



GOVERNMENT OF KERALA

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

2015 - 16



DEPARTMENT OF ECONOMICS & STATISTICS KERALA



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PREFACE

Collection and compilation of Agricultural statistics is primarily the responsibility of the States. The National Sample Survey Office (NSSO) under Ministry of Statistics & Programme implementation, Govt. of India has the overall responsibility of providing technical guidance to the states in developing suitable survey techniques for obtaining timely and reliable estimates of crop area and yield, and imparting training to the State Govt. field personnel.

The scheme of Improvement of Crop Statistics (ICS) was taken up in the year 1973-74 with the objective of pointing out, through joint efforts of NSSO and State Governments, the deficiencies in the system of crop statistics by exercising technical supervision over the primary field work and suggesting remedial measures for strengthening the system. The report Annual review of crop statistics system in Kerala through the scheme for improvement of crop statistics 2015-16 deals with the findings of the ICS scheme in Kerala during the Agricultural year 2015-16.

This report is being prepared by the Sample Check section in the EARAS unit of the Directorate of Economics and Statistics, Government of Kerala. I express my sincere gratitude to Sri.K.Damodaran (Addl: Director), Smt.C.S. Latha Kumari (Joint Director) Smt.Sangeetha. R (Assistant Director), Sri. T.B. Raju (Research Assistant), Smt. Jayasree K.B and Smt.Sheeja.N (Statistical Assistants - Grade I) for their dedication and painstaking efforts for bringing out this report.

V.RAMACHANDRAN
DIRECTOR GENERAL

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I. INTRODUCTION

Scheme for Improvement of Crop Statistics (ICS)

The scheme ICS was initiated with the objective of pointing out the deficiencies in the system of collection of area and yield statistics through the joint efforts of NSSO (FOD) and State Agricultural Statistics Authority (SASA) and to suggest remedial measures. The scheme Improvement of Crop Statistics was introduced from Rabi season of 1973-74. The responsibility of the data collection rests with the State Government. Crop statistics has two major components – (1) Area sown and (2) Average yield. Land use statistics is collected by Area Enumeration Survey and the yield rate of principal crops are estimated through General Crop Estimation Survey.

In this report the position of crop production and procedure taken for collecting data, Area enumeration and Yield rate and the methods for data collection are contained. The steps taken for Improving Crop Statistics 2015-16 are also included. The reports also included the details of equipment supplied, adequacy of experiments planned under General Crop Estimation Survey (GCES), response rate etc. Besides, the findings of sample check under ICS scheme on working of the system are also brought out indicating the remedial measures to rectify the deficiencies observed.

1. 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) on matching basis in two non-overlapping samples. The basic data collected through these sample checks are being exchanged between the two agencies.

The schedules viz., AS 1.0, AS 1.1 and AS 2.0 are used for recording the findings of sample check on (a) area enumeration (b) area aggregation and (c) crop cutting experiments 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 4 clusters in each selected IV zone. The supervisory officer from NSSO or DES studying the differences on reporting and recording the crop in the concerned survey numbers during each season. And also finding the variation on reporting the land utilisation by all means.

The concurrent inspection of crop cutting experiments at harvest stage consists of examining the conduct of the experiments by the investigator conforms to the procedures prescribed under GCES. The inspection covers aspects such as selection of field and random coordinates, marking of experimental plots of specified shape and size, harvesting of plants, weighing of the produce etc. In addition, 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 and their impact.
- (5) Departures from the prescribed procedure of 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.

2. General Crop Estimation Surveys (GCES)

GCES consists of performing a specified number of crop cutting experiment in randomly selected fields. Crop cutting experiment, conducted under well designed estimation survey, is an effective technique for estimating the average yield by selecting the field, randomly locating a plot of a specified size, harvesting, threshing, weighing and recording the weight of the produce from the plot.

3. Timely Reporting Scheme (TRS)

The Ministry of Agriculture initiated TRS in 1968-69 in land record states in order to reduce the time lag between (a) completion of sowing and the availability of estimates of area sown and (b) the completion of harvesting and availability of estimates of production in respect of important crops. Being a non-land record state Kerala, Agriculture Statistics is being collected under EARAS Scheme.

