	100	0	0	0	100	0	0	0	100	0	0
14	Kaziragod	C	100	0	0	0	100	0	0	0	100	0	0
		S	100	0	0	0	100	0	0	0	100	0	0
For District Covered		C	96.25	2.5	1.25	0	97.50	1.25	1.25	0	95	3.75	1.25
		S	92.5	7.5	0	0	89	11	0	0	91	9	0

**Table-3**  
**TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2013-14**

Sl. No.	District	Season	Agency	Percentage of villages for which									
				EARAS Statement Submitted					EARAS Statement not Submitted				
				Without completing Girdawari		After completing Girdawari		Information regarding date of submission not known	Though Girdawari completed	Girdawari not completed	Information regarding EARAS 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	0	0	100	0	0	0	0	0	0	
			S	0	0	100	0	0	0	0	0	0	
		Winter	C	0	0	100	0	0	0	0	0	0	0
			S	0	0	100	0	0	0	0	0	0	0
		Summer	C	0	0	100	0	0	0	0	0	0	0
			S	0	0	100	0	0	0	0	0	0	0
2	Kollam	Autumn	C	20	0	60	0	20	0	0	0	0	
			S	0	0	100	0	0	0	0	0	0	
		Winter	C	0	0	40	60	0	0	0	0	0	0
			S	0	0	100	0	0	0	0	0	0	0
		Summer	C	0	0	0	100	0	0	0	0	0	0
			S	0	0	100	0	0	0	0	0	0	0
3	Pathanamthitta	Autumn	C	0	0	100	0	0	0	0	0	0	
			S	0	0	0	100	0	0	0	0	0	
		Winter	C	0	0	0	100	0	0	0	0	0	0
			S	0	0	0	100	0	0	0	0	0	0
		Summer	C	0	0	0	100	0	0	0	0	0	0
			S	0	0	0	100	0	0	0	0	0	0
4	Alappuzha	Autumn	C	0	0	67	0	33	0	0	0	0	
			S	0	0	0	100	0	0	0	0	0	
		Winter	C	0	0	0	100	0	0	0	0	0	0
			S	0	0	0	100	0	0	0	0	0	0
		Summer	C	0	33	0	67	0	0	0	0	0	0
			S	0	100	0	0	0	0	0	0	0	0
5	Kottayam	Autumn	C	0	0	50	33	17	0	0	0	0	
			S	100	0	0	0	0	0	0	0	0	
		Winter	C	0	0	67	0	33	0	0	0	0	
			S	100	0	0	0	0	0	0	0	0	
		Summer	C	0	0	67	33	0	0	0	0	0	0
			S	0	0	100	0	0	0	0	0	0	0

Table-3 Contd.....

**TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2013-14**

Sl. No.	District	Season	Agency	Percentage of villages for which							
				EARAS Statement Submitted					EARAS Statement not Submitted		
				Without completing Girdawari		After completing Girdawari		Information regarding date of submission not known	Though Girdawari completed	Girdawari not completed	Information regarding EARAS 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	0	0	89	11	0	0	0	0
			S	0	0	100	0	0	0	0	0
		Winter	C	11	0	56	33	0	0	0	0
			S	0	0	100	0	0	0	0	0
		Summer	C	0	0	11	89	0	0	0	0
			S	0	0	100	0	0	0	0	0
7	Eranakulam	Autumn	C	20	0	60	20	0	0	0	0
			S	0	0	40	60	0	0	0	0
		Winter	C	0	0	0	100	0	0	0	0
			S	0	60	40	0	0	0	0	0
		Summer	C	20	20	0	60	0	0	0	0
			S	40	40	0	0	20	0	0	0
8	Thrissur	Autumn	C	0	0	40	60	0	0	0	0
			S	20	0	80	0	0	0	0	0
		Winter	C	0	0	0	100	0	0	0	0
			S	0	0	100	0	0	0	0	0
		Summer	C	0	0	0	100	0	0	0	0
			S	0	0	100	0	0	0	0	0
9	Palakkad	Autumn	C	0	0	70	0	30	0	0	0
			S	0	0	100	0	0	0	0	0
		Winter	C	0	0	30	60	0	0	10	0
			S	0	0	100	0	0	0	0	0
		Summer	C	0	0	0	70	20	0	10	0
			S	0	0	100	0	0	0	0	0
10	Malappuram	Autumn	C	0	0	100	0	0	0	0	0
			S	0	0	0	100	0	0	0	0
		Winter	C	0	0	14	86	0	0	0	0
			S	0	0	0	100	0	0	0	0
		Summer	C	0	0	71	29	0	0	0	0
			S	0	0	0	100	0	0	0	0

Table-3 Contd.....



**TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2013-14**

Sl. No.	District	Season	Agency	Percentage of villages for which								
				EARAS Statement Submitted					EARAS Statement not Submitted			
				Without completing Girdawari		After completing Girdawari		Information regarding date of submission not known	Though Girdawari completed	Girdawari not completed	Information regarding EARAS 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	17	0	83	0	0	0	0	0	0
			S	0	0	0	100	0	0	0	0	0
		Winter	C	0	0	0	100	0	0	0	0	0
			S	0	0	0	100	0	0	0	0	0
		Summer	C	17	0	33	50	0	0	0	0	0
			S	0	0	0	100	0	0	0	0	0
12	Wayanad	Autumn	C	0	0	0	100	0	0	0	0	
			S	0	0	0	100	0	0	0	0	
		Winter	C	0	0	0	100	0	0	0	0	
			S	0	0	0	100	0	0	0	0	
		Summer	C	0	0	33	67	0	0	0	0	
			S	0	0	17	83	0	0	0	0	
13	Kannur	Autumn	C	0	0	0	83	17	0	0	0	
			S	0	0	100	0	0	0	0	0	
		Winter	C	0	0	17	50	0	33	0	0	
			S	0	0	100	0	0	0	0	0	
		Summer	C	0	0	17	50	0	33	0	0	
			S	0	0	100	0	0	0	0	0	
14	Kazharagod	Autumn	C	0	0	0	100	0	0	0	0	
			S	0	0	100	0	0	0	0	0	
		Winter	C	0	0	0	100	0	0	0	0	
			S	0	0	100	0	0	0	0	0	
		Summer	C	0	0	0	100	0	0	0	0	
			S	0	0	100	0	0	0	0	0	
For District Covered		Autumn	C	2.5	1.25	15	72.5	2.5	6.25	0	0	
			S	8.75	0	56.25	35	0	0	0	0	
		Winter	C	1.25	0	26.25	68.75	0	2.5	1.25	0	
			S	7.5	3.75	57.5	31.25	0	0	0	0	
		Summer	C	3.75	2.5	21.25	63.75	5	3.75	0	0	
			S	2.5	6.25	1.25	63.75	26.25	0	0	0	

C - Central Sample

S - State Sample

Table-4

**PERCENTAGE OF SURVEY NUMBERS IN WHICH ERRORS IN RECORDING CROP AREAS WERE OBSERVED : 2013-14**

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	0	0	0	0	0	0	0	0	100	0	0	0
		S	100	0	0	0	0	100	0	0	0	0	0	0	0
2	Kollam	C	100	0	0	0	100	0	0	0	0	0	0	0	0
		S	100	0	0	0	0	0	0	0	0	66.66	0	0	33.34
3	Pathanamthitta	C	0	0	0	0	0	0	0	0	0	0	0	0	0
		S	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	C	100	0	0	0	100	0	0	0	90	0	0	10	
		S	100	0	0	0	100	0	0	0	100	0	0	0	
5	Kottayam	C	0	0	0	0	86	0	0	14	95	0	0	5	
		S	100	0	0	0	100	0	0	0	100	0	0	0	
6	Idukki	C	88.8	5.6	0	5.6	78.2	0	0	26.8	0	0	0	0	
		S	81.81	0	0	18.19	92.85	0	0	7.15	100	0	0	0	
7	Ernakulam	C	87.5	0	0	12.5	94	0	0	6	100	0	0	0	
		S	92.85	0	0	7.15	95.83	0	0	4.17	50	0	0	50	
8	Thrissur	C	0	0	0	0	100	0	0	0	100	0	0	0	
		S	100	0	0	0	94.11	0	1.96	3.93	0	0	0	0	
9	Palakkad	C	89.7	0	0	10.3	100	0	0	0	100	0	0	0	
		S	96.62	0	0	3.38	93.39	3.78	1.89	0.94	100	0	0	0	
10	Malappuram	C	100	0	0	0	100	0	0	0	100	0	0	0	
		S	0	0	0	0	72.72	0	0	27.28	50	0	0	50	
11	Kozhikkode	C	0	0	0	0	92.3	0	0	7.7	100	0	0	0	
		S	0	0	0	0	71.43	0	0	28.57	100	0	0	0	
12	Wayanad	C	0	0	0	0	100	0	0	0	100	0	0	0	
		S	0	0	0	0	85.41	0	0	14.59	89.47	0	0	10.53	
13	Kannur	C	100	0	0	0	96.4	0	0	3.6	100	0	0	0	
		S	100	0	0	0	77.27	0	0	22.73	0	0	0	0	
14	Kazharagod	C	100	0	0	0	100	0	0	0	100	0	0	0	
		S	92.30	3.84	0	3.86	91.66	0	0	8.34	0	0	0	0	
For District Covered		C	95.4	0.66	0	3.94	96.7	0	0	3.3	97.03	0	0	2.97	
		S	96.59	0.3	0.3	2.81	91.78	.96	.72	6.54	86.88	0	0	13.12	

C - Central Sample

S - State Sample

# - Crop not reported in the selected zones

e0 - No error

e2 - Reporting of crops actually not grown

e1 - Non-reporting of crops actually grown

e3 - Reporting incorrect area of crops

Table-5(a)

**DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY DURING 2013-14****Autumn**

SI No	District	Agency	Percentage of survey numbers in which particulars											
			Tallied				Not Tallied							
			HY & L	HY	L	Total	Supervisor				Patwari			
4	5	6	7	8	9	10	11	12	13	14	15			
1	Thiruvananthapuram	C	0	28.57	71.43	100	0	0	0	0	0	0	0	0
		S	0	100	0	100	0	0	0	0	0	0	0	0
2	Kollam.	C	0	100	0	100	0	0	0	0	0	0	0	0
		S	0	100	0	100	0	0	0	0	0	0	0	0
3	Pathanamthitta	C	0	0	0	0	0	0	0	0	0	0	0	0
		S	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	C	0	100	0	100	0	0	0	0	0	0	0	0
		S	0	100	0	100	0	0	0	0	0	0	0	0
5	Kottayam	C	0	0	0	100	0	0	0	0	0	0	0	0
		S	0	100	0	100	0	0	0	0	0	0	0	0
6	Idukki	C	0	94.44	0	94.4	5.56	0	0	5.56	0	0	5.56	5.56
		S	0	100	0	100	0	0	0	0	0	0	0	0
7	Eranakulam	C	0	100	0	100	0	0	0	0	0	0	0	0
		S	0	92.86	0	92.9	0	0	0	0	0	0	7.1	7.1
8	Thrissur	C	0	0	0	100	0	0	0	0	0	0	0	0
		S	0	100	0	100	0	0	0	0	0	0	0	0
9	Palakkad	C	0	97.44	2.56	100	0	0	0	0	0	0	0	0
		S	0	94.39	0	94.39	0	0	0	0	0	5.61	0	5.61
10	Malappuram	C	0	100	0	100	0	0	0	0	0	0	0	0
		S	0	0	0	0	0	0	0	0	0	0	0	0
11	Kozhikkode	C	0	0	0	100	0	0	0	0	0	0	0	0
		S	0	0	0.00	0	0	0	0	0	0	0	0	0
12	Wayanad	C	0	0	0	0	0	0	0	0	0	0	0	0
		S	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	C	0	89.29	10.7	100	0	0	0	0	0	0	0	0
		S	0	100	0	100	0	0	0	0	0	0	0	0
14	Kazharagod	C	0	85	15	100	0	0	0	0	0	0	0	0
		S	0	90.46	0	90.46	0	0	0	0	0	7.69	3.85	0
<b>For District Covered</b>		C	0	91.447	7.895	99.342	0.658	0	0	0.658	0	0	0.658	0.658
		S	0	96.17	0	96.17	0	0.43	0	0	0	2.98	0.4	0

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 2013-14  
WINTER SEASON**

Sl.No	District	Agency	Percentage of survey numbers in which particulars												
			Tallied				Not Tallied								
			HY&L	HY	L	Total	Supervisor				Patwari				
							HY & L	HY	L	NR	Total	HY	L	NR	Total
4	5	6	7	8	9	10	11	12	13	14	15	16			
1	Thiruvananthapuram	C	0	0	0	0	0	0	0	0	0	0	0	0	0
		S	0	100	0.00	100	0	0	0	0	0	0	0	0	0
2	Kollam	C	0	86.4	13.6	100	0	0	0	0	0	0	0	0	0
		S	0	66.7	33.3	100	0	0	0	0	0	0	0	0	0
3	Pathanamthitta	C	0	100	0	100	0	0	0	0	0	0	0	0	0
		S	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	C	0	83.3	16.7	100	0	0	0	0	0	0	0	0	0
		S	0	97.2	2.8	100	0	0	0	0	0	0	0	0	0
5	Kottayam	C	0	100	0	0	0	0	0	0	0	0	0	0	0
		S	0	100.00	0.00	100	0	0	0	0	0	0	0	0	0
6	Idukki	C	0	100	0	100	0	0	0	0	0	0	0	0	0
		S	0	42.9	57.1	100	0	0	0	0	0	0	0	0	0
7	Ernakulam	C	0	100	0	100	0	0	0	0	0	0	0	0	0
		S	0	70.8	29.2	100	0	0	0	0	0	0	0	0	0
8	Thrissur	C	0	100	0	100	0	0	0	0	0	0	0	0	0
		S	0	98	2.0	100	0	0	0	0	0	0	0	0	0
9	Palakkad	C	0	94	6	100	0	0	0	0	0	0	0	0	0
		S	0	81.13	17.92	99.05	0	0	0.94	0	0	0	0	0.94	0
10	Malappuram	C	0	69.4	30.6	100	0	0	0	0	0	0	0	0	0
		S	0	36.4	65.6	100	0	0	0	0	0	0	0	0	0
11	Kozhikkode	C	0	15.4	84.6	100	0	0	0	0	0	0	0	0	0
		S	0	14.3	85.7	100	0	0	0	0	0	0	0	0	0
12	Wayanad	C	0	94	6	100	0	0	0	0	0	0	0	0	0
		S	0	81.3	18.7	100	0	0	0	0	0	0	0	0	0
13	Kannur	C	0	50	50	100	0	0	0	0	0	0	0	0	0
		S	0	59.1	40.9	100	0	0	0	0	0	0	0	0	0
14	Kaziragod	C	0	33.3	66.7	100	0	0	0	0	0	0	0	0	0
		S	0	33.00	67.0	100	0	0	0	0	0	0	0	0	0
For District Covered		C	0	83.2	16.8	100	0	0	0	0	0	0	0	0	0
		S	0	77.3	22.22	99.52	0	0	0	0	0	0	0	0	0

C - Central Sample

S - State Sample

HY- High Yielding Variety Seed

L- Local Variety Seed

# - Crop not reported in the selected zones



Table-5(s)

**DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY DURING 2013-14****SUMMER**

Sl. No.	District	Agency	Percentage of survey numbers in which particulars											
			Tallied				Not Tallied							
			HY&L	HY	L	Total	Supervisor				Patwari			
3	4	5	6	7	8	9	10	11	12	13	14	15		
1	Thiruvananthapuram	C	0	100	0	100	0	0	0	0	0	0	0	0
		S	0	0	0	0	0	0	0	0	0	0	0	0
2	Kollam	C	0	0	0	0	0	0	00	0	0	0	0	0
		S	0	100	0	0	0	0	0	0	0	0	0	0
3	Pathanamthitta	C	0	0	0	0	0	0	0	0	0	0	0	0
		S	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	C	0	100	0	100	0	0	0	0	0	0	0	0
		S	0	100	0	100	0	0	0	0	0	0	0	0
5	Kottayam	C	0	100	0	100	0	0	0	0	0	0	0	0
		S	0	90	10	100	0	0	0	0	0	0	0	0
6	Idukki	C	0	0	0	0	0	0	0	0	0	0	0	0
		S	0	33.3	66.7	100	0	0	0	0	0	0	0	0
7	Eranakulam	C	0	100	0	100	0	0	0	0	0	0	0	0
		S	0	100	0	100	0	0	0	0	0	0	0	0
8	Thrissur	C	0	100	0	100	0	0	0	0	0	0	0	0
		S	0	0	0	0	0	0	0	0	0	0	0	0
9	Palakkad	C	0	100	0	100	0	0	0	0	0	0	0	0
		S	0	100	0	100	0	0	0	0	0	0	0	0
10	Malappuram	C	0	100	0	100	0	0	0	0	0	0	0	0
		S	0	100	0	100	0	0	0	0	0	0	0	0
11	Kozhikkode	C	0	100	0	100	0	0	0	0	0	0	0	0
		S	0	100	0	100	0	0	0	0	0	0	0	0
12	Wayanad	C	0	100	0	100	0	0	0	0	0	0	0	0
		S	0	100	0	100	0	0	0	0	0	0	0	0
13	Kannur	C	0	100	0	100	0	0	0	0	0	0	0	0
		S	0	0	0	0	0	0	0	0	0	0	0	0
14	Kazaragod	C	0	100	0	100	0	0	0	0	0	0	0	0
		S	0	0	0	0	0	0	0	0	0	0	0	0
<b>For District Covered</b>		C	0	100	0	100	0	0	0	0	0	0	0	0
		S	0	89.25	14.75	100	0	0	0	0	0	0	0	0

**Table-6**  
**RESPONSE IN SAMPLE CHECK ON CROP CUTTING EXPERIMENTS FOR PADDY DURING**  
**2013-14**

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	87.5	24	95.83
		S	8	100	8	100	8	100	24	100
2	Kollam	C	6	100	6	100	6	66.66	18	89
		S	6	100	6	100	2	100	14	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	66.67	18	89
		S	6	100	6	100	10	100	22	100
5	Kottayam	C	8	100	8	87.5	8	100	24	96
		S	8	100	8	100	8	100	24	100
6	Idukki	C	4	100	4	100	4	50	12	83.33
		S	4	100	4	100	4	100	12	100
7	Eranakulam	C	8	100	8	75	8	87.5	24	88
		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	90	10	100	30	97
		S	10	100	10	100	10	100	30	100
10	Malappuram	C	10	100	10	100	10	100	30	100
		S	10	100	10	100	10	100	30	100
11	Kozhikkode	C	12	100	8	100	8	75	28	97
		S	12	100	8	100	8	100	28	100
12	Wayanad	C	0	0	4	100	4	100	8	100
		S	0	0	4	100	4	100	8	100
13	Kannur	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	8	75	24	92
14	Kazargod	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	97	100	90	300	96
		S	100	100	100	100	100	98	300	99

**Table-7(i)**  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO**  
**IMPORTANT INPUTS DURING 2013-14**

**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	87.5	87.5
		S		8	100	100	100
		C	T	8	100	87.5	87.5
		S		8	100	100	100
2	Kollam	C	H	6	0	100	100
		S		6	0	100	100
		C	T	6	0	100	100
		S		6	0	100	100
3	Pathanamthitta	C	H	4	100	100	100
		S		4	0	100	100
		C	T	4	100	100	100
		S		4	0	100	100
4	Alappuzha	C	H	6	100	100	100
		S		6	66	100	100
		C	T	6	100	100	100
		S		6	66	100	100
5	Kottayam	C	H	8	25	87.5	100
		S		8	100	100	100
		C	T	8	25	87.5	100
		S		8	100	100	100
6	Idukki	C	H	4	100	25	100
		S		4	100	100	100
		C	T	4	100	25	100
		S		4	100	100	100
7	Eranakulam	C	H	8	50	75	62.5
		S		8	0	100	100
		C	T	8	50	75	62.5
		S		8	0	100	100
8	Thrissur	C	H	10	10	100	90
		S		10	0	100	100
		C	T	10	10	100	90
		S		10	0	100	100

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO  
IMPORTANT INPUTS DURING 2013-14**

**Rice-Autumn**

Sl. 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	20	100	100
		S		10	10	90	100
		C	T	10	20	100	100
		S		10	10	90	100
10	Malappuram	C	H	10	0	100	80
		S		10	0	100	50
		C	T	10	0	100	80
		S		10	0	100	50
11	Kozhikkode	C	H	12	0	41.6	75
		S		12	0	91.6	41.65
		C	T	12	0	41.6	75.00
		S		12	0	91.6	41.65
12	Wayanad	C	H	0	NO AUTUMN PADDY IN THE SELECTED ZONE		
		S		0			
		C	T	0			
		S		0			
13	Kannur	C	H	8	0	87.5	75
		S		8	0	87.5	75
		C	T	8	0	87.5	75
		S		8	0	87.5	75
14	Kasaragod	C	H	6	0	100	66.6
		S		6	0	100	100
		C	T	6	0	100	66.6
		S		6	0	100	100
For District Covered		C	H	100	31	85	86
		S		100	24	97	86
		C	T	100	31	85	86
		S		100	24	97	86