4. Establishment of an Agency for Reporting Agricultural Statistics (EARAS)

Under the scheme EARAS, collection of data for estimating area and yield statistics for every agricultural year by way of complete enumeration of the villages of the State in a phased manner powering 20 % of the selected villages was done in each year. The first cycle of the survey was completed within a period of six years 1975-76, 1980-81 and the second cycle in 1985-86. During 1993-94 the Investigator Zones were recognized by suiting the villages to Panchayats. From 2000-01 onwards the part Panchayats were discontinued and each Investigator Zone was formed with full Panchayat/Panchayats. Cluster sampling method is being followed in EARAS Scheme in order to obtain representation from the entire area of the Investigator Zone. The production of crops are estimated on the basis of scientifically designed crop cutting experiments conducted by the Investigators under the supervision of Statistical Inspectors/Taluk Statistical Officers/ District Level Officers.

5. District Level Committee (DLC)

District Level Committee is also functioning in every district with representatives of NSSO and State Government officials of DES. The main objective in forming DLC is to probe into the reasons for the differences between the crop wise and non-crop area figures recorded by the State primary worker during the crop inspection and those observed by the Central/State Supervisor during sample check on area enumeration under the scheme Improvement of Crop Statistics (ICS).

Analysis of Data-2015-16

II. Check on Area Enumeration and Area Aggregation

Every year 80 non-overlapping 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 2015-16

The response in sample check on area enumeration i.e., the number of IV zones for which filled in schedules were received during 2015-16 is given in Table 1. The response was 100 % for all season for all district for Central Sample & State Sample.

2. Completion of Area enumeration under EARAS.

The Investigator is required to complete the EARAS according to a prescribed time schedule and to submit the filled up schedules immediately after the completion of work. The sample checks are conducted after the completion of area enumeration.

Timeliness in completion of area enumeration during 2015-16 is given in Table-2, 98.75%, 100% and 93.75% for Central sample and 100% for all season for State sample were completed girdawari in time during Autumn, Winter and Summer seasons respectively. 1.25% and 1.25% of Area Enumeration work during Autumn & Summer season are completed after the due date. Regarding the Central Sample, the date of completion of 5% work of Summer season is not known.

3. Submission of EARAS Statement

The details of season wise submission of EARAS statement during 2015-16 are indicated in Table 3. Timely submission of these statements still needs considerable improvement in almost all districts.

4. Discrepancies in recording crop and crop areas

Details of crop and its 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 type 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 2015-16 are given in Table- 4. The error, which non-reporting of the actual grown area of the crop (E1) for State Sample is 0.69%, 2.06% for Autumn and Summer Season, for Central Sample E2 is 1% and during winter E1 is 0.61%. No error reported for State Sample in connection with E2. Reporting of incorrect area of crops (E3) for Central Sample is 5.52% for Winter season and 6.98% for Summer season. For State Sample E3 is 1.39 % for autumn and 0.31% for Winter Season.

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. In Autumn season there is a slight discrepancy in Kannur District for State Sample. There were no discrepancy for Winter Season. But a slight discrepancy in Kottayam district for summer season.

III. Check on Crop Cutting Experiments

1. Sample Check on Crop Cutting Experiments.

Table 6 reflects the percentage of crop cutting experiments during each season for each district for the year 2015-16. For Central Sample the response is 100% for all and 100 % Autumn, 100 % Winter & 98 % for Summer is the response of State sample.

2. Distribution of number of experiments conducted by important inputs

Table 7(i), 7(ii) and 7(iii) shows the details of paddy crop cutting experiments conducted according to the percentage of experiments, irrigated, sown with high yielding varieties of seeds and applied with fertilizer. More care may be given to attend the programme of ICS and procedure followed by the supervisory officer in time. The extent of participation at harvest stage is presented in the table.

Central personnel were able to participate at harvest stage to the extent of 100% for all season and State personnel's were able to participate 100% Autumn, Winter and 98 % for Summer. The extent of participation is 100% for Central & State for the crop Tapioca, Pepper, Coconut, Arecanut and Banana [Tables 7(iv), 7(v), 7(vi) 7(vii) & 7(viii)] during 2015-16.