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

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

I-Irrigated

**Table 7(ii)**  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO**  
**IMPORTANT INPUTS DURING 2013-14**

**Rice-Winter**

Sl. 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	87.5
		S		8	100	75	100
		C	T	8	100	100	87.5
		S		8	100	100	87.5
2	Kollam	C	H	6	50	100	66.66
		S		6	100	83.33	100
		C	T	6	50	100	66.66
		S		6	100	83.33	100
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	66.66	100	83.33
		C	T	6	100	100	100
		S		6	66.66	100	83.33
5	Kottayam	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
6	Idukki	C	H	4	75	50	100
		S		4	100	100	75
		C	T	4	75	50	100
		S		4	100	100	75
7	Ernakulam	C	H	6	66.66	100	83.33
		S		8	100	87.5	100
		C	T	8	50	75	62.5
		S		8	100	87.5	100
8	Thrissur	C	H	10	10	100	100
		S		10	100	90	100
		C	T	10	10	100	100
		S		10	100	90	100

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO  
IMPORTANT INPUTS DURING - 2013-14**

**Rice-Winter**

Sl.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	9	88.89	77.77	88.89
		S		10	100	90	100
		C	T	10	80	70	80
		S		10	100	90	100
10	Malappuram	C	H	10	70	80	100
		S		10	60	70	80
		C	T	10	70	80	100
		S		10	60	70	80
11	Kozhikkode	C	H	8	25	25	62.5
		S		8	0	12.5	50
		C	T	8	25	25	62.5
		S		8	0	12.5	50
12	Wayanad	C	H	4	100	100	100
		S		4	100	50	100
		C	T	4	100	100	100
		S		4	100	50	100
13	Kannur	C	H	8	50	75	75
		S		8	100	90	87.5
		C	T	8	50	75	75
		S		8	100	90	87.5
14	Kazharagod	C	H	6	66.66	33.33	100
		S		6	66.67	66.67	100
		C	T	6	66.66	33.33	100
		S		6	66.67	66.67	100
For District Covered		C	H	96	70.833	80.20	88.54
		S		100	82	75	88
		C	T	100	68	77	85
		S		100	82	75	88

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 2013-14**

**Rice-Summer**

Sl.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	71.4
		S		8	100	100	75
		C	T	8	87.5	87.5	62.5
		S		8	100	100	75
2	Kollam	C	H	4	100	75	75
		S		2	100	100	100
		C	T	6	66.66	50	50
		S		2	100	100	100
3	Pathanamthitta	C	H	4	100	100	100
		S		4	25	100	100
		C	T	4	100	100	100
		S		4	25	100	100
4	Alappuzha	C	H	4	100	100	100
		S		10	100	100	100
		C	T	6	66.7	66.7	66.7
		S		10	100	100	100
5	Kottayam	C	H	8	100	100	100
		S		8	100	100	100
		C	T	8	100	100	100
		S		8	100	100	100
6	Idukki	C	H	2	100	50	100
		S		4	100	100	100
		C	T	4	50	25	50
		S		4	100	100	100
7	Ernakulam	C	H	7	100	100	85.7
		S		8	75	100	100
		C	T	8	87.5	87.5	75
		S		8	75	100	100
8	Thrissur	C	H	10	100	100	100
		S		10	100	100	100
		C	T	10	100	100	100
		S		10	100	100	100

Contd.....

## DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2013-14

### Rice-Summer

Sl.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	100	100	100
		S		10	100	100	100
		C	T	10	100	100	100
		S		10	100	100	100
10	Malappuram	C	H	10	100	100	100
		S		10	100	90	100
		C	T	10	100	100	100
		S		10	100	90	100
11	Kozhikkode	C	H	6	100	100	100
		S		8	100	87.5	100
		C	T	8	75	75	75
		S		8	100	87.5	100
12	Wayanad	C	H	4	100	100	100
		S		4	100	100	50
		C	T	4	100	100	100
		S		4	100	100	50
13	Kannur	C	H	8	50	50	87.5
		S		6	83.33	83.33	100
		C	T	8	50	50	87.5
		S		8	62.5	62.5	75
14	Kazaragod	C	H	6	66.6	83.3	100
		S		6	100	100	100
		C	T	6	66.66	83.3	100
		S		6	100	100	100
For District Covered		C	H	90	93.3	92.2	94.4
		S		98	93.8	96.93	95.9
		C	T	100	84	83	85
		S		100	92	95	94

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 2013-14**

**Tapioca**

Sl.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	100	0
		S		4	0	0	0
		C	T	4	0	100	0
		S		4	0	0	0
2	Kollam	C	H	4	50	0	25
		S		4	50	25	25
		C	T	4	50	0	25
		S		4	50	25	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	100
		S		4	0	25	50
		C	T	4	0	25	100
		S		4	0	25	50
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	0	0
		S		4	25	0	25
		C	T	4	50	0	0
		S		4	25	0	25
8	Thrissur	C	H	4	75	0	0
		S		4	0	25	50
		C	T	4	75	0	0
		S		4	0	25	50

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO  
IMPORTANT INPUTS DURING 2013-14**

**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	50	50	25
		S		4	50	0	25
		C	T	4	50	50	25
		S		4	50	0	25
10	Malappuram	C	H	4	50	75	50
		S		4	50	100	25
		C	T	4	50	75	50
		S		4	50	100	25
11	Kozhikkode	C	H	4	0	25	50
		S		4	50	50	0
		C	T	4	0	25	50
		S		4	50	50	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	25	0
		C	T	4	0	0	50
		S		4	0	25	0
14	Kaziragad	C	H	4	0	0	50
		S		4	50	0	50
		C	T	4	0	0	50
		S		4	50	0	50
For District Covered		C	H	40	28	28	35
		S		40	28	25	25
		C	T	40	28	28	35
		S		40	28	25	25

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 2013-14**

**Pepper**

Sl.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	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
2	Kollam	C	H	4	50	50	0
		S		4	0	0	0
		C	T	4	50	50	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	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	25	25	25
		S		4	0	0	0
		C	T	4	25	25	25
		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	25	25	0
		C	T	4	25	0	0
		S		4	25	25	0
8	Thrissur	C	H	4	100	100	25
		S		4	50	50	0
		C	T	4	100	100	25
		S		4	50	50	0

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO  
IMPORTANT INPUTS DURING 2013-14**

**Pepper**

Sl.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	25	0
		S		4	0	0	0
		C	T	4	25	25	0
		S		4	0	0	0
10	Malappuram	C	H	4	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	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	0	0
		S		4	17	8.6	0
		C	T	4	0	0	0
		S		4	17	8.6	0
14	Kaziragod	C	H	4	0	0	0
		S		4	75	50	0
		C	T	4	0	0	0
		S		4	75	50	0
For District Covered		C	H	40	25	23	5
		S		40	17	12	0
		C	T	40	25	23	5
		S		40	17	12	0

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 2013-14**

**Banana**

Sl. 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	100	50	100
		S		4	100	100	75
		C	T	4	100	50	100
		S		4	100	100	75
2	Kollam	C	H	4	100	0	25
		S		4	100	100	75
		C	T	4	100	0	25
		S		4	100	100	75
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	50	50	50
		C	T	4	100	0	75
		S		4	50	50	50
5	Kottayam	C	H	4	100	0	100
		S		4	0	0	100
		C	T	4	100	0	100
		S		4	0	0	100
6	Idukki	C	H	4	75	0	25
		S		4	100	100	75
		C	T	4	75	0	25
		S		4	100	100	75
7	Ernakulam	C	H	4	50	0	75
		S		4	50	50	50
		C	T	4	50	0	75
		S		4	50	50	50
8	Thrissur	C	H	4	100	100	100
		S		4	100	25	100
		C	T	4	75	25	754
		S		4	100	100	100

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO  
IMPORTANT INPUTS DURING 2013-14**

**Banana**

Sl.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	100	0	100
		S		4	83.33	83.33	83.33
		C	T	6	100	0	100
		S		6	83.33	83.33	83.33
10	Malappuram	C	H	4	75	0	75
		S		4	100	100	50
		C	T	4	75	0	75
		S		4	100	100	50
11	Kozhikkode	C	H	4	100	0	100
		S		4	100	100	0
		C	T	4	100	0	100
		S		4	100	100	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	50	50	50
		S		4	100	100	25
		C	T	4	50	50	50
		S		4	100	100	25
14	Kaziragad	C	H	4	25	0	75
		S		4	75	75	75
		C	T	4	25	0	75
		S		4	75	75	75
For District Covered		C	H	50	80	6	74
		S		48	80	80	64
		C	T	50	80	6	74
		S		50	80	80	64

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 2013-14**

**Coconut**

Sl. 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	0	0
		S		4	0	0	25
		C	T	4	0	0	0
		S		4	0	0	25
2	Kollam	C	H	4	0	0	25
		S		4	0	0	0
		C	T	4	0	0	25
		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	75
		S		4	50	0	0
		C	T	4	0	0	75
		S		4	50	0	0
5	Kottayam	C	H	4	25	0	0
		S		4	0	0	0
		C	T	4	25	0	0
		S		4	0	0	0
6	Idukki	C	H	4	0	0	0
		S		4	50	0	50
		C	T	4	0	0	0
		S		4	50	0	50
7	Ernakulam	C	H	4	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
8	Thrissur	C	H	4	75	0	50
		S		4	50	0	25
		C	T	4	75	0	50
		S		4	50	0	25

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO  
IMPORTANT INPUTS DURING 2013-14**

**Coconut**

Sl. 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	50	0	0
		S		6	33	0	0
		C	T	6	50	0	0
		S		6	33	0	0
10	Malappuram	C	H	4	25	0	50
		S		4	50	0	0
		C	T	4	25	0	50
		S		4	50	0	0
11	Kozhikkode	C	H	4	0	0	25
		S		4	50	0	0
		C	T	4	0	0	25
		S		4	50	0	0
12	Wayanad	C	H	0	0	0	0
		S		0	0	0	50
		C	T	0	0	0	0
		S		0	0	0	50
13	Kannur	C	H	4	25	0	25
		S		4	100	0	50
		C	T	4	25	0	25
		S		4	100	0	50
14	Kazaragod	C	H	4	75	0	0
		S		4	100	0	0
		C	T	4	75	0	0
		S		4	100	0	0
For District Covered		C	H	50	24	0	20
		S		50	40	0	12
		C	T	50	24	0	20
		S		50	40	0	12

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 2013-14**

**Arecanut**

Sl. 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	0	0
		S		4	0	75	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	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	0	0
		S		4	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	0	0	0
		S		4	25	0	0
		C	T	4	0	0	0
		S		4	25	0	0
8	Thrissur	C	H	4	100	0	25
		S		4	50	75	25
		C	T	4	100	100	25
		S		4	50	25	25

Contd.....

## DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2013-14

### Arecanut

Sl. 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	75	75	0
		S		4	25	25	0
		C	T	4	75	75	0
		S		4	25	25	0
10	Malappuram	C	H	4	25	0	0
		S		4	100	0	25
		C	T	4	25	25	0
		S		4	100	0	25
11	Kozhikkode	C	H	4	0	25	0
		S		4	25	0	0
		C	T	4	0	0	0
		S		4	25	25	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	0
		S		4	25	0	0
		C	T	4	0	0	0
		S		4	25	25	0
14	Kazharagod	C	H	4	75	25	0
		S		4	100	0	0
		C	T	4	75	50	0
		S		4	100	100	0
For District Covered		C	H	40	28	5	2.5
		S		40	36	18	5.12
		C	T	40	28	5	2.5
		S		40	36	18	5.12

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

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

Table 8 (i)

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

STATE : KERALA      YEAR : 2013-14      STATE SAMPLE

SEASON : AUTUMN

CROP : PADDY

Sl.No.	District	No of experiments		Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest			
1	2	3	4	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	12	12			
12	Wayanad					
13	Kannur	8	8			
14	Kasargod	6	6			
<b>Total for all crops</b>		<b>100</b>	<b>100</b>			

Table 8 (ii)

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

STATE : KERALA

YEAR : 2013-14

CENTRAL 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					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	12	12				
12	Wayanad						
13	Kannur	8	8				
14	Kasargod	6	6				
	<b>Total</b>	<b>100</b>	<b>100</b>				

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: 2013-14				SEASON:AUTUMN PADDY				STATE SAMPLE						
		No. of expts. Checked at harvest		Irrigated		HY varieties		Total		Irrigated		Other Varieties		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	Tvpn	8	8	3825.09	0	0	8	3825.09	0	0	0	0	0	0	8	3825.09	0	0	8	3825.09
2	Kollam	6	0	0	6	3841.3	6	3841.3	0	0	0	0	0	0	0	0	6	3841.3	6	3841.3
3	Path	4	0	0	4	3215.53	4	3215.53	0	0	0	0	0	0	0	0	4	3215.53	4	3215.53
4	Alpy	6	4	3897.63	2	2254.32	6	3349.86	0	0	0	0	0	0	4	3897.63	2	2254.32	6	3349.86
5	Ktm	8	8	3544.2	0	0	8	3544.2	0	0	0	0	0	0	8	3544.2	0	0	8	3544.2
6	Idukki	4	4	3583.22	0	0	4	3583.22	0	0	0	0	0	0	4	3583.22	0	0	4	3583.22
7	EkM	8	0	0	8	3636.52	8	3636.52	0	0	0	0	0	0	0	0	8	3636.52	8	3636.52
8	Thrs	10	0	0	10	3590.4	10	3590.4	0	0	0	0	0	0	0	0	10	3590.4	10	3590.4
9	Pakkd	10	0	0	9	3346.82	9	3346.82	0	1	2517.02	1	2517.02	1	2517.02	0	10	3263.84	10	3263.84
10	Mlp	10	0	0	10	4292.5	10	4292.5	0	0	0	0	0	0	0	0	10	4292.5	10	4292.5
11	Kozhi	12	0	0	11	2408.68	11	2408.68	0	1	1563.28	1	1563.28	1	1563.28	0	12	2338.23	12	2338.23
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	0	0	7	3467.18	7	3467.18	0	1	3062.1	1	3062.1	1	3062.1	0	8	3416.54	8	3416.54
14	Ksrgd	6	0	0	6	3852.94	6	3852.94	0	0	0	0	0	0	0	0	6	3852.94	6	3852.94
	State	100	24	3703.24	73	3456.77	97	3517.75	0	0	3	2380.8	3	2380.8	24	3703.24	76	3414.3	100	3483.65

Table 8(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: 2013-14				SEASON:AUTUMN PADDY				CENTRAL SAMPLE					
			Irrigated		HY varieties		Total		Irrigated		Other Varieties		total		Irrigated		Both Hy & Others			
			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	7	3615.31	0	0	7	3615.31	1	3805.56	0	0	1	3805.56	8	3639.09	0	0	8	3639.09
2	Kollam	6	0	0	6	3709.82	6	3709.82	0	0	0	0	0	0	0	0	6	3709.82	6	3709.82
3	Path	4	4	3588.88	0	0	4	3588.88	0	0	0	0	0	0	4	3588.88	0	0	4	3588.88
4	Alpy	6	6	3902.9	0	0	6	3902.9	0	0	0	0	0	0	6	3902.9	0	0	6	3902.9
5	Kottm	8	2	3728.57	5	2978.56	7	3192.85	0	0	1	4002.44	1	4002.44	2	3728.57	6	3149.21	8	3294.05
6	Idukki	4	1	4178.52	0	0	1	4178.52	3	3396.24	0	0	3	3396.24	4	3591.81	0	0	4	3591.81
7	Ekm	8	4	3874.68	2	3755.6	6	3834.99	0	0	2	1128.51	2	1128.51	4	3874.68	4	2442.06	8	3158.37
8	Thrs	10	1	3901.8	9	3050.42	10	3135.56	0	0	0	0	0	0	1	3901.8	9	3050.42	10	3135.56
9	Pakkd	10	2	4644.06	8	4047.3	10	4166.65	0	0	0	0	0	0	2	4644.06	8	4047.3	10	4166.65
10	Mlp	10	0	0	10	2668.16	10	2668.16	0	0	0	0	0	0	0	0	10	2668.16	10	2668.16
11	Kozhi	12	0	0	5	2669.59	5	2669.59	0	0	7	1319.13	7	1319.13	0	0	12	1881.82	12	1881.82
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	0	0	7	3902.09	7	3902.09	0	0	1	2113.38	1	2113.38	0	0	8	3678.5	8	3678.5
14	Ksrgd	6	0	0	6	3956.64	6	3956.64	0	0	0	0	0	0	0	0	6	3956.64	6	3956.64
<b>State</b>		<b>100</b>	<b>27</b>	<b>3829.79</b>	<b>58</b>	<b>3372.06</b>	<b>85</b>	<b>3517.45</b>	<b>4</b>	<b>3498.57</b>	<b>11</b>	<b>1600.61</b>	<b>15</b>	<b>2106.73</b>	<b>31</b>	<b>3787.05</b>	<b>69</b>	<b>3089.65</b>	<b>100</b>	<b>3305.85</b>

Table 8(v)

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

Sl.No.	District	STATE : KERALA				YEAR : 2013-14				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	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	3825.09	1	2923.92	8	7	7	8	3825.09	47.3	22.26	29.52	0	0		
2	Kollam	6	3841.30	1	3378.1	6	5	4	6	3841.30	43.3	18.5	64.43	0	0		
3	Pathanamthitta	4	3215.53	2	3778.72	4	4	3	4	3215.53	46	28	19.67	0	0		
4	Alappuzha	6	3349.86	4	3897.63	5	5	6	6	3349.86	61.38	37	6	0	0		
5	Kottayam	8	3544.2	8	3544.2	8	8	8	8	3544.2	74.38	35.38	52.5	0	0		
6	Idukki	4	3583.22	2	3653.82	4	4	2	4	3583.22	48.25	38.25	25.5	0	0		
7	Ernakulam	8	3636.52	0	0	6	7	6	8	3636.52	25.25	27.11	25.01	0	0		
8	Thrissur	10	3590.40	8	3791.25	10	9	9	10	3590.40	40.86	24.33	39.11	0	0		
9	Palakkad	10	3263.84	3	3422.6	10	8	8	10	3263.84	60.8	28.5	41.88	0	0		
10	Malappuram	10	4292.50	1	4923.36	4	4	1	5	4313.09	37.75	37.75	50	5	4271.90		
11	Kozhikode	12	2338.23	0	0	5	5	1	5	2298.64	24.68	24.68	24	7	2366.52		
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
13	Kannur	8	3416.54	1	3062.1	6	4	6	6	3464.48	37.17	21.5	34.83	2	3272.73		
14	Kasargod	6	3852.94	2	3442.54	6	6	5	6	3852.94	45.44	26.11	42.03	0	0		
	<b>Total</b>	<b>100</b>	<b>3483.65</b>	<b>33</b>	<b>3653.93</b>	<b>82</b>	<b>76</b>	<b>66</b>	<b>86</b>	<b>3533.65</b>	<b>45.58</b>	<b>28.41</b>	<b>34.96</b>	<b>14</b>	<b>3176.47</b>		

Table 8(v)

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

Sl.No.	District	YEAR : 2013-14		SEASON : AUTUMN PADDY		STATE SAMPLE							
		Experiments Treated with Manure Only		Experiments Treated With Manures		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				
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	7	3953.83	1	2923.92	7	3953.83	0	0	8	3825.09
2	Kollam	0	0	5	3933.93	1	3378.1	5	3933.93	0	0	6	3841.30
3	Pathanamthitta	0	0	2	2652.34	2	3778.72	2	2652.34	0	0	4	3215.53
4	Alappuzha	0	0	2	2254.32	4	3897.63	2	2254.32	0	0	6	3349.86
5	Kottayam	0	0	0	0	8	3544.2	0	0	0	0	8	3544.2
6	Idukki	0	0	2	3512.63	2	3653.82	2	3512.63	0	0	4	3583.22
7	Ernakulam	0	0	8	3636.52	0	0	8	3636.52	0	0	8	3636.52
8	Thrissur	0	0	2	2787	8	3791.25	2	2787	0	00	10	3590.40
9	Palakkad	0	0	7	3195.80	3	3422.6	7	3195.8	0	0	10	3263.84
10	Malappuram	5	4271.90	9	4222.4	1	4923.36	4	4160.52	0	00	10	4292.50
11	Kozhikode	6	2374.07	11	2339.78	1	2321.23	5	2298.64	1	2321.23	11	2339.78
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	2385.96	6	3351.79	2	3610.8	5	3544.96	1	4159.5	7	3310.41
14	Kasargod	0	0	4	4058.15	2	3442.54	4	4058.15	0	0	6	3852.94
	<b>Total</b>	<b>12</b>	<b>3165.82</b>	<b>65</b>	<b>3404.68</b>	<b>35</b>	<b>3630.29</b>	<b>53</b>	<b>3458.76</b>	<b>2</b>	<b>3240.36</b>	<b>98</b>	<b>3488.61</b>