3. Procedural Deviations and Discrepancies

At the time of Sample Check work the officer who attends may examine, if there is any deviation from the guidelines and procedure, most probably occur on crop cutting experiment.

Incidences of deviation and departure 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 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 weighment of produce

E14 - Inadequate arrangement for storing the produce for driage

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

The information on supply and use of crop cutting equipments such as Tapes, Pegs, Balance and set of Weights collected during the Sample Checks Survey 2015-16 is presented in Tables 16 (i) & 16(ii). In most the district standard equipment which supplied is used and some district was in a practise to use non-standard equipments on which the experiments to be left.

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 8 (iii), 8(iv), 8(v), 8(vi), 9(iii), 9(iv), 9(v), 9(vi), 10 (iii), 10 (iv), 10(v) & 10 (vi).

Crop wise number of experiments planned for Sample Check at harvest and the response received 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.

Comparison of ICS and GCES yield Estimates

The yield rates of rice under ICS and GCES during the year 2015-16 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 2015-16 are given in Chart I, II and III respectively. State wise yield rate under GCES and ICS for paddy is given in Chart IV.

Yield rates of rice under ICS are lower as compared to GCES for state and central samples during three seasons. The yield rates of important crops under GCES and ICS for the year 2015-16 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 V to IX. A graphical representation of State wise yield rate of important crops during 2015-16 is given in Chart-X.

Table-1 RESPONSE IN SAMPLE CHECK ON ENUMERATION OF AREA DURING 2015-16						
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	8	100	100	100
		S	8	100	100	100
7	Eranakulam	C	5	100	100	100
		S	5	100	100	100
8	Thrissur	C	6	100	100	100
		S	6	100	100	100
9	Palakkad	C	9	100	100	100
		S	9	100	100	100
10	Malappuram	C	7	100	100	100
		S	7	100	100	100
11	Kozhikkode	C	6	100	100	100
		S	6	100	100	100
12	Wayanad	C	5	100	100	100
		S	5	100	100	100
13	Kannur	C	7	100	100	100
		S	7	100	100	100
14	Kazaragod	C	5	100	100	100
		S	5	100	100	100
For District Covered		C	80	100	100	100
		S	80	100	100	100
C - Central Sample S -State Sample						

Table-2

TIMELINESS IN COMPLETION OF GIRDAWARI DURING 2015-16

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				100				100		
		S	100				100				100		
2	Kollam	C	80	20			100				100		
		S	100				100				100		
3	Pathanamthitta	C	100				100				100		
		S	100				100				100		
4	Alappuzha	C	100				100				66.67	33.33	
		S	100				100				100		
5	Kottayam	C	100				100				100		
		S	100				100				100		
6	Idukki	C	100				100				100		
		S	100				100				100		
7	Eranakulam	C	100				100				100		
		S	100				100				100		
8	Thrissur	C	100				100				100		
		S	100				100				100		
9	Palakkad	C	100				100				100		
		S	100				100				100		
10	Malappuram	C	100				100				100		
		S	100				100				100		
11	Kozhikkode	C	100				100				100		
		S	100				100				100		
12	Wayanad	C	100				100				100		
		S	100				100				100		
13	Kannur	C	100				100				100		
		S	100				100				100		
14	Kazaragod	C	100				100				20		80
		S	100				100				100		
For District Covered		C	98.75	1.25			100				93.75	1.25	5
		S	100	0			100				100		

Table-3											
TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2015-16											
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			100					
			S			100					
		Winter	C			100					
			S			100					
		Summer	C			100					
			S			100					
2	Kollam	Autumn	C	20		80					
			S			100					
		Winter	C			80	20				
			S			100					
		Summer	C			80	20				
			S			100					
3	Pathanamthitta	Autumn	C			100					
			S			100					
		Winter	C			100					
			S			100					
		Summer	C			100					
			S			100					
4	Alappuzha	Autumn	C			100					
			S			100					
		Winter	C			100					
			S			100					
		Summer	C			66.67	33.33				
			S			100					
5	Kottayam	Autumn	C	16.67		66.67	16.66				
			S			100					
		Winter	C			100					
			S			100					
		Summer	C			100					
			S			100					

TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2015-16

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			100					
			S			100					
		Winter	C			50	50				
			S			100					
		Summer	C			100					
			S			100					
7	Ernakulam	Autumn	C			80	20				
			S			100					
		Winter	C			60		40			
			S			100					
		Summer	C			100					
			S			60	40				
8	Thrissur	Autumn	C			100					
			S			100					
		Winter	C			100					
			S			100					
		Summer	C			100					
			S			100					
9	Palakkad	Autumn	C				88.89	11.11			
			S			100					
		Winter	C			100					
			S			100					
		Summer	C			100					
			S			100					
10	Malappuram	Autumn	C			100					
			S			100					
		Winter	C			100					
			S			100					
		Summer	C			85.71		14.29			
			S			100					

TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2015-16

Sl. No.	District	Season	Agency	Percentage of villages for which					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			100					
			S			100					
		Winter	C			100					
			S			100					
		Summer	C			100					
			S			100					
12	Wayanad	Autumn	C			100					
			S			100					
		Winter	C			100					
			S			100					
		Summer	C			100					
			S			100					
13	Kannur	Autumn	C			100					
			S			100					
		Winter	C				100				
			S			100					
		Summer	C			85.71		14.29			
			S			100					
14	Kasargod	Autumn	C			100					
			S			100					
		Winter	C				100				
			S			100					
		Summer	C			80		20			
			S			100					
	For District Covered	Autumn	C	2.5		83.75	12.5	1.25			
			S			100					
		Winter	C			76.25	21.25	2.5			
			S			100					
		Summer	C			93.75	2.5	3.75			
			S			97.5	2.5				
C - Central Sample S - State Sample											

Table-4														
PERCENTAGE OF SURVEY NUMBERS IN WHICH ERRORS IN RECORDING CROP AREAS WERE OBSERVED : 2015-16														
Sl. No.	District	Agency	Percentage of survey numbers with different types of errors in enumeration of area during											
			AUTUMN				WINTER				SUMMER			
			e ₀	e ₁	e ₂	e ₃	e ₀	e ₁	e ₂	e ₃	e ₀	e ₁	e ₂	e ₃
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	C												
		S	100				100							
2	Kollam	C	100				100							
		S	100				100							
3	Pathanamthitta	C												
		S					100				100			
4	Alappuzha	C					100							
		S	100								100			
5	Kottayam	C	100				100				72.73			27.27
		S	100				90.91			9.09	91.3	8.7		
6	Idukki	C	100				91.67			8.33				
		S	100				100							
7	Eranakulam	C	100				100							
		S					100				100			
8	Thrissur	C	100				59.09			40.91	100			
		S	66.67			33.33	100				100			
9	Palakkad	C	100				100				100			
		S	98.91	1.08			100				100			
10	Malappuram	C	100				85.19	7.41		7.40	100			
		S	100				100				100			
11	Kozhikkode	C	66.67		33.33		90			10	100			
		S					100							
12	Wayanad	C					94.34			5.66				
		S					100				100			
13	Kannur	C	100				100							
		S	100				100							
14	Kazaragod	C	100				100							
		S	100				100							
For District Covered		C	99		1		93.87	0.61		5.52	93.02			6.98
		S	97.92	0.69		1.39	99.69			0.31	97.94	2.06		

Table 5 (a)														
DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY DURING 2015-16														
Autumn														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	C												
		S		100		100								
2	Kollam	C		100		100								
		S		100		100								
3	Pathanamthitta	C												
		S												
4	Alappuzha	C												
		S		100		100								
5	Kottayam	C		100		100								
		S		100		100								
6	Idukki	C		100		100								
		S		100		100								
7	Eranakulam	C			100	100								
		S				100								
8	Thrissur	C		100		100								
		S		100		100								
9	Palakkad	C		82.14	17.86	100								
		S		100		100								
10	Malappuram	C		100		100								
		S		100		100								
11	Kozhikkode	C		66.67		66.67			33.33	33.33	33.33			33.33
		S												
12	Wayanad	C												
		S												
13	Kannur	C		100		100								
		S		81.82		81.82	18.18			18.18		18.18		18.18
14	Kasaragod	C		66.67	33.33	100								
		S		100		100								
	For District Covered	C		90.09	8.91	99			0.99	0.99	0.99			0.99
		S		98.61		98.61	1.39			1.39		1.39		1.39
				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 2015-16
WINTER SEASON

Sl. No	District	Agency	Percentage of survey numbers in which particulars													
			Tallied				Not Tallied									
							Supervisor					Patwari				
			HY &L	HY	L	Total	HY &L	HY	L	NR	Total	HY	L	NR	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Thiruvanantha-puram	C														
		S		100		100										
2	Kollam	C		50	50	100										
		S		36.36	63.64	100										
3	Pathanam thitta	C														
		S		100		100										
4	Alappuzha	C		100		100										
		S														
5	Kottayam	C		100		100										
		S		100		100										
6	Idukki	C		91.67	8.33	100										
		S		100		100										
7	Eranakulam	C		100		100										
		S		100		100										
8	Thrissur	C		100		100										
		S		91.67	8.33	100										
9	Palakkad	C		84.15	15.85	100										
		S		91.58	8.42	100										
10	Malappuram	C		48.15	44.44	92.59		7.41			7.41			7.41	7.41	
		S		48.48	51.52	100										
11	Kozhikkode	C		30	70	100										
		S		9.09	90.91	100										
12	Wayanad	C		71.7	28.3	100										
		S		82	18	100										
13	Kannur	C		79.31	20.69	100										
		S		78.57	21.43	100										
14	Kazaragod	C			100	100										
		S		25	75	100										
For District Covered		C		74.54	24.85	99.49		0.61			0.61			0.61	0.61	
		S		78.64	21.36	100										

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 2015-16
SUMMER

Sl. No.	District	Agency	Percentage of survey numbers in which particulars											
			Tallied				Not Tallied							
							Supervisor				Patwari			
HY &L	HY	L	Total	HY	L	NR	Total	HY	L	NR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	C												
		S												
2	Kollam	C												
		S												
3	Pathanamthitta	C												
		S		100		100								
4	Alappuzha	C												
		S		100		100								
5	Kottayam	C		100		100								
		S		91.30		91.30	8.7			8.7			8.7	8.7
6	Idukki	C												
		S												
7	Eranakulam	C												
		S		100		100								
8	Thrissur	C		83.33	16.67	100								
		S		100		100								
9	Palakkad	C		100		100								
		S		100		100								
10	Malappuram	C		100		100								
		S		100		100								
11	Kozhikkode	C		100		100								
		S												
12	Wayanad	C												
		S		100		100								
13	Kannur	C												
		S												
14	Kasaragod	C												
		S												
For District Covered		C		95.35	4.65	100								
		S		97.94		97.94	2.06			2.06			2.06	2.06

Table-6

RESPONSE IN SAMPLE CHECK ON CROP CUTTING EXPERIMENTS FOR PADDY DURING 2015-16

Sl. No.	District	Agency	Autumn		Winter		Summer		Annual	
			No. of Expts. Planned	% Response	No. of Expts. Planned	% Response	No. of Expts. Planned	% Response	No. of Expts. Planned	% Response
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	8	100	24	100
2	Kollam	C	6	100	6	100	6	100	18	100
		S	6	100	6	100	6	66.66	18	88.89
3	Pathanamthitta	C	6	100	6	100	6	100	18	100
		S	6	100	6	100	6	100	18	100
4	Alappuzha	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	8	100	24	100
5	Kottayam	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	8	100	24	100
6	Idukki	C	4	100	4	100	4	100	12	100
		S	4	100	4	100	4	100	12	100
7	Eranakulam	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	8	100	24	100
8	Thrissur	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	8	100	24	100
9	Palakkad	C	10	100	10	100	10	100	30	100
		S	10	100	10	100	10	100	30	100
10	Malappuram	C	10	100	10	100	10	100	30	100
		S	10	100	10	100	10	100	30	100
11	Kozhikkode	C	12	100	8	100	8	100	28	100
		S	12	100	8	100	8	100	28	100
12	Wayanad	C			4	100	4	100	8	100
		S			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	91.67
14	Kasaragod	C	4	100	4	100	4	100	12	100
		S	4	100	4	100	4	150	12	116.67
For District Covered		C	100	100	100	100	100	100	300	100
		S	100	100	100	100	100	98	300	99.33