Table 8(vi)

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

Sl.No.	District	STATE : KERALA		YEAR : 2013-14		SEASON : AUTUMN		CROP: PADDY		CENTRAL SAMPLE		Experiments not Treated with Fertilizers			
		Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		No.of Experiments		Experiments With Fertilizers		Rate of application					
		No.	Yield Rate	No.	Yield Rate	N	P	K	Yield Rate	N	P			K	
						Exclusive									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	3639.09	0	0	7	7	7	7	3635.50	51.86	21.86	41.86	1	3664.2
2	Kollam	6	3709.82	0	0	6	5	3	6	3709.82	40	38.2	70.67	0	0
3	Pathanamthitta	4	3588.88	0	0	4	4	4	4	3588.88	34.75	27.5	34.5	0	0
4	Alappuzha	6	3902.9	0	0	6	6	6	6	3902.9	77.33	47.83	6	0	0
5	Kottayam	8	3294.05	7	3417.88	8	8	7	8	3294.05	55.38	39.38	36.71	0	0
6	Idukki	4	3591.81	1	2827.66	4	4	3	4	3591.81	55.25	27.25	26	0	0
7	Ernakulam	8	3158.37	5	3942.46	5	5	5	5	3942.46	34.8	25.6	40.6	3	1851.54
8	Thrissur	10	3135.56	4	3925.95	9	7	7	9	3227.96	56.11	38.29	60.71	1	2303.92
9	Palakkad	10	4166.65	3	4389.72	10	9	8	10	4166.65	77.2	43.67	76.25	0	0
10	Malappuram	10	2668.16	2	2231.42	8	7	4	8	3295.66	50.5	29.43	37.25	2	158.18
11	Kozhikode	12	1881.82	1	4259.84	9	7	1	9	2086.80	40.67	33.71	102	3	1266.90
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	3678.50	3	3626.14	6	6	2	6	3966.57	39.89	24.57	62.5	2	2814.3
14	Kasargod	6	3956.64	0	0	4	4	4	4	3648.68	55.75	52.5	41.25	2	4572.56
	<b>Total</b>	<b>100</b>	<b>3305.85</b>	<b>26</b>	<b>3651.51</b>	<b>86</b>	<b>79</b>	<b>61</b>	<b>86</b>	<b>3490.36</b>	<b>51.5</b>	<b>34.6</b>	<b>48.95</b>	<b>14</b>	<b>2172.39</b>

Table 8(vi)

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

Sl.No.	District	YEAR : 2013-14				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
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	1	3664.2	8	3639.09	0	0	7	3635.5	0	0	8	3639.09
2	Kollam	0	0	6	3709.82	0	0	6	3709.82	0	0	6	3709.82
3	Pathanamthitta	0	0	4	3588.88	0	0	4	3588.88	0	0	4	3588.88
4	Alappuzha	0	0	6	3902.9	0	0	6	3502.9	0	0	6	3902.9
5	Kottayam	0	0	1	2427.24	7	3417.88	1	2427.24	0	0	8	3294.05
6	Idukki	0	0	3	3846.53	1	2827.66	3	3846.53	0	0	4	3591.81
7	Ernakulam	1	3297.6	1	3297.6	7	3138.48	0	0	2	1128.51	6	3834.99
8	Thrissur	0	0	5	2669.57	5	3601.55	5	2669.57	1	2303.92	9	3227.97
9	Palakkad	0	0	7	4071.06	3	4389.72	7	4071.06	0	0	10	4166.65
10	Malappuram	0	0	6	3650.4	4	1194.80	6	3650.4	2	158.18	8	3295.66
11	Kozhikode	2	1248.07	10	1977.96	2	1401.12	8	2160.44	1	1304.55	11	1934.30
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	2814.3	5	3709.92	3	3626.14	3	4307	0	0	8	3678.50
14	Kasargod	2	4572.56	6	3956.64	0	0	4	3648.68	0	0	6	3956.64
	<b>Total</b>	<b>8</b>	<b>3028.96</b>	<b>68</b>	<b>3415.08</b>	<b>32</b>	<b>3073.72</b>	<b>60</b>	<b>3466.57</b>	<b>6</b>	<b>1030.31</b>	<b>94</b>	<b>3451.09</b>

Table 9(i)

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

STATE : KERALA YEAR : 2013-14 STATE SAMPLE

CROP : PADDY

SEASON : WINTER

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				
6	Idukki	4	4				
7	Ernakulam	8	6				
8	Thrissur	10	10				
9	Palakkad	10	9				
10	Malappuram	10	10				
11	Kozhikode	8	8				
12	Wayanad	4	4				
13	Kannur	8	8				
14	Kasargod	6	6				
		100	100				

Table 9(ii)

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

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	6	2			
8	Thrissur	10	10				
9	Palakkad	10	9	1			
10	Malappuram	10	10				
11	Kozhikode	8	8				
12	Wayanad	4	4				
13	Kannur	8	8				
14	Kasargod	6	6				
	<b>Total</b>	<b>100</b>	<b>96</b>	<b>4</b>			

STATE : KERALA

YEAR : 2013-14

CENTRAL SAMPLE

SEASON : Winter

CROP : Paddy

**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:2013-14				SEASON:WINTER				CROP:PADDY				STATE SAMPLE					
			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	Typrn	8	6	3853.37	0	0	6	3853.37	2	1242.7	0	0	2	1242.68	8	3200.7	0	0	8	3200.7				
2	Kollam	6	5	3216.32	0	0	5	3216.32	1	3297.3	0	0	1	3297.28	6	3229.81	0	0	6	3229.81				
3	Path	4	4	3598.12	0	0	4	3598.12	0	0	0	0	0	0	4	3598.12	0	0	4	3598.12				
4	Alpy	6	4	2546.93	2	1316	6	2136.62	0	0	0	0	0	0	4	2546.93	2	1316	6	2136.62				
5	Ktm	8	8	4563.65	0	0	8	4563.65	0	0	0	0	0	0	8	4563.65	0	0	8	4563.65				
6	Idukki	4	4	4231.3	0	0	4	4231.3	0	0	0	0	0	0	4	4231.3	0	0	4	4231.3				
7	EkM	8	7	3431.97	0	0	7	3431.97	1	4746.7	0	0	1	4746.72	8	3596.31	0	0	8	3596.31				
8	Thrs	10	9	4009.33	0	0	9	4009.33	1	3050.4	0	0	1	3050.4	10	3913.44	0	0	10	3913.44				
9	Pakkd	10	9	4966.28	0	0	9	4966.28	1	4700.5	0	0	1	4700.52	10	4939.7	0	0	10	4939.7				
10	Mlp	10	3	5868.11	4	4239.4	7	4937.42	3	3629.7	0	0	3	3629.65	6	4748.88	4	4239.4	10	4545.09				
11	Kozhi	8	0	0	1	2311.04	1	2311.04	0	0	7	1712.25	7	1712.25	0	0	8	17187.1	8	1787.1				
12	Wyd	4	3	4470.2	0	0	3	4470.2	1	1793	0	0	1	1793.04	4	3800.91	0	0	4	3800.91				
13	Kannur	8	1	2227.68	1	2376.92	2	2302.3	3	2532.2	3	1954.68	6	2243.45	4	2456.09	4	2060.24	8	2258.17				
14	Ksrgd	6	4	4001.58	0	0	4	4001.58	2	1684.5	0	0	2	1684.48	6	3229.21	0	0	6	3229.21				
	<b>State</b>	<b>100</b>	<b>67</b>	<b>4048.8</b>	<b>8</b>	<b>3034.7</b>	<b>75</b>	<b>3940.63</b>	<b>15</b>	<b>2795.2</b>	<b>10</b>	<b>1784.98</b>	<b>25</b>	<b>2391.11</b>	<b>82</b>	<b>3819.48</b>	<b>18</b>	<b>2340.41</b>	<b>100</b>	<b>3553.25</b>				

Table 9(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:2013-14						SEASON:WINTER						CROP: PADDY						CENTRAL SAMPLE											
			HY varieties			Other Varieties			Both Hy & Others			Irrigated			Un irrigated			Irrigated			Un irrigated			Irrigated			Un irrigated			Irrigated			Un irrigated					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total		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	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	8	3528.29	0	0	3528.29	0	0	0	0	0	0	0	8	3528.29	0	0	8	3528.29	0	0	0	0	0	0	0	8	3528.29	0	0	8	3528.29					
2	Kollam	6	3	3357.39	3	3005.33	3181.36	0	0	0	0	0	0	0	6	3181.36	0	0	3	3357.39	0	0	0	0	0	0	0	3	3357.39	3	3005.33	6	3181.36					
3	Path	4	4	4452.80	0		4452.80	0	0	0	0	0	0	0	4	4452.80	0	0	4	4452.80	0	0	0	0	0	0	4	4452.80	0	0	4	4452.80						
4	Alpy	6	3	4604.75	2	479.40	2954.61	0	0	0	1	1165.60	1	1165.6	5	2954.61	0	0	0	0	0	0	0	0	0	0	3	4604.75	3	708.13	6	2656.44						
5	Kottm	7	7	4688.84	0	0	4688.84	0	0	0	0	0	0	0	7	4688.84	0	0	7	4688.84	0	0	0	0	0	0	7	4688.84	0	0	7	4688.84						
6	Idukki	4	1	5137.6	1	4704.4	4921.00	2	3230	0	0	0	2	3230	2	4921.00	2	3230	3	3865.87	1	4704.40	4	4075.5	4	4075.5	3	3865.87	1	4704.40	4	4075.5						
7	EkM	6	4	3879.03	2	3534.00	3764.02	0	0	0	0	0	0	0	6	3764.02	0	0	4	3879.03	2	3534.00	6	3764.02	6	3764.02	2	3534.00	6	3764.02								
8	Thrs	10	7	5380.18	3	5169.56	5317.00	0	0	0	0	0	0	0	10	5317.00	0	0	7	5380.18	3	5169.56	10	5317	10	5317	7	5380.18	3	5169.56	10	5317						
9	Pakkd	9	7	5842.13	0	0	5842.13	1	3623.4	1	831.6	2	2227.50	2	2227.50	7	5842.13	1	831.6	8	5564.79	1	831.60	9	5038.88	9	5038.88	8	5564.79	1	831.60	9	5038.88					
10	Mlp	10	5	2718.48	3	3499.31	3011.29	2	1310.36	0	0	0	2	1310.36	2	3011.29	2	1310.36	7	2316.16	3	3499.31	10	2671.1	10	2671.1	7	2316.16	3	3499.31	10	2671.1						
11	Kozhi	8	2	2758.16	0	0	2758.16	0	0	0	6	1226.67	6	1226.67	2	2758.16	0	0	2	2758.16	6	1226.67	8	1609.54	8	1609.54	2	2758.16	6	1226.67	8	1609.54						
12	Wyd	4	4	5307.51	0	0	5307.51	0	0	0	0	0	0	0	4	5307.51	0	0	4	5307.51	0	0	4	5307.51	4	5307.51	0	0	4	5307.51								
13	Kannur	8	3	3221.4	3	2779.75	3000.57	1	3181.36	1	2598.96	2	2890.16	2	2890.16	4	3221.4	1	2598.96	4	3211.39	4	2734.55	8	2972.97	8	2972.97	4	3211.39	4	2734.55	8	2972.97					
14	Ksrgd	6	2	3075.68	0	0	3075.68	2	2836.92	2	2857.6	4	2847.26	4	2847.26	2	3075.68	2	2836.92	4	2956.30	2	2857.60	6	2923.40	6	2923.40	4	2956.30	2	2857.60	6	2923.40					
	State	96	60	4301.83	17	3299.59	4080.56	8	2694.92	11	1606.49	19	2064.77	19	2064.77	68	4112.78	28	2634.44	96	3681.60	28	2634.44	96	3681.60	96	3681.60	68	4112.78	28	2634.44	96	3681.60					

Table 9(v)

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

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		YEAR : 2013-14		SEASON : WINTER		CROP: PADDY		STATE SAMPLE		Rate of application		No.	Yield Rate		
		No.	Yield Rate	No.	Yield Rate	No. of Experiments	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	3200.7	1	3384.00	8	8	8	8	3200.7	48.89	18.43	25.05	0	0
2	Kollam	6	3229.81	0	0	6	6	6	6	3229.81	36.96	22.54	35.81	0	0
3	Pathanamthitta	4	3598.12	0	0	4	4	4	4	3598.12	87.79	46.05	75.30	0	0
4	Alappuzha	6	2136.62	5	2515.06	5	5	5	5	2515.06	95.24	43.60	5	1	244.4
5	Kottayam	8	4563.65	5	5087.99	8	8	7	8	4563.65	64.13	35.5	39.29	0	0
6	Idukki	4	4231.3	1	4769.00	3	3	3	3	4952.67	37	28.33	22.67	1	2067.2
7	Ernakulam	8	3596.31	3	3858.88	8	8	6	8	3596.31	35.22	17.24	27.22	0	0
8	Thrissur	10	3913.44	7	3614.25	10	10	9	10	3913.44	43.88	28.5	33.83	0	0
9	Palakkad	10	4939.70	7	5381.64	9	8	9	10	4939.7	67.56	27.39	51.74	0	0
10	Malappuram	10	4545.09	4	5334.50	8	6	3	8	4811.86	49.15	22.83	29	2	3478
11	Kozhikode	8	1787.10	0	0	4	4	2	4	1909.92	62.25	23.75	48	4	1664.28
12	Wayanad	4	3800.91	2	5470.26	3	1	2	3	4470.2	18	99	1	1	1793.04
13	Kannur	8	2258.17	0	0	6	6	3	6	2501.89	39.5	35.33	20.67	2	1526.98
14	Kasargod	6	3229.21	0	0	5	5	3	5	3001.98	32.52	32.52	25.07	1	4365.36
	<b>Total</b>	<b>100</b>	<b>3553.25</b>	<b>35</b>	<b>4371.28</b>	<b>87</b>	<b>82</b>	<b>70</b>	<b>88</b>	<b>3752.13</b>	<b>51.29</b>	<b>34.36</b>	<b>31.4</b>	<b>12</b>	<b>2094.76</b>

Table 9(vi)

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

Sl.No.	District	STATE : KERALA		YEAR : 2013-14		SEASON : WINTER		CROP: PADDY		STATE SAMPLE			
		Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Treated With Manures		Experiments Not Treated 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	0	0	7	3174.51	1	3384.00	7	3174.51	0	0	8	3200.7
2	Kollam	0	0	6	3229.81	0	0	6	3229.81	0	0	6	3229.81
3	Pathanamthitta	0	0	4	3598.12	0	0	4	3598.12	0	0	4	3598.12
4	Alappuzha	1	244.4	1	244.4	5	2515.06	0	0	0	0	6	2136.62
5	Kottayam	0	0	3	3689.75	5	5087.99	3	3689.75	0	0	8	4563.65
6	Idukki	0	0	2	5044.50	2	3418.10	2	5044.50	1	2067.20	3	4952.67
7	Ernakulam	0	0	5	3438.77	3	3858.88	5	3438.77	0	0	8	3596.31
8	Thrissur	0	0	3	4611.56	7	3614.25	3	4611.56	0	0	10	3913.44
9	Palakkad	0	0	3	3908.52	7	5381.64	3	3908.52	0	0	10	4939.70
10	Malappuram	2	3478.0	6	4018.81	4	5334.50	4	4289.22	0	0	10	4545.09
11	Kozhikode	2	1799.52	6	1873.12	2	1529.04	4	1909.92	2	1529.04	6	1873.12
12	Wayanad	1	1793.04	2	2131.56	2	5470.26	1	2470.08	0	0	4	3800.91
13	Kannur	2	1526.98	8	2258.17	0	0	6	2501.89	0	0	8	2258.17
14	Kasargod	1	4365.36	6	3229.21	0	0	5	3001.98	0	0	6	3229.21
	<b>Total</b>	<b>9</b>	<b>2223.53</b>	<b>62</b>	<b>3180.73</b>	<b>38</b>	<b>4161.05</b>	<b>53</b>	<b>3343.27</b>	<b>3</b>	<b>1708.43</b>	<b>97</b>	<b>3610.31</b>



Table 9(vii)

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

SEASON : WINTER PADDY

YEAR : 2013-14

STATE : KERALA

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	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	3528.29	0	0	7	7	6	7	3418.91	52.29	24.71	41	1	4293.92		
2	Kollam	6	3181.36	2	2000.08	3	3	4	4	2554.84	56	27.67	52	2	4434.40		
3	Pathanamthitta	4	4452.80	2	3974.40	4	4	4	4	4452.80	80	40.75	42.75	0	0		
4	Alappuzha	6	2656.44	1	5331.68	6	6	6	6	2656.44	40.83	26.67	6	0	0		
5	Kottayam	7	4688.84	4	5067.79	7	7	7	7	4688.84	88.43	42.29	70.29	0	0		
6	Idukki	4	4075.5	0	0	4	4	4	4	4075.50	26	19.25	36.25	0	0		
7	Ernakulam	6	3764.02	2	3281.04	5	5	3	5	3832.34	48.84	27.32	23.67	1	3422.40		
8	Thrissur	10	5317.00	3	4124.24	10	10	10	10	5317.00	56	27	28	0	0		
9	Palakkad	9	5038.88	2	4169.88	8	8	6	8	5564.79	84.13	39.38	71.17	1	831.6		
10	Malappuram	10	2671.10	1	1714.56	10	10	6	10	2671.10	59.10	33	24.33	0	0		
11	Kozhikode	8	1609.54	5	2045.34	5	5	1	5	2045.34	36.40	30	49	3	883.20		
12	Wayanad	4	5307.51	0	0	4	4	2	4	5307.51	10.25	10	0	0	0		
13	Kannur	8	2972.97	0	0	6	6	4	6	2939.30	43.23	31.73	94.75	2	3073.98		
14	Kasaragod	6	2923.40	1	2556.80	5	5	5	5	2876.40	28.80	28.80	39	1	3158.40		
	Total	96	3681.60	23	3448.89	84	84	68	85	3812.48	50.74	29.18	41.30	11	2670.24		

Table 9(viii)

## CROP WISE RATE OF APPLICATION OF 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	
		YEAR : 2013-14		SEASON : WINTER		CROP: PADDY		CENTRAL SAMPLE					
		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	1	4293.92	8	3528.29	0	0	7	3418.91	0	0	8	3528.29
2	Kollam	2	4434.40	4	3772.00	2	2000.08	2	3109.60	0	0	6	3181.36
3	Pathanamthitta	0	0	2	4931.20	2	3974.40	2	4931.20	0	0	4	4452.80
4	Alappuzha	0	0	5	2121.39	1	5331.68	5	2121.39	0	0	6	2656.44
5	Kottayam	0	0	3	4183.57	4	5067.79	3	4183.57	0	0	7	4688.84
6	Idukki	0	0	4	4075.50	0	0	4	4075.50	0	0	4	4075.50
7	Ernakulam	0	0	3	4199.88	3	3328.16	3	4199.88	1	3422.4	5	3832.34
8	Thrissur	0	0	7	5828.18	3	4124.24	7	5828.18	0	0	10	5317
9	Palakkad	1	831.60	7	5287.17	2	4169.88	6	6029.76	0	0	9	5038.88
10	Malappuram	0	0	9	2777.39	1	1714.56	9	2777.39	0	0	10	2671.10
11	Kozhikode	3	883.20	3	883.20	5	2045.34	0	0	0	0	8	1609.54
12	Wayanad	0	0	4	5307.51	0	0	4	5307.51	0	0	4	5307.51
13	Kannur	2	3073.98	8	2972.97	0	0	6	2939.30	0	0	8	2972.97
14	Kasargod	0	0	4	2956.30	2	2857.60	4	2956.30	1	3158.4	5	2876.4
	<b>Total</b>	<b>9</b>	<b>2532.43</b>	<b>71</b>	<b>3768.01</b>	<b>25</b>	<b>3436.21</b>	<b>62</b>	<b>3947.37</b>	<b>2</b>	<b>3290.40</b>	<b>94</b>	<b>3689.93</b>

Table 10(i)

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

STATE : KERALA

YEAR : 2013-14

STATE SAMPLE

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	2	2				
3	Pathanamthitta	4	4				
4	Alappuzha	10	10				
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	8	8				
12	Wayanad	4	4				
13	Kannur	8	6		2		
14	Kasargod	6	6				
<b>Total</b>		<b>100</b>	<b>98</b>		<b>2</b>		

Table 10(ii)