Table-7(i)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS
DURING 2015-16**

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
1	Thiruvananthapuram	C	H	8	100	100	100
		S		8	100	100	100
		C	T	8	100	100	100
		S		8	100	100	100
2	Kollam	C	H	6	33.33	100	66.67
		S		6	16.67	100	83.33
		C	T	6	33.33	100	66.67
		S		6	16.67	100	83.33
3	Pathanamthitta	C	H	6	100	100	100
		S		6	100	100	100
		C	T	6	100	100	100
		S		6	100	100	100
4	Alappuzha	C	H	8		75	25
		S		8	25	62.5	50
		C	T	8		75	25
		S		8	25	62.5	50
5	Kottayam	C	H	8	50	100	100
		S		8	87.5	100	100
		C	T	8	50	100	100
		S		8	87.5	100	100
6	Idukki	C	H	4	100	75	100
		S		4	100	100	100
		C	T	4	100	75	100
		S		4	100	100	100
7	Ernakulam	C	H	8	25	50	50
		S		8	25	75	75
		C	T	8	25	50	50
		S		8	25	75	75
8	Thrissur	C	H	8		100	100
		S		8		100	87.5
		C	T	8		100	100
		S		8		100	87.5

Cond.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS
DURING 2015-16**

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		80	90
		S		10	40	100	100
		C	T	10		80	90
		S		10	40	100	100
10	Malappuram	C	H	10	10	60	60
		S		10		100	100
		C	T	10	10	60	60
		S		10		100	100
11	Kozhikkode	C	H	12	41.67	83.33	50
		S		12		58.33	50
		C	T	12	41.67	83.33	50
		S		12		58.33	50
12	Wayanad	C	H	0			
		S		0			
		C	T	0			
		S		0			
13	Kannur	C	H	8		100	100
		S		8		62.5	37.5
		C	T	8		100	100
		S		8		62.5	37.5
14	Kasaragod	C	H	4		75	50
		S		4		75	75
		C	T	4		75	50
		S		4		75	75
For District Covered		C	H	100	32	84	75
		S		100	34	86	80
		C	T	100	32	84	75
		S		100	34	86	80

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 2015-16**

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	100
		S		8	100	100	100
		C	T	8	100	100	100
		S		8	100	100	100
2	Kollam	C	H	6	33.33	50	50
		S		6	100	33.33	83.33
		C	T	6	33.33	50	50
		S		6	100	33.33	83.33
3	Pathanamthitta	C	H	6	100	83.33	100
		S		6	100	100	100
		C	T	6	100	83.33	100
		S		6	100	100	100
4	Alappuzha	C	H	8	37.5	100	100
		S		8	25	25	37.5
		C	T	8	37.5	100	100
		S		8	25	25	37.5
5	Kottayam	C	H	8	100	75	100
		S		8	100	100	100
		C	T	8	100	75	100
		S		8	100	100	100
6	Idukki	C	H	4	100	100	100
		S		4	100	100	75
		C	T	4	100	100	100
		S		4	100	100	75
7	Ernakulam	C	H	8	100	100	87.5
		S		8	100	100	100
		C	T	8	100	100	87.5
		S		8	100	100	100
8	Thrissur	C	H	8	100	100	75
		S		8	50	87.5	100
		C	T	8	100	100	75
		S		8	50	87.5	100

Contd...