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

STATE : KERALA

YEAR : 2013-14

CENTRAL SAMPLE

SEASON : Summer

CROP : Paddy

Sl.No.	District	No of experiments		Checked at harvest	At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned						
1	2	3		4	5	6	7	8
1	Thiruvananthapuram	8		7		1		
2	Kollam	6		4		2		
3	Pathanamthitta	4		4				
4	Alappuzha	6		4		2		
5	Kottayam	8		8				
6	Idukki	4		2				
7	Ernakulam	8		7		1		
8	Thrissur	10		10				
9	Palakkad	10		10				
10	Malappuram	10		10				
11	Kozhikode	8		6		2		
12	Wayanad	4		4				
13	Kannur	8		8				
14	Kasargod	6		6				
	<b>Total</b>	<b>100</b>		<b>90</b>		<b>8</b>		

Table 10(iii)

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

Sl.No.	District	STATE:KERALA				YEAR: 2013-14				SEASON:SUMMER PADDY				STATE SAMPLE						
		HY varieties		Total		Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated				
		No. of expts. Checked at harvest	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			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	8	8	3852.53	0	0	8	3852.53	0	0	0	0	0	0	8	3852.53	0	0	8	3852.53
2	Kollam	2	2	2289.5	0	0	2	2289.5	0	0	0	0	0	0	2	2289.5	0	0	2	2289.5
3	Path	4	1	4043.64	3	1368.96	4	2037.63	0	0	0	0	0	0	1	4043.64	3	1368.96	4	2037.63
4	Alpy	10	10	3535.15	0	0	10	3535.15	0	0	0	0	0	0	10	3535.15	0	0	10	3535.15
5	Kottm	8	8	4641.86	0	0	8	4641.86	0	0	0	0	0	0	8	4641.86	0	0	8	4641.86
6	Idukki	4	4	4802.25	0	0	4	4802.25	0	0	0	0	0	0	4	4802.25	0	0	4	4802.25
7	Ekrm	8	6	2120.21	2	3080	8	2360.16	0	0	0	0	0	0	6	2120.21	2	3080	8	2360.16
8	Thrs	10	10	5396.6	0	0	10	5396.6	0	0	0	0	0	0	10	5396.6	0	0	10	5396.6
9	Pakkd	10	10	3623.68	0	0	10	3623.68	0	0	0	0	0	0	10	3623.68	0	0	10	3623.68
10	Mlp	10	9	4152.56	0	0	9	4152.56	1	1501	0	0	1	1501	10	3887.4	0	0	10	3887.4
11	Kozhi	8	7	2945.58	0	0	7	2945.58	1	607	0	0	1	607.2	8	2653.28	0	0	8	2653.28
12	Wyd	4	4	3829.64	0	0	4	3879.64	0	0	0	0	0	0	4	3879.64	0	0	4	3879.64
13	Kannur	6	5	3055.9	0	0	5	3055.9	0	0	1	712	1	712	5	3055.9	1	712	6	2665.25
14	Kstgd	6	6	3529.66	0	0	6	3529.66	0	0	0	0	0	0	6	3529.66	0	0	6	3529.66
	<b>State</b>	<b>98</b>	<b>90</b>	<b>3822.56</b>	<b>5</b>	<b>2053.38</b>	<b>95</b>	<b>3729.45</b>	<b>2</b>	<b>1054</b>	<b>1</b>	<b>712</b>	<b>3</b>	<b>940.07</b>	<b>92</b>	<b>3762.38</b>	<b>6</b>	<b>1829.81</b>	<b>98</b>	<b>3644.06</b>

Table 10(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: 2013-14				SEASON: SUMMER PADDY				CENTRAL SAMPLE					
			HY varieties		Other Varieties		Both Hy & Others		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	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	5133.6	0	0	7	5133.60	0	0	0	0	0	0	7	5133.60	0	0	7	5133.60
2	Kollam	4	3	1722.93	0	0	3	1722.93	1	2213	0	0	1	2213.12	4	1845.48	0	0	4	1845.48
3	Path	4	4	3009.32	0	0	4	3009.32	0	0	0	0	0	0	4	3009.32	0	0	4	3009.32
4	Alpy	4	4	2783.64	0	0	4	2783.64	0	0	0	0	0	0	4	2783.64	0	0	4	2783.64
5	Kottm	8	8	4153.80	0	0	8	4153.80	0	0	0	0	0	0	8	4153.80	0	0	8	4153.80
6	Idukki	2	1	5606.16	0	0	1	5606.16	1	301	0	0	1	300.8	2	2953.48	0	0	2	2953.48
7	Ekm	7	7	2366.24	0	0	7	2366.24	0	0	0	0	0	0	7	2366.24	0	0	7	2366.24
8	Thrs	10	10	5842.63	0	0	10	5842.63	0	0	0	0	0	0	10	5842.63	0	0	10	5842.63
9	Pakkd	10	10	4266.64	0	0	10	4266.64	0	0	0	0	0	0	10	4266.64	0	0	10	4266.64
10	Mlp	10	10	5934.46	0	0	10	5934.46	0	0	0	0	0	0	10	5934.46	0	0	10	5934.46
11	Kozhi	6	6	3529.59	0	0	6	3529.59	0	0	0	0	0	0	6	3529.59	0	0	6	3529.59
12	Wyd	4	4	4980.88	0	0	4	4980.88	0	0	0	0	0	0	4	4980.88	0	0	4	4980.88
13	Kannur	8	2	4811.82	2	2966.7	4	3889.26	2	1639	2	453.84	4	1046.25	4	3225.24	4	1710.27	8	2467.76
14	Ksrgd	6	4	2889.51	1	4612.8	5	3234.17	0	0	1	4464	1	4464	4	2889.51	2	4538.40	6	3439.14
	State	90	80	4279.95	3	3515.4	83	4252.32	4	1448	3	1790.56	7	1594.7	84	4145.09	6	2652.98	90	4045.61

Table 10(v)

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

STATE : KERALA      YEAR : 2013-14      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			
		Yield Rate(KG/Ha)		Yield Rate(KG/Ha)		No.of Experiments			Rate of application			Yield Rate (KG/Ha)	No.		
		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	8	3852.52	2	3111.78	6	6	5	6	3922.74	48.21	20.7	33.56	2	3641.88
2	Kollam	2	2289.5	2	2289.5	2	2	2	2	2289.5	23.2	14	12	0	0
3	Pathanamthitta	4	2037.63	4	2037.63	4	4	4	4	2037.63	60.75	28.75	42	0	0
4	Alappuzha	10	3535.15	9	3371.46	10	10	10	10	3535.15	91.1	49	55.8	0	0
5	Kottayam	8	4641.86	6	4617.17	8	8	8	8	4641.86	83.25	37.88	70.63	0	0
6	Idukki	4	4802.25	2	5259.2	4	2	3	4	4802.25	50.68	20.85	47.23	0	0
7	Ernakulam	8	2360.16	4	2777.28	8	8	8	8	2360.16	42.78	27.16	28.71	0	0
8	Thrissur	10	5396.60	10	5396.60	10	10	9	10	5396.60	67.8	36.8	41.33	0	0
9	Palakkad	10	3623.68	7	3378.2	10	10	8	10	3623.68	98.15	36.1	75.25	0	0
10	Malappuram	10	3887.4	4	2594.45	10	9	6	10	3887.4	61.7	30.93	28.03	0	0
11	Kozhikode	8	2653.28	2	3976.24	7	7	4	8	2653.28	41.51	25.74	58.5	0	0
12	Wayanad	4	3879.64	1	4165.76	2	1	1	2	2745.28	25.2	25.2	2	2	5014
13	Kannur	6	2665.25	2	5389.84	6	6	5	6	2665.25	70.5	33.33	72.8	0	0
14	Kasargod	6	3529.66	0	0	6	6	4	6	3529.66	45.16	30.46	56.94	0	0
Total		98	3644.06	55	3809.38	93	89	77	94	3614.95	57.86	29.78	44.63	4	4327.94

Table 10(v)

## CROP WISE RATE OF APPLICATION OF 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 Treated With Fertilizers & Manure		Experiments Not 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	2	3641.88	6	4099.44	2	3111.78	4	4328.22	0	0	8	3852.52
2	Kollam	0	0	0	0	2	2289.5	0	0	0	0	2	2289.5
3	Pathanamthitta	0	0	0	0	4	2037.63	0	0	0	0	4	2037.63
4	Alappuzha	0	0	1	5008.32	9	3371.46	1	5008.32	0	0	10	3535.15
5	Kottayam	0	0	2	4715.92	6	4617.17	2	4715.92	0	0	8	4641.86
6	Idukki	0	0	2	4345.3	2	5259.2	2	4345.3	0	0	4	4802.25
7	Ernakulam	0	0	4	1943.04	4	2777.28	4	1943.04	0	0	8	2360.16
8	Thrissur	0	0	0	0	10	5396.6	0	0	0	0	10	5396.60
9	Palakkad	0	0	3	4196.46	7	3378.2	3	4196.47	0	0	10	3623.68
10	Malappuram	0	0	6	4749.36	4	2594.45	6	4749.37	0	0	10	3887.4
11	Kozhikode	0	0	6	2212.29	2	3976.24	6	2212.29	0	0	8	2653.28
12	Wayanad	2	5014	3	3784.26	1	4165.76	1	1324.8	0	0	4	3879.64
13	Kannur	0	0	4	1302.96	2	5389.84	4	1302.96	0	0	6	2665.25
14	Kasargod	0	0	6	3529.66	0	0	6	3529.66	0	0	6	3529.66
	<b>Total</b>	<b>4</b>	<b>4327.94</b>	<b>43</b>	<b>3432.59</b>	<b>55</b>	<b>3809.38</b>	<b>39</b>	<b>3340.76</b>	<b>0</b>	<b>0</b>	<b>98</b>	<b>3644.06</b>



Table 10(vi)

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

SEASON : SUMMER PADDY

YEAR : 2013-14

STATE : KERALA

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/H a)	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	7	5133.60	1	4984.8	5	5	4	5	5606.04	40.8	23.4	30.75	2	3952.5
2	Kollam	4	1845.48	0	0	3	3	1	3	1722.93	50.33	20.67	17	1	2213.12
3	Pathanamthitta	4	3009.32	2	3155.6	4	4	4	4	3009.32	56	27.25	33	0	0
4	Alappuzha	4	2783.64	2	1880	4	4	4	4	2821.88	81.25	48.25	67	0	0
5	Kottayam	8	4153.80	6	4037.57	8	8	8	8	4153.80	108.5	43.25	53.5	0	0
6	Idukki	2	2953.48	2	2953.48	2	2	2	2	2953.48	59	37	28	0	0
7	Ernakulam	7	2366.24	2	3129.84	6	6	4	6	2202.48	43.67	22.5	31	1	3348.8
8	Thrissur	10	5842.63	4	6120.33	10	10	10	10	5842.63	58.7	26.2	51.3	0	0
9	Pala k kad	10	4266.64	5	4107.8	10	10	10	10	4266.64	95.3	32.8	71.3	0	0
10	Malappuram	10	5934.46	2	6788.7	10	9	7	10	5934.46	75.78	29.98	60.46	0	0
11	Kozhikode	6	3529.59	1	4215.12	6	6	4	6	3529.58	53.5	26.5	82.25	0	0
12	Wayanad	4	4980.88	0	0	4	4	3	4	4980.88	13.25	32.67	0	0	0
13	Kannur	8	2467.76	0	0	7	7	3	7	2535.44	31.71	42.86	44.67	1	1993.92
14	Kasargod	6	3439.14	0	0	6	6	6	6	3439.14	33.17	24.33	36.17	0	0
	<b>Total</b>	<b>90</b>	<b>4045.61</b>	<b>27</b>	<b>4231.89</b>	<b>85</b>	<b>84</b>	<b>70</b>	<b>85</b>	<b>4103.50</b>	<b>57.21</b>	<b>31.26</b>	<b>43.31</b>	<b>5</b>	<b>3092.17</b>

Table 10(vi)

## CROP WISE RATE OF APPLICATION OF 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	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	3952.50	6	5158.40	1	4984.80	4	5761.35	0	0	7	5133.60
2	Kollam	1	2213.12	4	1845.48	0	0	3	1722.93	0	0	4	1845.48
3	Pathanamthitta	0	0	2	2863.04	2	3155.60	2	2863.04	0	0	4	3009.32
4	Alappuzha	0	0	2	3763.76	2	1880	2	3763.76	0	0	4	2821.88
5	Kottayam	0	0	2	4502.48	6	4037.57	2	4502.48	0	0	8	4153.80
6	Idukki	0	0	0	0	2	2953.48	0	0	0	0	2	2953.48
7	Ernakulam	1	3348.80	5	2060.80	2	3129.84	4	1738.80	0	0	7	2366.24
8	Thrissur	0	0	6	5657.50	4	6120.33	6	5657.50	0	0	10	5842.63
9	Palakkad	0	0	5	4425.48	5	4107.80	5	4425.48	0	0	10	4266.64
10	Malappuram	0	0	8	5720.90	2	6788.70	8	5720.90	0	0	10	5934.46
11	Kozhikode	0	0	5	3392.48	1	4215.12	5	3392.48	0	0	6	3529.58
12	Wayanad	0	0	4	4980.88	0	0	4	4980.88	0	0	4	4980.88
13	Kannur	1	1993.92	8	2467.75	0	0	7	2535.45	0	0	8	2467.75
14	Kasargod	0	0	6	3439.14	0	0	6	3439.14	0	0	6	3439.14
	<b>Total</b>	<b>5</b>	<b>3092.17</b>	<b>63</b>	<b>3968.21</b>	<b>27</b>	<b>4231.89</b>	<b>58</b>	<b>4043.73</b>	<b>0</b>	<b>0</b>	<b>90</b>	<b>4047.31</b>

Table 11(i)

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

STATE : KERALA

YEAR : 2013-14

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	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	4	4				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	6	6				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
Total for all crops		50	50				

Table 11(ii)

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

STATE : KERALA

YEAR : 2013-14

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	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	4	4				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	6	6				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
	<b>Total</b>	<b>50</b>	<b>50</b>				

Table 11(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	YEAR: 2013-14						SEASON: ANNUAL						CROP: BANANA						STATE SAMPLE					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Both Hy & Others		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	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	4	11087	0	0	4	11086.70	4	11086.70	0	0	4	11086.67						
2	Kollam	4	0	0	0	0	0	0	4	12350	0	0	4	12350	4	12350	0	0	4	12350						
3	Pthfta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
4	Alpza	4	0	0	0	0	0	0	2	15033	2	17566.7	4	16300	2	15033.30	2	17566.70	4	16300						
5	Kotym	4	0	0	0	0	0	0	0	0	4	17316.7	4	17316.70	0	0	4	17316.70	4	17316.67						
6	Idukki	4	0	0	0	0	0	0	4	20600	0	0	4	20600	4	20600	0	0	4	20600						
7	Ernklim	4	0	0	0	0	0	0	2	16833	2	15733.3	4	16283.30	2	16833.30	2	15733.30	4	16283.33						
8	Trissur	4	0	0	0	0	0	0	4	15567	0	0	4	15566.70	4	15566.7	0	0	4	15566.67						
9	Palkkad	6	0	0	0	0	0	0	5	13420	1	10866.70	6	12994.40	5	13420	1	10866.70	6	12994.44						
10	Mlpram	4	0	0	0	0	0	0	4	9900	0	0	4	9900	4	9900	0	0	4	9900						
11	Kozkd	4	0	0	0	0	0	0	4	13667	0	0	4	13666.70	4	13666.70	0	0	4	13666.67						
12	Wynad	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	23583	0	0	4	23583.30	4	23583.30	0	0	4	23583.33						
14	Ksrgod	4	0	0	0	0	0	0	3	17111	1	13800	4	16283.30	3	17111.10	1	13800	4	16283.33						
	State	50	0	0	0	0	0	0	40	15230	10	16053.3	50	15394.30	40	15229.5	10	16053.30	50	15394.27						

Table 11(iv)

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

CENTRAL SAMPLE

SEASON : ANNUAL BANANA

YEAR: 2013-14

STATE: KERALA

Sl.No	District	No. of expts. Checked at harvest	HY varieties				Other Varieties				Both Hy & Others									
			No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Total	Irrigated	Un irrigated	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Irrigated	Un irrigated	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	Tvpm	4	2	14233.3	0	0	2	14233.33	2	15400	0	0	2	15400	4	14816.7	0	0	4	14816.67
2	Kollam	4	0	0	0	0	0	0	4	13767	0	0	4	13766.7	4	13766.7	0	0	4	13766.67
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	19250	0	0	4	19250	4	19250	0	0	4	19250
5	Kottm	4	0	0	0	0	0	0	4	13500	0	0	4	13500	4	13500	0	0	4	13500
6	Idukki	4	0	0	0	0	0	0	3	19156	1	10533.3	4	17000	3	19155.6	1	10533.3	4	17000
7	Ekm	4	0	0	0	0	0	0	2	16917	2	17466.7	4	17191.7	2	16916.7	2	17466.7	4	17191.67
8	Thrs	4	0	0	1	11200	1	11200	3	17911	0	0	3	17911.1	3	17911.1	1	11200	4	16233.33
9	Pakkd	6	0	0	0	0	0	0	6	15167	0	0	6	15166.7	6	15166.7	0	0	6	15166.67
10	Mlp	4	0	0	0	0	0	0	3	12111	1	6866.67	4	10800	3	12111.1	1	6866.67	4	10800
11	Kozhi	4	0	0	0	0	0	0	4	16333	0	0	4	16333.3	4	16333.1	0	0	4	16333.33
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	2	16233	2	9153.33	4	12693.3	2	16233.3	2	9153.33	4	12693.33
14	Ksrgd	4	0	0	0	0	0	0	1	15333	3	15933.3	4	15783.3	1	15333.3	3	15933.3	4	15283.33
	State	50	2	14233.3	1	11200	3	13222.22	38	15852	9	13160	47	15336.3	40	15770.8	10	12964	50	15209.47

Table 11(v)

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

STATE : KERALA

YEAR : 2013-14

SEASON : ANNUAL, BANANA

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	Yield Rate	N	P			K	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	11086.67	0	0	3	3	3	3	10026.67	273.8	92.87	198.20	1	14266.67
2	Kollam	4	12350	0	0	3	3	3	3	13066.67	76.73	43	58	1	10200
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	16300	2	17566.70	2	2	2	2	17566.67	130	130	150	2	15033.33
5	Kottayam	4	17316.67	1	13600	4	3	3	4	17316.67	212	236.67	376	0	0
6	Idukki	4	20600	1	23866.70	3	1	1	3	19400	348	400	120	1	24200
7	Ernakulam	4	16283.33	0	0	2	2	0	2	16833.33	194	115.50	0	2	15733.33
8	Thrissur	4	15566.66	0	0	4	4	4	4	15566.67	149	80	90	0	0
9	Palakkad	6	12994.44	2	16433.30	5	5	3	5	13820	812.80	408	520	1	8866.67
10	Malappuram	4	9900	0	0	2	2	0	2	11166.67	169	100	0	2	8633.33
11	Kozhikode	4	13666.66	0	0	0	0	0	0	0	0	0	0	4	13666.67
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	kannur	4	23583.33	0	0	1	1	1	1	25600	284	284	284	3	22911.11
14	Kasargod	4	16283.33	0	0	3	3	2	3	17111.11	83.33	52.67	84	1	13800
	<b>Total</b>	<b>50</b>	<b>15394.27</b>	<b>6</b>	<b>17577.80</b>	<b>32</b>	<b>29</b>	<b>22</b>	<b>32</b>	<b>15505.63</b>	<b>248.42</b>	<b>176.61</b>	<b>208.91</b>	<b>18</b>	<b>15196.30</b>

Table 11(v)

## CROP-WISE RATE OF APPLICATION OF FERTILIZERS AND 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	1	14266.67	4	11086.67	0	0	3	10026.7	0	0	4	11086.7
2	Kollam	1	10200	4	12350	0	0	3	13066.7	0	0	4	12350
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	2	15033.33	2	15033.33	2	17566.67	0	0	0	0	4	16300
5	Kottayam	0	0	3	18555.56	1	13600	3	18555.6	0	0	4	17316.7
6	Idukki	1	24200	3	19511.11	1	23866.67	2	17166.7	0	0	4	20600
7	Ernakulam	2	15733.33	4	16283.33	0	0	2	16833.3	0	0	4	16283.3
8	Thrissur	0	0	4	15566.67	0	0	4	15566.7	0	0	4	15566.7
9	Palakkad	1	8866.66	4	11275	2	16433.33	3	12077.8	0	0	6	12994.4
10	Malappuram	2	8633.33	4	9900	0	0	2	11166.7	0	0	4	9900
11	Kozhikode	4	13666.66	4	13666.67	0	0	0	0	0	0	4	13666.7
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	3	22911.11	4	23583.33	0	0	1	25600	0	0	4	23583.3
14	Kasargod	1	13800	4	16283.33	0	0	3	17111.1	0	0	4	16283.3
	Total	18	15196.30	44	15096.52	6	17577.78	26	15027.4	0	0	50	15394.3



Table 11(vi)

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

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		No. of Experiments						Rate of application				Experiments not Treated with Fertilizers	
		STATE : KERALA		YEAR : 2013-14		SEASON : ANNUAL BANANA		CENTRAL SAMPLE						Experiments With Fertilizers		Yield Rate (KG/Ha)	No.
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	N	P	K	Exclusive Total	Yield Rate (KG/Ha)	N	P	K	Yield Rate (KG/Ha)	No.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
1	Thiruvananthapuram	4	14816.66	0	0	4	4	4	4	14816.67	171.25	72.75	157.25	0	0		
2	Kollam	4	13766.66	0	0	1	1	1	1	1066.67	62	62	184	3	14800		
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4	Alappuzha	4	19250	0	0	3	3	1	3	20688.88	190.67	76.67	24	1	14933.33		
5	Kottayam	4	13500	0	0	4	4	2	4	13500	245	118	139	0	0		
6	Idukki	4	17000	0	0	1	1	0	1	21833.33	239	239	0	3	15388.89		
7	Ernakulam	4	17191.67	0	0	3	2	1	3	19655.55	151	93	4	1	9800		
8	Thrissur	4	16233.33	0	0	3	3	2	3	19444.44	280	105.67	326	1	6600		
9	Palakkad	6	15166.66	0	0	6	6	5	6	15166.66	115.83	115.83	180.80	0	0		
10	Malappuram	4	10800	0	0	3	3	3	3	11066.66	228	228	158.67	1	10000		
11	Kozhikode	4	16333.33	1	16466.7	4	4	2	4	16333.33	248.50	176.75	198	0	0		
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
13	Kannur	4	12693.33	0	0	2	2	2	2	16233.33	541.50	219.50	600	2	9153.33		
14	Kasargod	4	15783.33	0	0	3	3	3	3	17055.55	22.27	22.27	40.67	1	11966.67		
	<b>Total</b>	<b>50</b>	<b>15209.47</b>	<b>1</b>	<b>16466.7</b>	<b>37</b>	<b>36</b>	<b>26</b>	<b>37</b>	<b>16170.27</b>	<b>207.92</b>	<b>127.45</b>	<b>182.94</b>	<b>13</b>	<b>12474.87</b>		

Table 11(vi)

CROP WISE RATE OF APPLICATION OF 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	0	0	4	14816.67	0	0	4	14816.7	0	0	4	14816.7
2	Kollam	3	14800	4	13766.67	0	0	1	10666.7	0	0	4	13766.7
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	1	14933.33	4	19250	0	0	3	20688.9	0	0	4	19250
5	Kottayam	0	0	4	13500	0	0	4	13500	0	0	4	13500
6	Idukki	3	15388.89	4	17000	0	0	1	21833.3	0	0	4	17000
7	Ernakulam	1	9800	4	17191.67	0	0	3	19655.6	0	0	4	17191.7
8	Thrissur	1	6600	4	16233.33	0	0	3	19444.4	0	0	4	16233.3
9	Palakkad	0	0	6	15166.67	0	0	6	15166.7	0	0	6	15166.7
10	Malappuram	1	10000	4	10800	0	0	3	11066.7	0	0	4	10800
11	Kozhikode	0	0	3	16288.89	1	16466.67	3	16288.9	0	0	4	16333.3
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	9153.33	4	12693.33	0	0	2	16233.3	0	0	4	12693.3
14	Kasargod	1	11966.67	4	15783.33	0	0	3	17055.6	0	0	4	15783.3
	<b>Total</b>	<b>13</b>	<b>12474.87</b>	<b>49</b>	<b>15183.81</b>	<b>1</b>	<b>16466.67</b>	<b>36</b>	<b>16162</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>15209.5</b>

Table 12(i)

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

STATE : KERALA

YEAR : 2013-14

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	0	0				
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	4	4				
<b>Total</b>		<b>40</b>	<b>40</b>				

Table 12(ii)

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

STATE : KERALA

YEAR : 2013-14

CENTRAL 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	0	0				
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	4	4				
<b>Total</b>		<b>40</b>	<b>40</b>				

Table 12 (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	YEAR: 2013-14						SEASON: ANNUAL CROP: TAPIOCA						STATE SAMPLE					
			HY varieties			Other Varieties			Both Hy & Others			Irrigated			Un irrigated			Total		
			No. of Experiments	Yield Rate Kg/Ha	Total	No. of Experiments	Yield Rate Kg/Ha	total	No. of Experiments	Yield Rate Kg/Ha	total	No. of Experiments	Yield Rate Kg/Ha	total	No. of Experiments	Yield Rate Kg/Ha	total	No. of Experiments	Yield Rate Kg/Ha	total
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	32187.5	4	32187.5	0	0	4	32187.5	4	32187.5
2	Kollam	4	1	56250	0	1	56250	1	71000	2	27875	3	42250	2	63625	2	27875	4	45750	4
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	Kottm	4	0	0	1	26250	1	26250	0	0	3	33750	3	33750	0	0	4	31875	4	31875
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	1	20000	3	52708.3	4	44531.3	1	20000	3	52708.3	4	44531.25
8	Thrs	4	0	0	1	48750	1	48750	0	0	3	31250	3	31250	0	0	4	35625	4	35625
9	Pakkd	4	0	0	0	0	0	0	2	40000	2	21875	4	30937.5	2	40000	2	21875	4	30937.5
10	Mlp	4	2	49625	2	17875	4	33750	0	0	0	0	0	0	2	49625	2	17875	4	33750
11	Kozhi	4	2	30625	0	2	30625	0	0	0	2	10000	2	10000	2	30625	2	10000	4	20312.5
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	42500	1	42500	0	0	3	19166.7	3	19166.7	0	0	4	25000	4	25000
14	Ksrgd	4	0	0	0	0	0	0	2	72500	2	15000	4	43750	2	72500	2	15000	4	43750
	State	40	5	43350	5	30650	10	37000	6	52667	24	28703.1	30	33495.8	11	48431.8	29	29038.8	40	34371.88

Table 12(iv)

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

Sl.No.	District	STATE:KERALA				YEAR: 2013-14				SEASON:ANNUAL TAPIOCA				CENTRAL SAMPLE						
		HY varieties		Other Varieties		HY varieties		Other Varieties		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	4	0	0	4	28312.5	0	0	0	0	0	0	0	0	0	0	4	28312.5	4	28312.5
2	Kollam	4	0	0	0	0	2	17375	2	17375	2	24625	4	21000	2	17375	2	24625	4	21000
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	Kottn	4	0	0	1	27250	1	27250	0	0	3	33416.7	3	33416.7	0	0	4	31875	4	31875
6	Idlukki	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	2	45375	2	45375	2	29250	4	37312.5	2	45375	2	29250	4	37312.5
8	Thrs	4	0	0	0	0	3	37417	3	37417	1	7500	4	29937.5	3	37416.7	1	7500	4	29937.5
9	Pakkd	4	0	0	2	10000	2	10000	2	18875	0	0	2	18875	2	18875	2	10000	4	14437.5
10	Mlp	4	1	35000	2	46250	3	42500	1	28750	0	0	1	28750	2	31875	2	46250	4	39062.5
11	Kozhi	4	0	0	1	18750	1	18750	0	0	3	22750	3	22750	0	0	4	21750	4	21750
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	38437.5	4	38437.5	0	0	4	38437.5	4	38437.5
14	Ksrgd	4	0	0	0	0	0	0	0	0	4	19062.5	4	19062.5	0	0	4	19062.5	4	19062.5
	State	40	1	35000	10	27175	11	27856.36	10	30425	19	27039.5	29	28206.9	11	30840.9	29	27086.2	40	28118.75

Table 12(v)

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

**STATE : KERALA      YEAR : 2013-14      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	32187.5	0	0	0	0	0	0	0	0	0	0	4	32187.5
2	Kollam	4	45750	0	0	1	0	1	1	71000	25.76	0	21	3	37333.33
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	31875	1	26250	2	0	1	2	37500	124	0	72	2	26250
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	44531.25	0	0	1	1	1	1	53125	0.9	0.9	0.9	3	41666.67
8	Thrissur	4	35625	0	0	2	2	0	2	41875	110	110	0	2	29375
9	Palakkad	4	30937.5	0	0	2	0	1	1	37500	23	0	180	3	28750
10	Malappuram	4	33750	0	0	0	0	1	1	46250	0	0	150	3	29583.33
11	Kozhikode	4	20312.5	0	0	0	0	0	0	0	0	0	0	4	20312.5
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	25000	0	0	0	0	0	0	0	0	0	0	4	25000
14	Kasargod	4	43750	0	0	2	2	0	2	63750	102.5	61	0	2	23750
	<b>State</b>	<b>40</b>	<b>34371.88</b>	<b>1</b>	<b>26250</b>	<b>10</b>	<b>5</b>	<b>5</b>	<b>10</b>	<b>49412.5</b>	<b>64.36</b>	<b>57.3</b>	<b>84.78</b>	<b>30</b>	<b>29358.33</b>

Table 12(v)

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

STATE : KERALA      YEAR : 2013-14      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.	Yield 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	35833.33	3	35833.33	1	21250	0	0	1	21250	3	35833.3
2	Kollam	1	30250.00	2	50625	2	40875	1	71000	2	40875	2	50625
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	16250	2	32500	2	31250	1	48750	1	36250	3	30416.7
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	3	41666.67	4	44531.25	0	0	1	53125	0	0	4	44531.3
8	Thrissur	2	29375	4	35625	0	0	2	41875	0	0	4	35625
9	Palakkad	3	28750	4	30937.5	0	0	1	37500	0	0	4	30937.5
10	Malappuram	3	29583.33	4	33750	0	0	1	46250	0	0	4	33750
11	Kozhikode	4	20312.5	4	20312.5	0	0	0	0	0	0	4	20312.5
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	3	26250	3	26250	1	21250	0	0	1	21250	3	26250
14	Kasargod	1	38750	3	55416.67	1	8750	2	63750	1	8750	3	55416.7
	State	24	29645.83	33	35738.64	7	27928.57	9	51986.1	6	28208.33	34	35459.6



Table 12(vi)

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

STATE : KERALA      YEAR : 2013-14      SEASON : ANNUAL      TAPIOCA      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	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	28312.5	0	0	0	0	0	0	0	0	0	0	4	28312.5
2	Kollam	4	21000	0	0	1	0	0	1	23000	114	0	0	3	20333.33
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	31875	2	30500	4	4	4	4	31875	84.25	56.5	83.5	0	0
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	37312.5	0	0	0	0	0	0	0	0	0	0	4	37312.5
8	Thrissur	4	29937.5	0	0	0	0	0	0	0	0	0	0	4	29937.5
9	Palakkad	4	14437.5	1	13750	1	1	0	1	13750	49	49	0	3	14666.67
10	Malappuram	4	39062.5	0	0	2	2	2	2	45625	79.5	79.5	158.5	2	32500
11	Kozhikode	4	21750	0	0	2	1	1	2	24375	305	99	611	2	19125
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	kannur	4	38437.5	0	0	2	1	1	2	65625	24	25	60	2	11250
14	Kasargod	4	19062.5	2	23750	2	1	2	2	23750	40	25	47	2	14375
	<b>Total</b>	<b>40</b>	<b>28118.75</b>	<b>5</b>	<b>24450</b>	<b>14</b>	<b>10</b>	<b>10</b>	<b>14</b>	<b>34500</b>	<b>99.39</b>	<b>55.67</b>	<b>192</b>	<b>26</b>	<b>24682.69</b>

Table 12(vi)

## CROP WISE RATE OF APPLICATION OF 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	34416.67	3	34416.67	1	10000	0	0	1	10000	3	34416.7
2	Kollam	2	18750	3	20166.67	1	23500	1	23000	1	23500	3	20166.7
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	0	0	2	33250	2	30500	2	33250	0	0	4	31875
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	37312.5	4	37312.5	0	0	0	0	0	0	4	37312.5
8	Thrissur	3	35750	3	35750	1	12500	0	0	1	12500	3	35750
9	Palakkad	2	10000	2	10000	2	18875	0	0	1	24000	3	11250
10	Malappuram	2	32500	4	39062.5	0	0	2	45625	0	0	4	39062.5
11	Kozhikode	2	19125	4	21750	0	0	2	24375	0	0	4	21750
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	11250	4	38437.5	0	0	2	65625	0	0	4	38437.5
14	Kasaragod	1	13750	1	13750	3	20833.33	0	0	1	15000	3	20416.7
	<b>Total</b>	<b>21</b>	<b>26511.9</b>	<b>30</b>	<b>30583.33</b>	<b>10</b>	<b>20725</b>	<b>9</b>	<b>40083.3</b>	<b>5</b>	<b>17000</b>	<b>35</b>	<b>29707.1</b>

Table 13(i)

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

STATE : KERALA      YEAR : 2013-14      STATE SAMPLE  
 SEASON : Annual      CROP : Coconut

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	4	4				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	6	6				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
	<b>Total</b>	<b>50</b>	<b>50</b>				

Table 13(ii)

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

STATE : KERALA      YEAR : 2013-14      CENTRAL SAMPLE  
 SEASON : Annual      CROP : Coconut

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						
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki	4	4				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	6	6				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad						
13	Kannur	4	4				
14	Kasargod	4	4				
<b>Total</b>		<b>50</b>	<b>50</b>				

Table 13(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: 2013-14						CROP: Coconut						STATE SAMPLE											
		HY varieties			Other Varieties			Both Hy & Others			Irrigated			Un irrigated			Irrigated			Un irrigated			Irrigated			Un irrigated			Total				
		Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated		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	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	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21														
1	Tvpm	0	0	0	0	0	0	0	0	4	7979.05	4	7979.05	4	7979.05	0	0	4	7979.05	4	7979.05	4	7979.05	4	7979.05	4	7979.05	4	7979.05	4	7979.05	4	7979.05
2	Kollam	0	0	0	0	0	0	0	0	4	6027	4	6027	4	6027	0	0	4	6027	4	6027	4	6027	4	6027	4	6027	4	6027	4	6027	4	6027
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	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	2	18036	2	9859.2	4	13947.5	2	18035.70	2	18035.70	2	9859.2	2	9859.2	2	9859.2	2	18035.70	2	18035.70	2	9859.2	2	9859.2	2	9859.2
5	Kottm	0	0	0	0	0	0	0	0	4	4697.3	4	4697.3	4	4697.3	0	0	4	4697.3	4	4697.3	4	4697.3	4	4697.3	4	4697.3	4	4697.3	4	4697.3	4	4697.3
6	Idukki	0	0	0	0	0	0	2	9118	2	7227.5	4	8172.5	2	9117.50	2	9117.50	2	7227.5	2	7227.5	2	7227.5	2	9117.50	2	9117.50	2	7227.5	2	7227.5	2	7227.5
7	EkM	0	0	0	0	0	0	0	0	4	7712.1	4	7712.1	4	7712.1	0	0	4	7712.1	4	7712.1	4	7712.1	4	7712.1	4	7712.1	4	7712.1	4	7712.1	4	7712.1
8	Thrs	0	0	0	0	0	0	2	7457	2	3687.4	4	5572.3	2	7457.2	2	7457.2	2	3687.4	2	3687.4	2	3687.4	2	5572.3	2	5572.3	2	3687.4	2	3687.4	2	3687.4
9	Pakkd	0	0	0	0	0	0	2	7063	4	6446.4	6	6651.8	2	7062.6	4	6446.4	4	6446.4	4	6446.4	4	6446.4	4	6651.8	4	6651.8	4	6446.4	4	6446.4	4	6446.4
10	Mlp	0	0	0	0	0	0	2	7517	2	4060	4	5788.4	2	7516.8	2	7516.8	2	4060	2	4060	2	4060	2	5788.4	2	5788.4	2	4060	2	4060	2	4060
11	Kozhi	0	0	0	0	0	0	2	10019	2	12341	4	11180	2	10019	2	10019	2	12341	2	12341	2	12341	2	11180	2	11180	2	12341	2	12341	2	12341
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	0	0	0	0	4	6153	0	0	4	6153	4	6153	4	6153	0	0	0	0	0	0	4	6153	4	6153	4	6153	4	6153	4	6153
14	Ksrgd	0	0	0	0	0	0	4	7211	0	0	4	7211.4	4	7211.4	4	7211.4	0	0	0	0	0	0	4	7211.4	4	7211.4	4	7211.4	4	7211.4	4	7211.4
	State	0	0	0	0	0	0	20	8594	30	6859.92	50	7553.46	20	8593.76	30	6859.92	30	6859.92	30	6859.92	30	6859.92	20	8593.76	20	8593.76	30	6859.92	30	6859.92	50	7553.46

Table 13(iv)

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

Sl.No.	District	STATE:KERALA		YEAR: 2013-14		CROP : Coconut		CENTRAL SAMPLE												
		HY varieties				Other Varieties				Both Hy & Others										
		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Total		
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	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	0	0	4	6571.65	4	6571.65	0	0	4	6571.65	4	6571.65
2	Kollam	4	0	0	0	0	0	0	0	0	4	11361	4	11361	0	0	4	11361	4	11361
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	10712.4	4	10712.40	0	0	4	10712.4	4	10712.40
5	Kottm	4	0	0	0	0	0	0	1	6120	3	4765.07	4	5103.90	1	6120.4	3	4765.07	4	5103.90
6	Idukki	4	0	0	0	0	0	0	0	0	4	3885	4	3885	0	0	4	3885	4	3885
7	EkM	4	0	0	0	0	0	0	0	0	4	6573.05	4	6573.05	0	0	4	6573.05	4	6573.05
8	Thrs	4	0	0	0	0	0	0	3	11357	1	8446	4	10629.60	3	11357.5	1	8446	4	10629.60
9	Pakkd	6	0	0	0	0	0	0	3	11028	3	5988.20	6	8508.30	3	11028.4	3	5988.2	6	8508.30
10	Mlp	4	0	0	0	0	0	0	1	21762	3	6279.47	4	10150	1	21761.6	3	6279.47	4	10150
11	Kozhi	4	0	0	0	0	0	0	0	0	4	6353.25	4	6353.25	0	0	4	6353.25	4	6353.25
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	1	8652	3	6748	4	7224	1	8652	3	6748	4	7224
14	Ksrgd	4	0	0	0	0	0	0	3	8704	1	8894.40	4	8751.60	3	8704	1	8894.4	4	8751.60
	State	50	0	0	0	0	0	0	12	10817	38	7118.63	50	8006.23	12	10817	38	7118.63	50	8006.23

Table 13(v)

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

STATE : KERALA      YEAR : 2013-14      SEASON : ANNUAL      CROP: Coconut      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	7979.05	0	0	1	1	1	1	7627.2	50	50	0	0	3	8096.33
2	Kollam	4	6027	0	0	0	0	0	0	0	0	0	0	4	6027	
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	Alappuzha	4	13947.45	0	0	0	0	0	0	0	0	0	0	4	13764.95	
5	Kottayam	4	4697.3	0	0	0	0	0	0	0	0	0	0	4	4697.30	
6	Idukki	4	8172.5	0	0	2	2	2	2	9117.5	30	30	90	2	7227.50	
7	Ernakulam	4	7712.1	0	0	0	0	0	0	0	0	0	0	4	7712.10	
8	Thrissur	4	5572.3	0	0	1	0	0	1	6509.6	22	0	0	3	5259.87	
9	Palakkad	6	6651.8	0	0	0	0	0	0	0	0	0	0	6	6651.80	
10	Malappuram	4	5788.4	0	0	0	0	0	0	0	0	0	0	4	5788.40	
11	Kozhikode	4	11180	0	0	0	0	0	0	0	0	0	0	4	11180	
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kannur	4	6153	0	0	1	0	0	2	6258	34	0	120	2	6048	
14	Kasargod	4	7211.4	0	0	0	0	0	0	0	0	0	0	4	7211.40	
	Total	50	7553.46	0	0	5	3	3	6	7481.3	34	40	105	44	7546.70	

Table 13(v)

## CROP WISE RATE OF APPLICATION OF 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			
		YEAR : 2013-14		YEAR : 2013-14		SEASON : ANNUAL		SEASON : ANNUAL		SEASON : ANNUAL		SEASON : ANNUAL		STATE SAMPLE	
		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)	No.	Yield Rate (KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28		
1	Thiruvananthapuram	0	0	1	7627.2	3	8096.33	1	7627.2	3	8096.33	1	7627.2		
2	Kollam	4	6027	4	6027	0	0	0	0	0	0	4	6027		
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0		
4	Alappuzha	0	0	0	0	4	13947.45	0	0	4	13947.45	0	0		
5	Kottayam	1	4108.8	1	4108.8	3	4893.46	0	0	3	4893.46	1	4108.8		
6	Idukki	1	6545	3	8260	1	7910	2	9117.5	1	7910	3	8260		
7	Ernakulam	2	5454.9	2	5454.9	2	9969.3	0	0	2	9969.3	2	5454.9		
8	Thrissur	0	0	1	6509.6	3	5259.86	1	6509.6	3	5259.86	1	6509.6		
9	Palakkad	3	8342.4	3	8342.4	3	4961.2	0	0	3	4961.2	3	8342.4		
10	Malappuram	2	4825.6	2	4825.6	2	6751.2	0	0	2	6751.2	2	4825.6		
11	Kozhikode	2	10513.5	2	10513.5	2	11846.5	0	0	2	11846.5	2	10513.5		
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0		
13	Kannur	2	6048	4	6153	0	0	2	6258	0	0	4	6153		
14	Kasargod	4	7211.4	4	7211.4	0	0	0	0	0	0	4	7211.4		
	<b>Total</b>	<b>21</b>	<b>6777.08</b>	<b>27</b>	<b>6933.57</b>	<b>23</b>	<b>8281.15</b>	<b>6</b>	<b>7481.3</b>	<b>23</b>	<b>8281.15</b>	<b>27</b>	<b>6933.57</b>		



Table 13(vi)

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

STATE : KERALA      YEAR : 2013-14      SEASON : ANNUAL      CROP: Coconut      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			Yield Rate (KG/Ha)	No.		
						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	6571.65	0	0	0	0	0	0	0	0	0	0	4	6571.65
2	Kollam	4	11361	0	0	1	1	1	1	10542	140	7	27	3	11634
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	10712.40	0	0	3	2	2	3	10143.6	51.67	5	2	1	12418.80
5	Kottayam	4	5103.90	0	0	0	0	0	0	00	0	0	0	4	5103.90
6	Idukki	4	3885	0	0	0	0	0	0	0	0	0	0	4	3885
7	Ernakulam	4	6573.05	0	0	0	0	0	0	0	0	0	0	4	6573.05
8	Thrissur	4	10629.60	0	0	2	1	2	2	9785	51	45	59.5	2	11474.20
9	Palakkad	6	8508.30	2	5962.4	0	0	0	0	0	0	0	0	6	8508.30
10	Malappuram	4	10150	0	0	1	1	1	2	5962.4	25	25	157	2	14337.60
11	Kozhikode	4	6353.25	0	0	0	0	1	1	8299	0	0	104	3	5704.67
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	7224	0	0	1	1	0	1	12852	7.2	7.2	0	3	5348
14	Kasargod	4	8751.60	0	0	0	0	0	0	0	0	0	0	4	8751.60
<b>Total</b>		<b>50</b>	<b>8006.23</b>	<b>2</b>	<b>5962.4</b>	<b>8</b>	<b>6</b>	<b>7</b>	<b>10</b>	<b>9361.86</b>	<b>54.97</b>	<b>17.84</b>	<b>69.9</b>	<b>40</b>	<b>7667.33</b>

Table 13(vi)

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

STATE : KERALA      YEAR : 2013-14      SEASON : ANNUAL      Coconut      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	1	9897.2	1	9897.20	3	5463.13	0	0	3	5463.13	1	9897.20
2	Kollam	3	11634	4	11361	0	0	1	10542	0	0	4	11361
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	1	12418.80	4	10712.4	0	0	3	10143.6	0	0	4	10712.40
5	Kottayam	2	7639.80	2	7639.8	2	2568	0	0	2	2568	2	7639.80
6	Idukki	3	3570	3	3570	1	4830	0	0	1	4830	3	3570
7	Ernakulam	3	6660.13	3	6660.13	1	6311.8	0	0	1	6311.8	3	6660.13
8	Thrissur	0	0	2	9785	2	11474.2	2	9785	2	11474.2	2	9785
9	Palakkad	5	8209.68	5	8209.68	1	10001.4	0	0	1	10001.4	5	8209.68
10	Malappuram	2	14337.60	2	14337.6	2	5962.4	0	0	0	0	4	10150
11	Kozhikode	2	6192	3	6894.33	1	4730	1	8299	1	4730	3	6894.33
12	Wayanad	0	0	0	0	0	0	0	0	00	0	0	0
13	Kannur	3	5348	4	7224	0	0	1	12852	0	0	4	7224
14	Kasaragod	4	8751.60	4	8751.6	0	0	0	0	0	0	4	8751.60
	<b>Total</b>	<b>29</b>	<b>8149.86</b>	<b>37</b>	<b>8595.67</b>	<b>13</b>	<b>6328.60</b>	<b>8</b>	<b>10211.70</b>	<b>11</b>	<b>6395.18</b>	<b>39</b>	<b>8460.63</b>

Table 14(i)

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

STATE : KERALA

YEAR : 2013-14

STATE SAMPLE

SEASON : : Annual

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	0	0				
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	4	4				
Total		40	40				
% to col.3							

Table 14(ii)

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

**CENTRAL SAMPLE**

**YEAR : 2013-14**

**CROP : Pepper**

**STATE : KERALA**

**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	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	3				
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	4	4				
	<b>Total</b>	<b>40</b>	<b>39</b>				

Table 14(iii)

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

Sl.No.	District	STATE: KERALA		YEAR: 2013-14		CROP: PEPPER		STATE SAMPLE												
		HY varieties		Other Varieties		Both Hy & Others														
	No. of expts. Checked at harvest	Irrigated		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							
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	405.31	4	405.31	0	0	4	405.31	4	405.31
2	Kollam	4	0	0	0	0	0	0	0	0	4	76.44	4	76.44	0	0	4	76.44	4	76.44
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	Kottm	4	0	0	0	0	0	0	0	0	4	458.10	4	458.10	0	0	4	458.10	4	458.10
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	1	44.7	3	282.79	4	223.28	1	44.73	3	282.79	4	223.28
8	Thrs	4	0	0	2	909.24	2	909.24	2	400	0	0	2	400.36	2	400.36	2	909.24	4	654.80
9	Pakkd	4	0	0	2	2102.99	2	2102.99	0	0	2	673.13	2	673.13	0	0	4	1388.06	4	1388.06
10	Mlp	4	0	0	1	43.26	1	43.26	0	0	3	63.79	3	63.79	0	0	4	58.66	4	58.66
11	Kozhi	4	0	0	0	0	0	0	0	0	4	171.58	4	171.58	0	0	4	171.58	4	171.58
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	2	1429.12	0	0	2	1429.12	2	362	0	0	2	362.23	4	895.68	0	0	4	895.65
14	Ksrgd	4	1	929.77	0	0	1	929.77	2	287	1	496.42	3	356.85	3	501.31	1	496.42	4	500.08
	State	40	3	1262.67	5	1213.55	8	1231.97	7	306	25	293.13	32	296.01	10	593.21	30	446.53	40	483.20

Table 14(iv)

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

STATE:KERALA

YEAR: 2013-14

SEASON:ANNUAL PEPPER

CENTRAL SAMPLE

Sl.No	District	HY varieties				Other Varieties				Both Hy & Others										
		Irrigated		Un irrigated		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					
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	438.31	4	438.31	0	0	4	438.31	4	438.31
2	Kollam	4	0	0	0	0	0	0	2	550	2	666.17	4	608.06	2	549.95	2	666.17	4	608.06
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	Kottm	3	0	0	0	0	0	0	1	268	2	365.53	3	332.90	1	267.64	2	365.53	3	332.9
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekm	4	1	462.69	1	238.31	2	350.50	0	0	2	537.11	2	537.11	1	462.69	3	437.51	4	443.81
8	Thrs	4	0	0	0	0	0	0	4	247	0	0	4	246.93	4	246.93	0	0	4	246.93
9	Pakkd	4	0	0	0	0	0	0	1	231	3	268.62	4	259.21	1	230.98	3	268.62	4	259.21
10	Mlp	4	0	0	2	482.49	2	482.49	0	0	2	114.02	2	114.02	0	0	4	298.25	4	298.25
11	Kozhi	4	0	0	0	0	0	0	1	969	3	243.15	4	424.52	1	968.64	3	243.15	4	424.52
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	299.17	2	299.17	0	0	2	365.90	2	365.90	0	0	4	332.53	4	332.53
14	Ksrgd	4	0	0	0	0	0	0	0	0	4	899.34	4	899.34	0	0	4	899.34	4	899.34
	State	39	1	462.69	5	360.32	6	377.38	9	395	24	457.64	33	440.55	10	401.75	29	440.86	39	430.83

Table 14(v)

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

STATE : KERALA      YEAR : 2013-14      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(KG/Ha)		Yield Rate (KG/Ha)		No. of Experiments					Rate of application					Yield Rate (KG/Ha)	No.
		No.	Yield	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate (KG/Ha)	N	P	K	Yield Rate (KG/Ha)	No.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
1	Thiruvananthapuram	4	405.31	0	0	0	0	0	0	0	0	0	0	4	405.31		
2	Kollam	4	76.44	0	0	0	0	0	0	0	0	0	0	4	76.44		
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	458.10	0	0	0	0	0	0	0	0	0	0	4	458.10		
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7	Ernakulam	4	223.28	0	0	0	0	0	0	0	0	0	0	4	223.28		
8	Thrissur	4	654.80	0	0	0	0	0	0	0	0	0	0	4	654.80		
9	Palakkad	4	1388.06	0	0	0	0	0	0	0	0	0	0	4	1388.06		
10	Malappuram	4	58.66	0	0	0	0	0	0	0	0	0	0	4	58.66		
11	Kozhikode	4	171.58	0	0	0	0	0	0	0	0	0	0	4	171.58		
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
13	Kannur	4	895.67	0	0	0	0	0	0	0	0	0	0	4	895.67		
14	Kasargod	4	500.08	0	0	0	0	0	0	0	0	0	0	4	500.08		
	State	40	483.20	0	0	0	0	0	0	0	0	0	0	40	483.20		

Table 14(v)

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

STATE : KERALA      YEAR : 2013-14      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	2	713.46	2	713.46	2	97.15	0	0	2	97.15	2	713.46
2	Kollam	0	0	0	0	4	76.44	0	0	4	76.44	0	0
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	316.76	1	316.76	3	505.21	0	0	3	505.21	1	316.76
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	0	0	0	0	4	223.27	0	0	4	223.27	0	0
8	Thrissur	2	400.36	2	400.36	2	909.24	0	0	2	909.24	2	400.36
9	Palakkad	1	158.38	1	158.38	3	443.04	0	0	3	1272.93	1	158.38
10	Malappuram	0	0	0	0	4	58.66	0	0	4	58.66	0	0
11	Kozhikode	0	0	0	0	4	171.58	0	0	4	171.58	0	0
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	1444.52	1	1444.52	3	712.72	0	0	3	712.72	1	1444.52
14	Kasargod	3	501.30	3	501.30	1	496.41	0	0	1	496.41	3	501.30
	State	10	565.12	10	565.12	30	320.40	0	0	30	341.28	10	565.12



**Table 14(vi)**  
**CROP WISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS**

STATE : KERALA      YEAR : 2013-14      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	4	438.31	0	0	0	0	0	0	0	0	0	0	4	438.31
2	Kollam	4	608.06	0	0	0	0	0	0	0	0	0	0	4	608.06
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	3	332.90	0	0	1	1	0	1	118.06	95	87	0	2	440.32
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	443.81	0	0	0	0	0	0	0	0	0	0	4	443.81
8	Thrissur	4	246.93	00	0	1	1	1	1	218.51	4	4	4	3	256.40
9	Palakkad	4	259.21	0	0	0	0	0	0	0	0	0	0	4	259.21
10	Malappuram	4	298.25	0	0	0	0	0	0	0	0	0	0	4	298.25
11	Kozhikode	4	424.52	0	0	0	0	0	0	0	0	0	0	4	424.52
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	332.53	0	0	0	0	0	0	0	0	0	0	4	332.53
14	Kasargod	4	899.34	0	0	0	0	0	0	0	0	0	0	4	899.34
	<b>Total</b>	<b>39</b>	<b>430.83</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>168.28</b>	<b>49.5</b>	<b>45.5</b>	<b>4</b>	<b>37</b>	<b>445.03</b>

Table 14(vi)

## CROP WISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL 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	2	633.90	2	633.90	2	242.71	0	0	2	242.71	2	633.90
2	Kollam	2	549.95	2	549.95	2	666.17	0	0	2	666.17	2	543.94
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	3	267.64	2	192.85	1	613.01	1	118.06	1	613.01	2	192.84
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	2	350.50	2	350.50	2	537.11	0	0	2	537.11	2	350.49
8	Thrissur	2	273.87	3	255.42	1	221.45	1	218.51	1	221.45	3	255.41
9	Palakkad	1	230.98	1	230.98	3	268.62	0	0	3	268.62	1	230.97
10	Malappuram	0	0	0	0	4	298.25	0	0	4	298.25	0	0
11	Kozhikode	2	296.24	2	296.24	2	552.81	0	0	2	552.81	2	296.23
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	332.53	4	332.53	0	0	0	0	0	0	4	332.53
14	Kasargod	4	899.34	4	899.34	0	0	0	0	0	0	4	899.34
	Total	20	481.75	22	453.25	17	401.82	2	168.28	17	401.82	22	453.25

Table 15(i)  
CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2013-14

STATE SAMPLE

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	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	3				
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	4	4				
	<b>Total</b>	<b>40</b>	<b>39</b>				

Table 15(ii)

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

STATE : KERALA

YEAR : 2013-14

CENTRAL 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	0	0				
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	4	4				
	<b>Total</b>	<b>40</b>	<b>40</b>				

Table 15(iii)

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

Sl.No	Dist	STATE : KERALA		YEAR :2013-14		CROP: ARECANUT		STATE SAMPLE		Other Varieties		Both Hy & Others		Total						
		HY varieties		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Total				
		No. of expts. Checked at harvest	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			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpim	4	0	0	3	898.03	3	898.03	0	0	1	247.22	1	247.22	0	0	4	735.33	4	735.33
2	Kollam	4	0	0	0	0	0	0	0	0	4	845.11	4	845.11	0	0	4	845.11	4	845.11
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	Kottm	3	0	0	0	0	0	0	0	0	3	550.78	3	550.78	0	0	3	550.78	3	550.78
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	1	1061	3	921.28	4	956.14	1	1060.74	3	921.28	4	956.14
8	Thrs	4	1	1475.2	2	1043.19	3	1187.2	1	1495	0	0	1	1495.38	2	1485.31	2	1043.20	4	1264.25
9	Pakkd	4	1	1064.8	0	0	1	1064.8	0	0	3	551.82	3	551.82	1	1064.8	3	551.82	4	680.07
10	Mlp	4	0	0	0	0	0	0	4	901	0	0	4	901.25	4	901.25	0	0	4	901.25
11	Kozhi	4	0	0	0	0	0	0	1	1378	3	486.70	4	709.45	1	1377.69	3	486.70	4	709.45
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	1	1263	3	958.45	4	1034.50	1	1262.65	3	958.45	4	1034.50
14	Ksrgd	4	0	0	0	0	0	0	4	1670	0	0	4	1669.81	4	1669.81	0	0	4	1669.81
	State	39	2	1270	5	956.10	7	1045.79	12	1290	20	701.74	32	922.36	14	1287.20	25	752.61	39	944.51

**Table 15(iv)**  
**ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES**

Sl.No		STATE : KERALA		YEAR : 2013-14		CENTRAL SAMPLE													
		CROP: ARECANUT		HY varieties				Other Varieties				Both Hy & Others							
District	No. of expts. Checked at harvest	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	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	4	0	0	0	0	0	0	0	0	4	792.38	4	792.38	0	0	4	792.38	4	792.38
2	4	0	0	0	0	0	0	0	0	4	1428.82	4	1428.82	0	0	4	1428.82	4	1428.82
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	4	0	0	0	0	0	0	0	0	4	942.68	4	942.68	0	0	4	942.68	4	942.68
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	4	0	0	0	0	0	0	0	0	4	1378.01	4	1378.01	0	0	4	1378.01	4	1378.01
8	4	0	0	0	0	0	0	4	480	0	0	4	479.62	4	479.62	0	0	4	479.62
9	4	0	0	0	0	0	0	3	1566	1	760.36	4	1364.62	3	1566.03	1	760.36	4	1364.62
10	4	0	0	0	0	0	0	1	1032	3	930.67	4	956.08	1	1032.34	3	930.67	4	956.08
11	4	0	0	1	1732.68	1	1732.68	0	0	3	714.2	3	714.20	0	0	4	968.82	4	968.82
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	4	0	0	0	0	0	0	0	0	4	2409.45	4	2409.45	0	0	4	2409.45	4	2409.45
14	4	1	2013.71	0	0	1	2013.71	2	2407	1	1043.83	3	1952.43	3	2275.72	1	1043.83	4	1967.75
<b>State</b>	<b>40</b>	<b>1</b>	<b>2013.71</b>	<b>1</b>	<b>1732.68</b>	<b>2</b>	<b>1873.19</b>	<b>10</b>	<b>1246</b>	<b>28</b>	<b>1233.72</b>	<b>38</b>	<b>1237.01</b>	<b>11</b>	<b>1316.01</b>	<b>29</b>	<b>1250.92</b>	<b>40</b>	<b>1268.82</b>

Table 15(v)

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

STATE : KERALA      YEAR : 2013-14      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			
		Yield Rate (KG/Ha)		Yield Rate (KG/Ha)		No. of Experiments			Rate of application			Yield Rate (KG/Ha)	No.		
		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	735.33	0	0	0	0	0	0	0	0	0	0	4	735.33
2	Kollam	4	845.10	0	0	0	0	0	0	0	0	0	0	4	845.10
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	3	550.77	0	0	0	0	0	0	0	0	0	0	3	550.77
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	956.14	0	0	0	0	0	0	0	0	0	0	4	956.14
8	Thrissur	4	1264.24	0	0	1	0	0	1	1475.23	90	0	0	3	1193.92
9	Palakkad	4	680.06	0	0	0	0	0	0	0	0	0	0	4	680.06
10	Malappuram	4	901.25	1	1647.54	1	1	1	1	1647.54	72	72	72	3	652.49
11	Kozhikode	4	709.44	0	0	0	0	0	0	0	0	0	0	4	709.44
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	1034.5	0	0	0	0	0	0	0	0	0	0	4	1034.50
14	Kasargod	4	1669.81	0	0	0	0	0	0	0	0	0	0	4	1669.81
	State	39	944.51	1	1647.54	2	1	1	2	1561.39	81	72	72	37	911.17

Table 15(v)

## CROP WISE RATE OF APPLICATION OF 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	1	378.23	1	378.23	3	854.36	0	0	3	854.36	1	378.23
2	Kollam	4	845.10	4	845.10	0	0	0	0	0	0	4	845.10
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	0	0	0	0	3	550.77	0	0	3	550.77	0	0
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	2	1125.18	2	1125.18	2	787.1	0	0	2	787.1	2	1125.18
8	Thrissur	1	1495.38	2	1485.31	2	1043.18	1	1475.24	2	1043.18	2	1485.31
9	Palakkad	2	845.27	2	845.27	2	514.86	0	0	2	514.66	2	845.27
10	Malappuram	2	630.35	2	630.35	2	1172.15	0	0	1	696.76	3	969.41
11	Kozhikode	0	0	0	0	4	709.44	0	0	4	709.44	0	0
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	1262.64	1	1262.64	3	958.45	0	0	3	958.45	1	1262.64
14	Kasargod	4	1669.81	4	1669.81	0	0	0	0	0	0	4	1669.81
	State	17	1082.21	18	1104.04	21	807.77	1	1475.24	20	765.78	19	1132.65



Table 15(vi)

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

STATE : KERALA      YEAR : 2013-14      SEASON : ANNUAL      CROP:ARECANUT      CENTRAL SAMPLE

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.		
		No.		No.		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	792.38	0	0	0	0	0	0	0	0	0	0	4	792.38
2	Kollam	4	1428.82	0	0	0	0	0	0	0	0	0	0	4	1428.82
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	942.67	0	0	0	0	0	0	0	0	0	0	4	942.67
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	1378.01	0	0	0	0	0	0	0	0	0	0	4	1378.01
8	Thrissur	4	479.62	0	0	1	1	1	1	631.29	122	76	36	3	429.06
9	Palakkad	4	1364.61	0	0	0	0	0	0	0	0	0	0	4	1364.61
10	Malappuram	4	956.08	0	0	0	0	0	0	0	0	0	0	4	956.08
11	Kozhikode	4	968.82	0	0	0	0	0	0	0	0	0	0	4	968.82
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	2409.45	0	0	0	0	0	0	0	0	0	0	4	2409.45
14	Kasargod	4	1967.75	0	0	0	0	0	0	0	0	0	0	4	1967.75
	<b>Total</b>	<b>40</b>	<b>1268.82</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>631.29</b>	<b>122</b>	<b>76</b>	<b>36</b>	<b>39</b>	<b>1285.17</b>

**Table 15(vi)**  
**CROP WISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS**

Sl.No.	District	YEAR : 2013-14		SEASON : ANNUAL		CROP: ARECANUT		CENTRAL SAMPLE					
		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	825.13	2	825.13	2	759.63	0	0	2	759.63	2	825.13
2	Kollam	0	0	0	0	4	1428.82	0	0	4	1428.82	0	0
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	0	0	0	0	4	942.67	0	0	4	942.67	0	0
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	0	0	0	0	4	1378.01	0	0	4	1378.01	0	0
8	Thrissur	2	388.39	3	469.36	1	510.40	1	631.29	1	510.40	3	469.36
9	Palakkad	2	1150.90	2	1150.90	2	1578.32	0	0	2	1578.32	2	1150.90
10	Malappuram	3	1120.19	3	1120.19	1	463.73	0	0	1	463.73	3	1120.19
11	Kozhikode	2	698.35	2	698.35	2	1239.28	0	0	2	1239.28	2	305.33
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	0	0	4	2409.45	0	0	4	2409.45	0	0
14	Kasargod	3	2275.72	3	2275.72	1	1043.83	0	0	1	1043.83	3	2275.72
	<b>Total</b>	<b>14</b>	<b>1165.24</b>	<b>15</b>	<b>1129.64</b>	<b>25</b>	<b>1352.33</b>	<b>1</b>	<b>631.29</b>	<b>25</b>	<b>1352.33</b>	<b>15</b>	<b>1077.24</b>

**Table 16(i)**  
**State Wise Position of Supply and Use of Equipments**

**Year : 2013-14**

**State : Kerala**

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										
			And used	But used locally procured one		But not used though required	But not required to be used	Total	Used locally procured one		And also not used though required	As not required	Total					
4	5	6	7	8	9	10	11	12	13	14	15							
Paddy (Autumn)	C	Tape	87	12	1	0	0	100	0	0	0	0	0	0	0	0	100	
		Balance	39	38	0	0	0	77	23	0	0	0	0	0	0	0	100	
	S	Weight	39	34	0	0	4	77	23	0	0	0	0	0	0	0	100	
		Pegs	17	14	12	0	0	43	45	12	0	0	0	0	0	0	100	
	Paddy (Winter)	C	Tape	100	0	0	0	0	100	0	0	0	0	0	0	0	0	100
			Balance	98	2	0	0	0	100	0	0	0	0	0	0	0	0	100
		S	Weight	98	2	0	0	0	100	0	0	0	0	0	0	0	0	100
			Pegs	100	0	0	0	0	100	0	0	0	0	0	0	0	0	100
		C	Tape	82	14	0	0	0	96	0	0	0	0	0	0	0	0	96
			Balance	45	30	0	2	1	78	18	0	0	0	0	0	0	0	96
Paddy (Summer)	C	Weight	44	29	0	2	4	79	17	0	0	0	0	0	0	0	96	
		Pegs	26	21	10	0	0	57	35	4	0	0	0	0	0	0	96	
	S	Tape	100	0	0	0	0	100	0	0	0	0	0	0	0	0	100	
		Balance	92	8	0	0	0	100	0	0	0	0	0	0	0	0	100	
	C	Weight	92	8	0	0	0	100	0	0	0	0	0	0	0	0	100	
		Pegs	100	0	0	0	0	100	0	0	0	0	0	0	0	0	100	
Paddy (Summer)	C	Tape	75	12	0	0	0	87	3	0	0	0	0	0	0	3	90	
		Balance	45	16	0	2	3	66	24	0	0	0	0	0	0	0	90	
	S	Weight	42	14	0	2	4	62	21	0	0	0	0	0	7	0	90	
		Pegs	20	22	2	0	0	44	38	8	0	0	0	0	0	0	90	
	C	Tape	92	4	0	0	2	98	0	0	0	0	0	0	0	0	98	
		Balance	94	4	0	0	0	98	0	0	0	0	0	0	0	0	98	
S	Weight	86	4	0	0	8	98	0	0	0	0	0	0	0	0	98		
	Pegs	95	1	0	0	2	98	0	0	0	0	0	0	0	0	98		

**Table 16(ii)**  
**State Wise Position of Supply and Use of Equipments**

Crop	AGENCY	Item of equipment	No of experiments supervised (harvest & post harvest) for which equipments was													Total of columns 8,13 &14
			And used			Supplied			Not supplied			Information about supply not available				
			Standard	Non standard	Total	But used locally procured one	But not used though required	But not required to be used	Total	Used locally procured one	And also not used though required	As not required	Total	Information about supply not available		
1	C	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
		Tape	36	3	0	0	0	0	39	0	0	0	1	0	40	
		Balance	17	16	0	0	0	0	33	7	0	0	0	7	40	
		Weight	17	15	0	0	0	0	32	7	0	0	1	8	40	
Tapioca	S	Pegs	8	8	4	0	0	20	12	6	0	2	20	0	40	
		Tape	40	0	0	0	0	40	0	0	0	0	0	0	40	
		Balance	40	0	0	0	0	40	0	0	0	0	0	0	40	
		Weight	40	0	0	0	0	40	0	0	0	0	0	0	40	
Banana	C	Pegs	40	0	0	0	12	40	0	0	0	0	0	0	40	
		Tape	8	0	0	0	29	37	0	0	0	12	13	0	50	
		Balance	25	10	0	0	0	35	15	0	0	0	0	15	50	
		Weight	22	14	0	0	0	36	12	0	0	2	14	0	50	
Coconut	S	Pegs	0	0	0	0	29	29	0	0	1	20	21	0	50	
		Tape	0	0	0	0	50	50	0	0	0	0	0	0	50	
		Balance	46	1	0	0	3	50	0	0	0	0	0	0	50	
		Weight	50	0	0	0	0	50	0	0	0	0	0	0	50	
Coconut	C	Pegs	5	0	0	0	45	50	0	0	0	0	0	0	50	
		Tape	0	0	0	0	42	42	0	0	0	8	8	0	50	
		Balance	2	0	0	0	34	36	0	0	0	14	14	0	50	
		Weight	2	0	0	0	34	36	0	0	0	14	14	0	50	
Coconut	S	Pegs	0	0	0	0	36	36	0	0	0	0	0	0	50	
		Tape	0	0	0	0	50	50	0	0	0	0	0	0	50	
		Balance	0	0	0	0	50	50	0	0	0	0	0	0	50	
		Weight	0	0	0	0	50	50	0	0	0	0	0	0	50	

**State Wise Position of Supply and Use of Equipments**

**State : Kerala**

**Year : 2013-14**

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								
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	
		Tape	2	0	0	0	34	36	0	0	0	3	3	0	39	
	C	Balance	22	4	0	0	2	28	28	11	0	0	0	11	0	39
		Weight	24	4	0	0	0	28	28	9	0	0	2	11	0	39
		Pegs	0	0	0	0	26	26	26	3	0	2	8	13	0	39
Pepper		Tape	0	0	0	0	40	40	0	0	0	0	0	0	40	
		Balance	36	0	0	0	4	40	0	0	0	0	0	0	40	
		Weight	39	1	0	0	0	40	40	0	0	0	0	0	40	
		Pegs	4	0	0	0	36	40	40	0	0	0	0	0	40	
		Tape	0	0	0	2	38	40	40	0	0	0	0	0	40	
C		Balance	28	4	0	0	0	32	8	0	0	0	0	0	40	
		Weight	28	4	0	0	0	32	6	0	0	2	8	0	40	
		Pegs	0	0	0	0	38	38	0	0	0	2	8	0	40	
		Tape	0	0	0	0	39	39	39	0	0	2	2	0	40	
		Balance	35	0	0	0	4	39	39	0	0	0	0	0	39	
Areca nut		Weight	35	0	0	0	4	39	0	0	0	0	0	0	39	
		Pegs	0	0	0	0	39	39	0	0	0	0	0	0	39	
		Tape	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Balance	35	0	0	0	4	39	39	0	0	0	0	0	39	
		Weight	35	0	0	0	4	39	39	0	0	0	0	0	39	

Table 17(i)

## Yield Rates(Kg/Ha) of Rice Under GCES and ICS 2013-14

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	2821	2513.08	2390.882	2516	2102.86	2318.09	2707	2531.11	3372.78
2	Kollam	2487	2523.73	2437.352	2350	2121.98	2090.15	1000	1504.02	1212.48
3	Pathanamthitta	2250	2112.60	2357.894	2519	2363.96	2925.49	3200	1338.72	1977.12
4	Alappuzha	3248	2200.85	2564.205	3164	1403.75	1745.28	2552	2322.59	1828.85
5	Kottayam	2562	2328.53	2164.191	3274	2998.32	3080.57	3269	3049.7	2729.04
6	Idukki	2532	2354.17	2359.819	2739	2779.96	2677.60	2692	3155.07	1940.43
7	Eranakulam	2094	2389.19	2075.049	2292	2362.77	2472.96	2171	1550.62	1554.62
8	Thrissur	2294	2358.89	2060.063	2754	2571.13	3493.27	3533	3545.56	3838.61
9	Palakkad	2729	2144.34	2737.489	2995	3245.38	3310.54	2835	2380.75	2803.18
10	Malappuram	2248	2820.17	1752.981	2276	2986.12	1754.91	3684	2554.02	3898.94
11	Kozhikode	1519	1536.21	1236.356	1280	1174.13	1057.47	2552	1743.20	2318.94
12	Wayanad	0	0	0	2680	2497.20	3487.03	2669	2548.92	3272.44
13	Kannur	2201	2244.66	2416.775	2247	1483.62	1953.24	2300	1751.06	1621.32
14	Kasargod	2436	2531.38	2599.512	2004	2121.59	1920.67	2275	2318.98	2325.21
	<b>State</b>	<b>2720</b>	<b>2288.75</b>	<b>2171.943</b>	<b>2833</b>	<b>2334.49</b>	<b>2418.81</b>	<b>2933</b>	<b>2394.14</b>	<b>2657.97</b>



## TREND OF YIELD RATES UNDER ICS AND GCES AUTUMN RICE YIELD RATE 2013-14

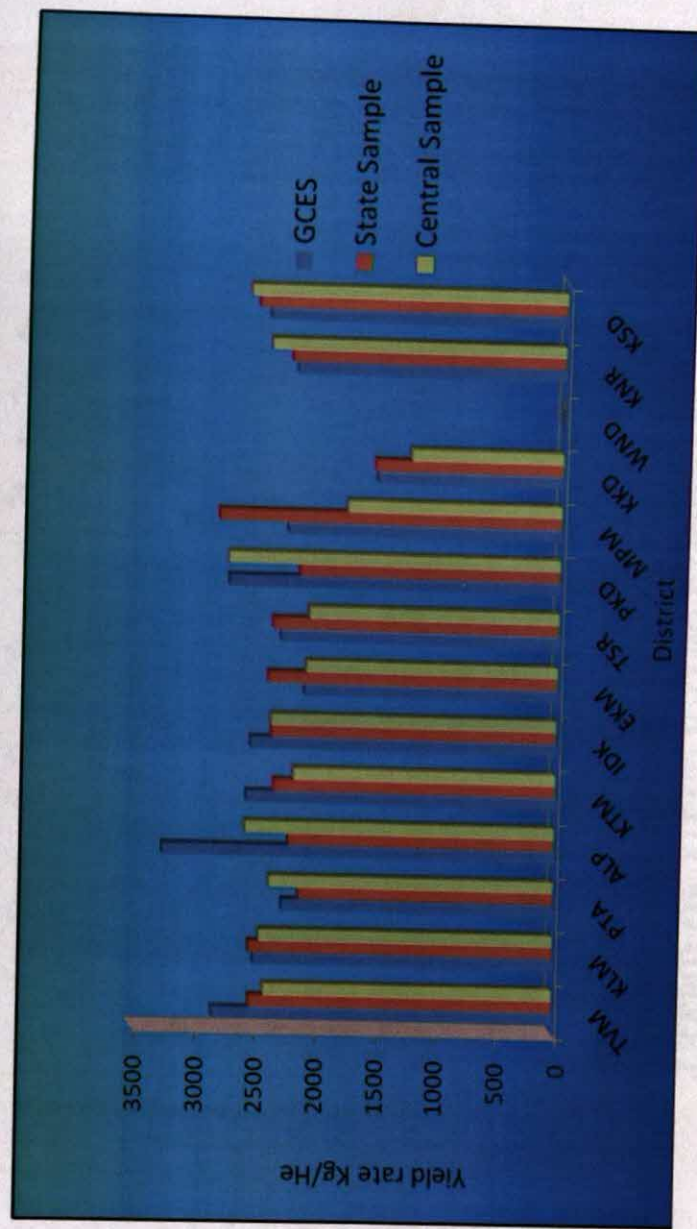


CHART 2

TREND OF YIELD RATES UNDER ICS AND GCES

WINTER RICE YIELD RATE 2013-14

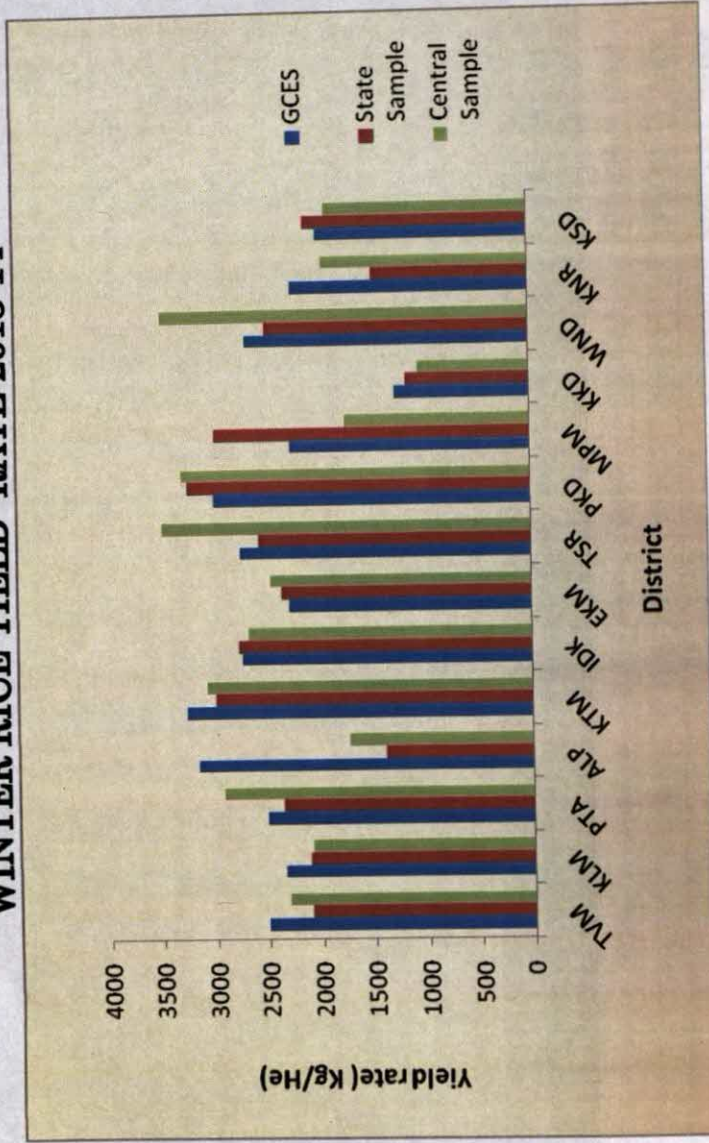




CHART 3

# TREND OF YIELD RATES UNDER ICS AND GCES

## SUMMER RICE YIELD RATE 2013-14

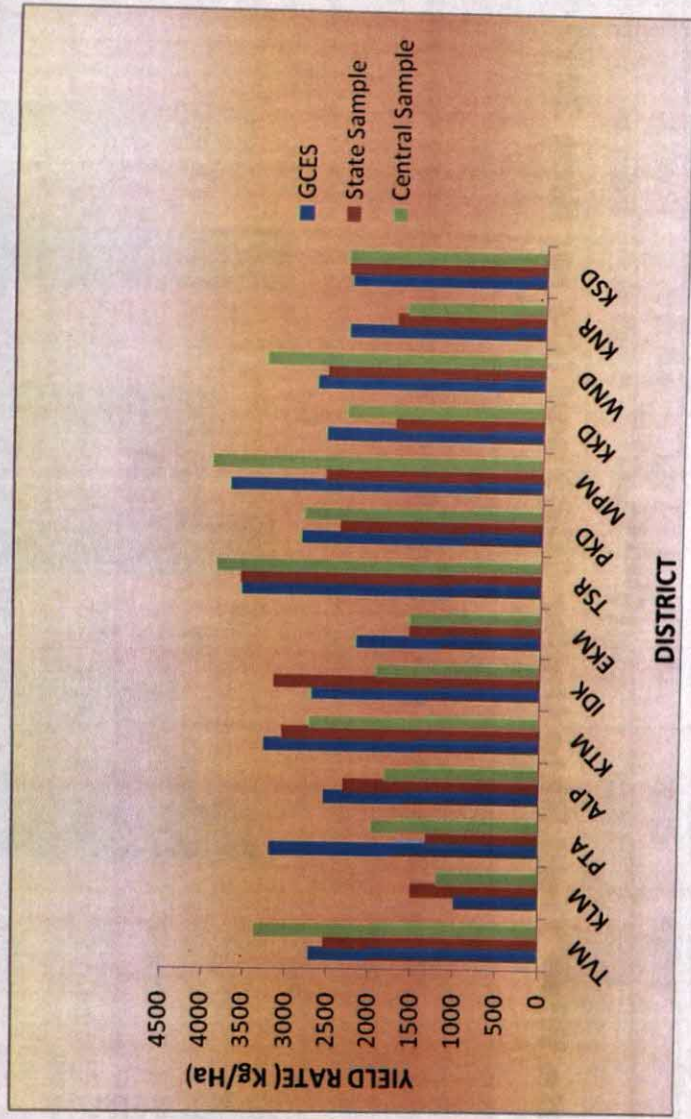
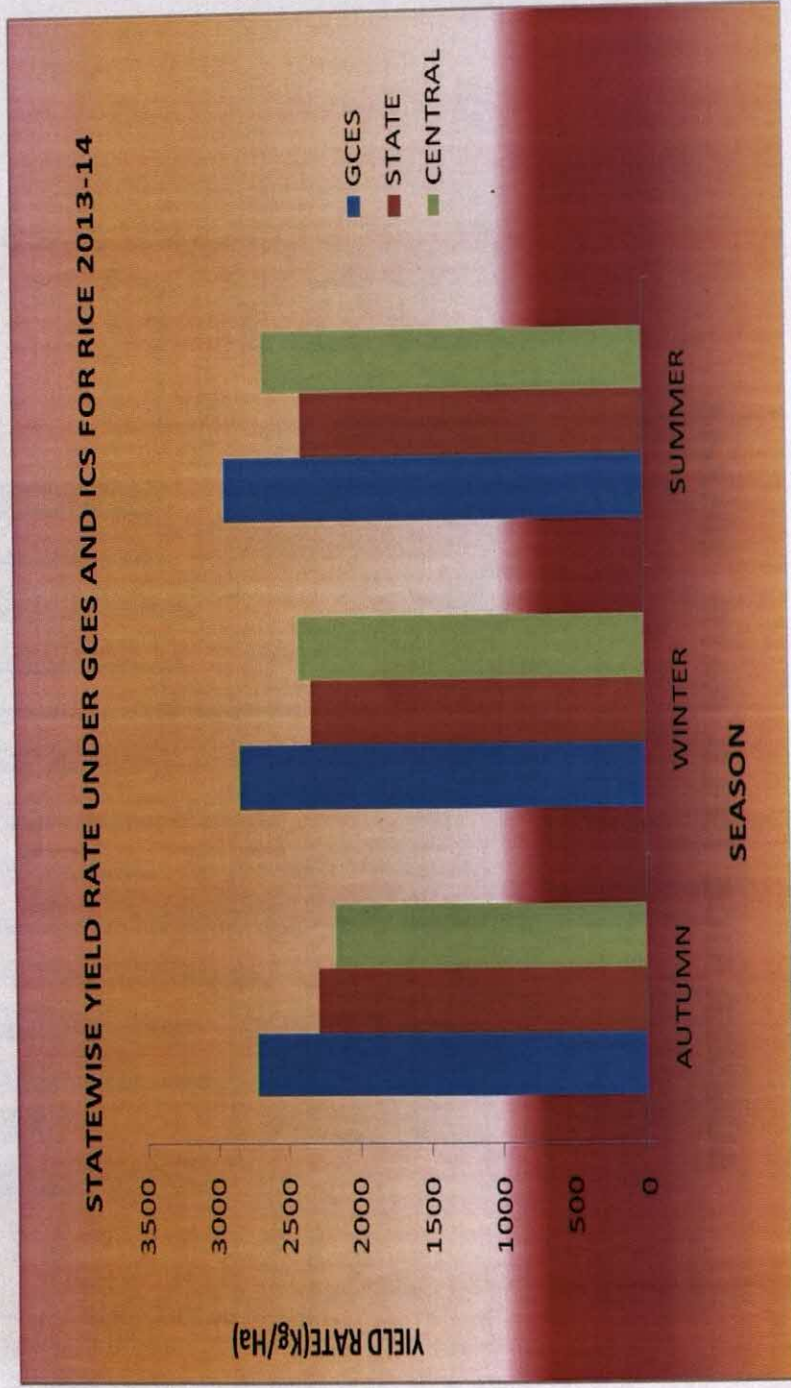


Chart-4

### State Wise Yield Rate Under GCES and ICS for Rice 2013-14





**Table 17(ii)**

**Yield Rate(Kg/Ha) of Important Crops Under GCES and ICS 2013-14**

SI.No.	DISTRICT	TAPIOCA			BANANA			COCONUT		
		GCES	STATE	CENTRAL	GCES	STATE	CENTRAL	GCES	STATE	CENTRAL
1	Thiruvananthapuram	32900	32187.5	28312.5	8004	11086.67	14816.67	7726	7979.05	6571.65
2	Kollam	34425	45750	21000	6931	12350	13766.67	7715	6027	11361
3	Pathanamthitta	42152	0	0	7283	0	0	6280	0	0
4	Alappuzha	27165	0	0	9494	16300	19250	5884	13947.45	10712.4
5	Kottayam	39369	31875	31875	9051	17316.67	13500	4663	4697.3	5103.9
6	Idukki	49512	0	0	9238	20600	17000	5449	8172.5	3885
7	Eranakulam	41299	44531.25	37312.5	9588	16283.33	17191.67	5092	7712.1	6573.05
8	Thrissur	41719	35625	29937.5	9032	15566.67	16233.33	7089	5572.3	10629.6
9	Palakkad	28957	30937.5	14437.5	8452	12994.44	15166.67	6506	6651.8	8508.3
10	Malappuram	34746	33750	39062.5	8684	9900	10800	8864	5788.4	10150
11	Kozhikode	24247	20312.5	21750	7129	13666.67	16333.33	7700	11180	6353.25
12	Wayanad	41702	0	0	8508	0	0	5544	0	0
13	Kannur	38662	25000	38437.5	8894	23583.33	12693.33	6748	6153	7224
14	Kasargod	29686	43750	19062.5	7023	16283.33	15783.33	9735	7211.40	8751.6
	<b>State</b>	<b>36679</b>	<b>34371.88</b>	<b>28118.75</b>	<b>8533</b>	<b>15394.27</b>	<b>15209.47</b>	<b>7322</b>	<b>7553.46</b>	<b>8006.23</b>



Table 17(iii)

## Yield Rate(Kg/Ha) of Important Crops Under GCES and ICS 2013-14

Sl.No.	DISTRICT	PEPPER			ARECANUT		
		GCES	STATE	CENTRAL	GCES	STATE	CENTRAL
1	Thiruvananthapuram	359	405.31	438.31	476	735.33	792.38
2	Kollam	390	76.44	608.06	654	845.11	1428.82
3	Pathanamthitta	446	0	0	688	0	0
4	Alappuzha	238	0	0	393	0	0
5	Kottayam	376	458.1	332.9	698	550.78	942.68
6	Idukki	350	0	0	754	0	0
7	Eranakulam	296	223.28	443.81	879	956.14	1378.01
8	Thrissur	280	654.8	246.93	664	1264.25	479.62
9	Palakkad	400	1388.06	259.21	879	680.07	1364.62
10	Malappuram	233	58.66	298.25	1010	901.25	956.08
11	Kozhikode	246	171.58	424.52	897	709.45	968.82
12	Wayanad	289	0	0	327	0	0
13	Kannur	395	895.68	332.53	1215	1034.5	2409.45
14	Kasargod	618	500.08	899.34	1727	1669.81	1967.75
	<b>State</b>	<b>350</b>	<b>483.2</b>	<b>430.83</b>	<b>1000</b>	<b>944.51</b>	<b>1268.82</b>



**CHART 5**

**YIELD RATE OF TAPIOCA UNDER GCES & ICS IN 2013-14**

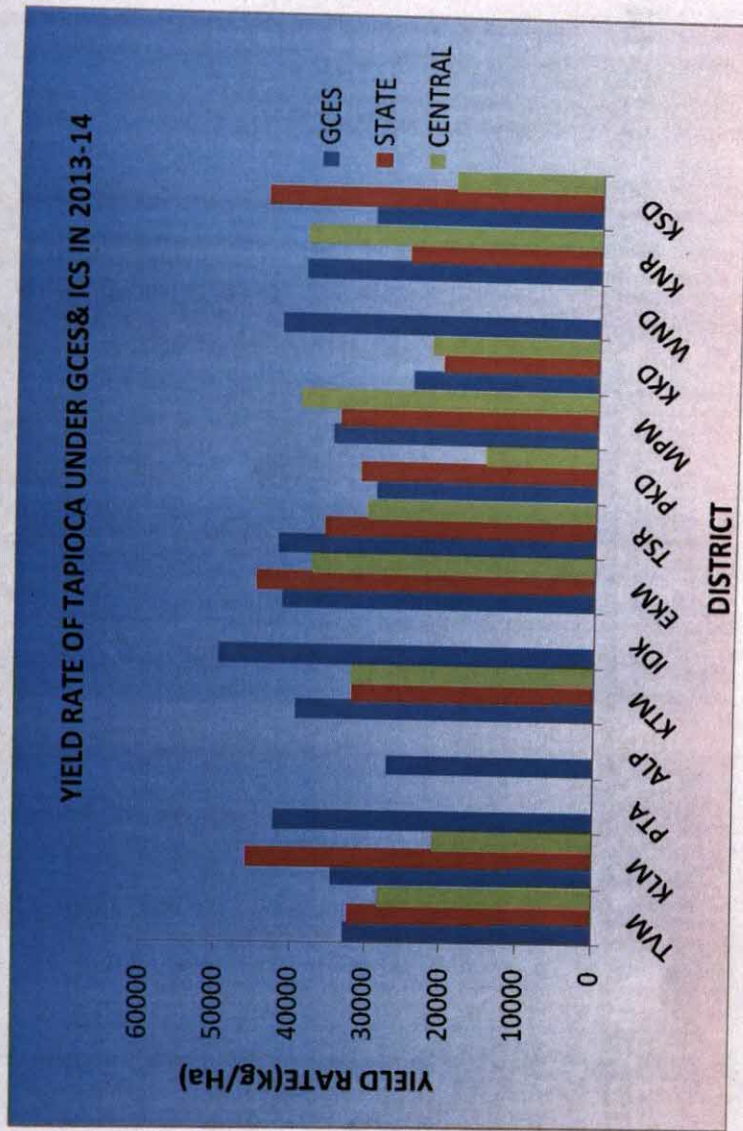


CHART 6

**YIELD RATE OF BANANA UNDER GCES & ICS IN 2013-14**

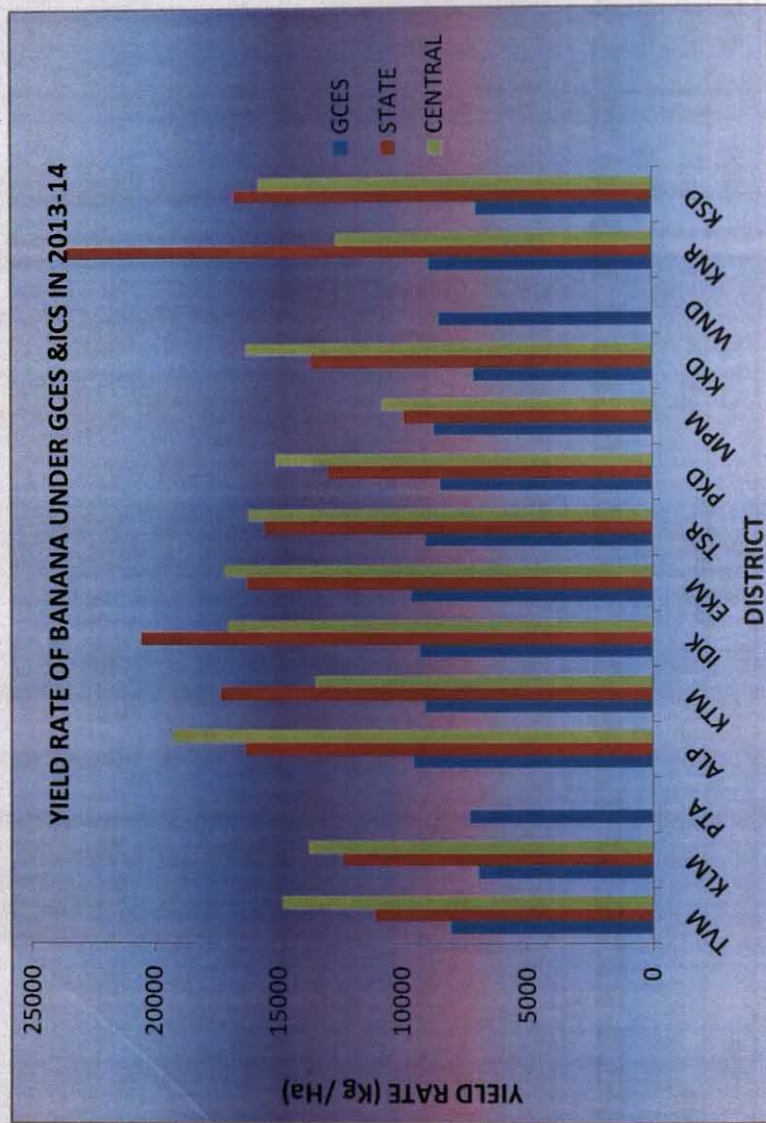
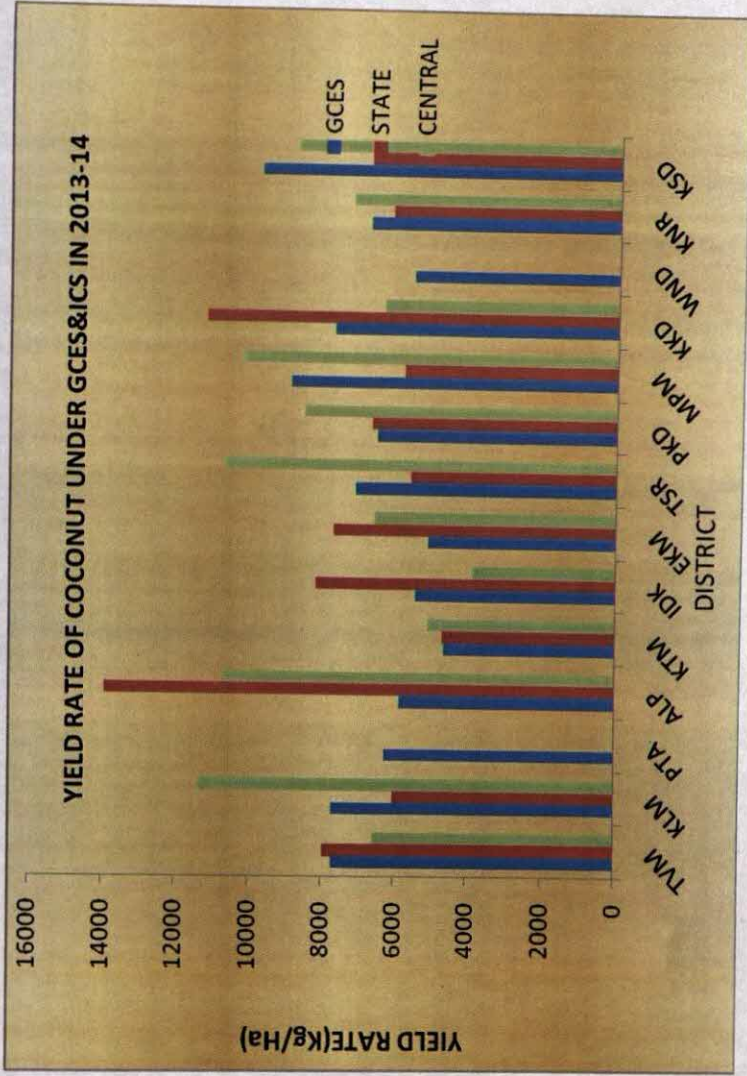




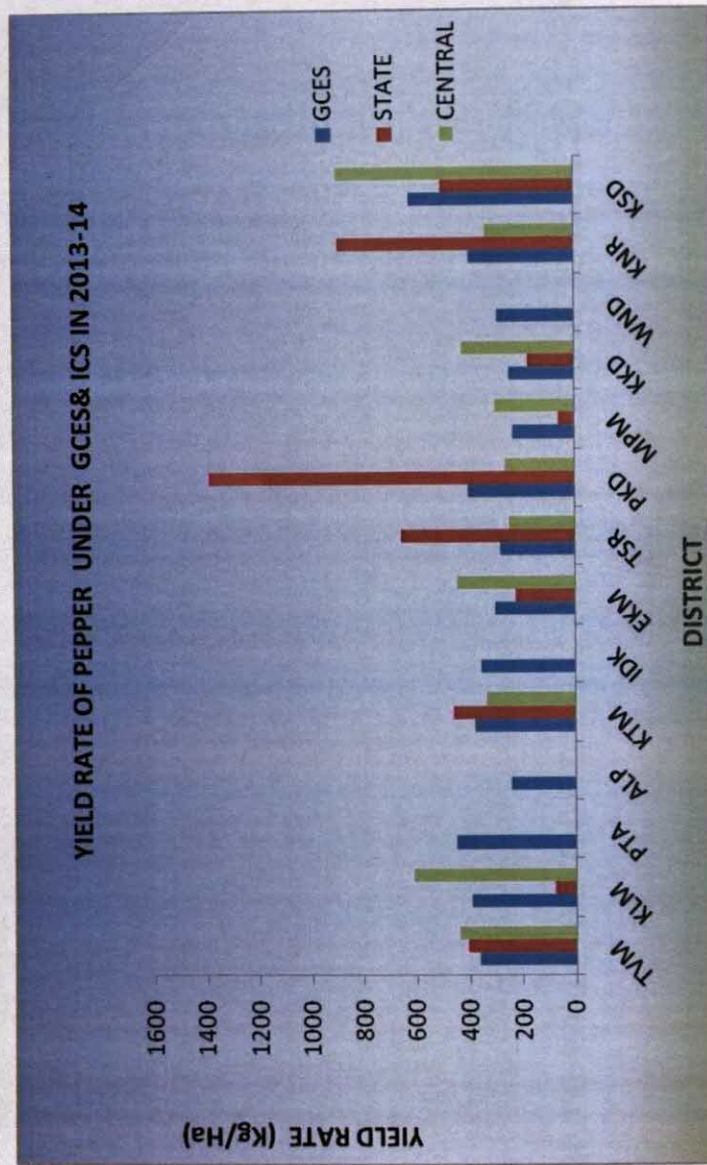
CHART 7

**YIELD RATE OF COCONUT UNDER GCES & ICS IN 2013-14**



**CHART 8**

**YIELD RATE OF PEPPER UNDER GCES & ICS IN 2013-14**





**CHART 9**

**YIELD RATE OF ARECANUT UNDER GCES & ICS IN 2013-14**

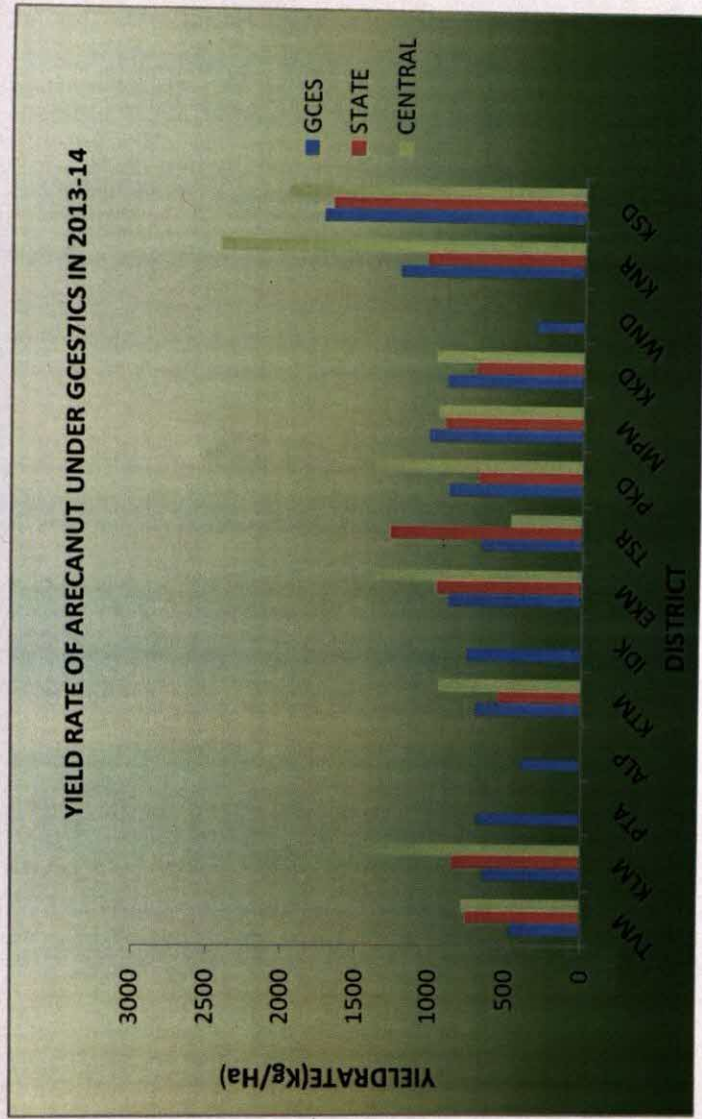
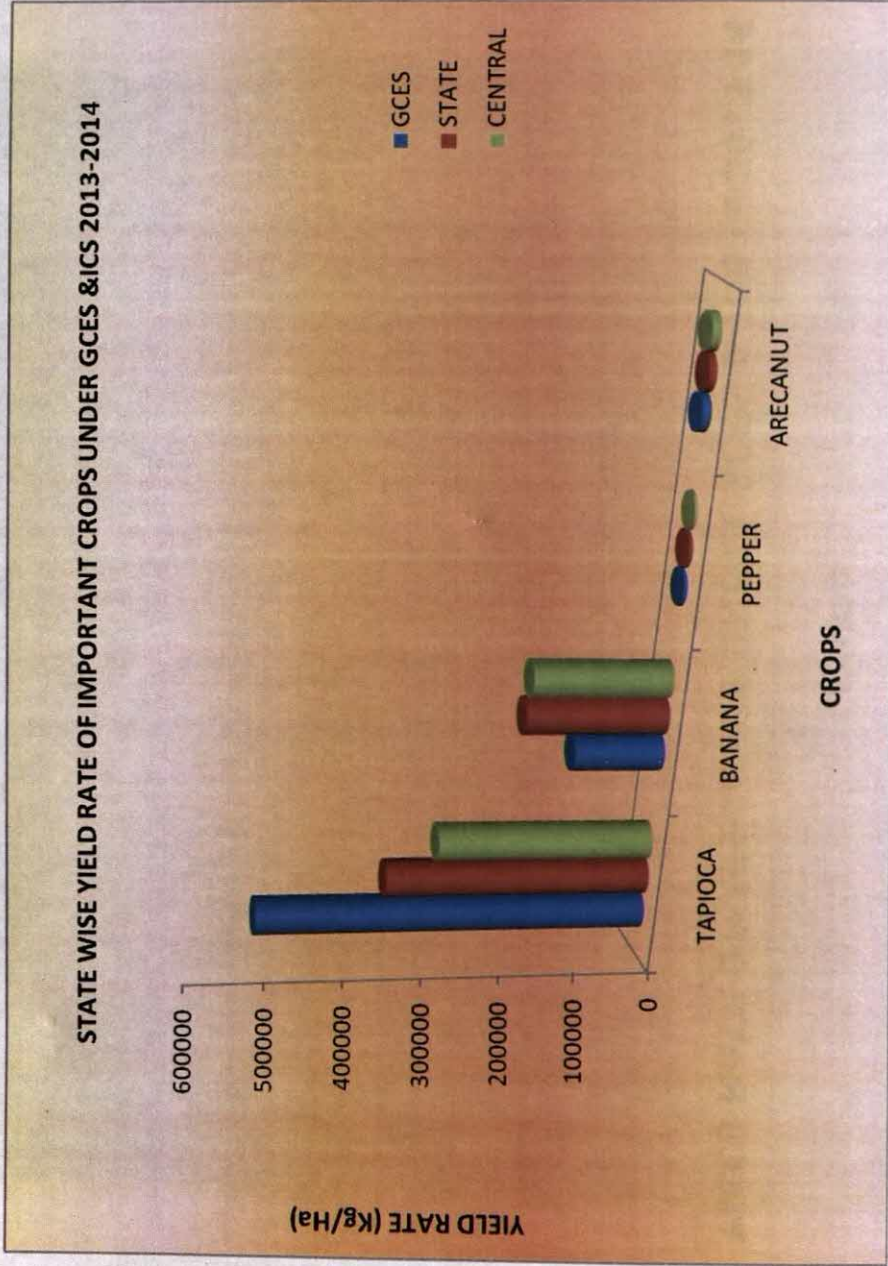


CHART 10

# STATE WISE YIELD RATES OF IMPORTANT CROPS UNDER GCES & ICS 2013-14





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The Director General, Department of Economics and Statistics Kerala

Fax:0471-2305317,Eail:ecostatdir@gmail.com,

Web:www.ecostat.kerala.gov.in