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS
DURING - 2015-16**

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	10	100	50	60
		S		10	100	100	100
		C	T	10	100	50	60
		S		10	100	100	100
10	Malappuram	C	H	10	50	80	50
		S		10	80	80	80
		C	T	10	50	80	50
		S		10	80	80	80
11	Kozhikkode	C	H	8	25		37.5
		S		8			75
		C	T	8	25		37.5
		S		8			75
12	Wayanad	C	H	4	75	75	75
		S		4	100	75	100
		C	T	4	75	75	75
		S		4	100	75	100
13	Kannur	C	H	8	50	75	75
		S		8	100	62.5	62.5
		C	T	8	50	75	75
		S		8	100	62.5	62.5
14	Kasaragod	C	H	4	75		75
		S		4	100	50	50
		C	T	4	75		75
		S		4	100	50	50
For District Covered		C	H	100	74	72	76
		S		100	80	73	84
		C	T	100	74	72	76
		S		100	80	73	84

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 2015-16**

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	8	100	100	100
		S		8	100	100	87.5
		C	T	8	100	100	100
		S		8	100	100	87.5
2	Kollam	C	H	6	100	100	66.67
		S		4	100	100	100
		C	T	6	100	100	66.67
		S		6	100	100	100
3	Pathanamthitta	C	H	6	100	100	100
		S		6	100	100	100
		C	T	6	100	100	100
		S		6	100	100	100
4	Alappuzha	C	H	8	37.5	100	100
		S		8	100	100	100
		C	T	8	37.5	100	100
		S		8	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	4	100	50	75
		S		4	100	75	75
		C	T	4	100	50	75
		S		4	100	75	75
7	Eranakulam	C	H	8	100	87.5	87.5
		S		8	87.5	100	100
		C	T	8	100	87.5	87.5
		S		8	87.5	100	100
8	Thrissur	C	H	8	100	87.5	100
		S		8	100	100	100
		C	T	8	100	87.5	100
		S		8	100	100	100

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS
DURING 2015-16**

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	70	80
		S		10	100	100	80
		C	T	10	100	70	80
		S		10	100	100	80
10	Malappuram	C	H	10	100	90	80
		S		10	100	100	100
		C	T	10	100	90	80
		S		10	100	100	100
11	Kozhikkode	C	H	8	100	100	87.5
		S		8	100	100	100
		C	T	8	100	100	87.5
		S		8	100	100	100
12	Wayanad	C	H	4	100	100	100
		S		4	100	100	75
		C	T	4	100	100	100
		S		4	100	100	75
13	Kannur	C	H	8	83.33	66.66	83.33
		S		8	83.33	50	83.33
		C	T	8	83.33	66.66	83.33
		S		8	83.33	50	83.33
14	Kasaragod	C	H	4	100	100	100
		S		4	100	100	66.67
		C	T	4	100	100	100
		S		4	100	100	66.67
For District Covered		C	H	100	94	90	90
		S		98	96	94	90
		C	T	100	94	90	90
		S		100	96	94	90

C - Central Sample

S - State Sample

H - Checked at Harvest

T - Total Experiment

HYV - High yielding Variety

F -Fertilizers used

Table 7(iv)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS
DURING 2015-16**

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	50	100	
		S		4	50	50	75
		C	T	4	50	100	
		S		4	50	50	75
2	Kollam	C	H	4			25
		S		4	50		50
		C	T	4			25
		S		4	50		50
3	Pathanamthitta	C	H				
		S					
		C	T				
		S					
4	Alappuzha	C	H				
		S					
		C	T				
		S					
5	Kottayam	C	H	4		25	25
		S		4	50		25
		C	T	4		25	25
		S		4	50		25
6	Idukki	C	H				
		S					
		C	T				
		S					
7	Eranakulam	C	H	4	50	50	25
		S		4	75	50	50
		C	T	4	50	50	25
		S		4	75	50	50
8	Thrissur	C	H	4	75	50	50
		S		4	50	50	75
		C	T	4	75	50	50
		S		4	50	50	75

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS
DURING 2015-16**

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
9	Palakkad	C	H	4		50	25
		S		4	75	25	25
		C	T	4		50	25
		S		4	75	25	25
10	Malappuram	C	H	4	75	50	50
		S		4	25	50	25
		C	T	4	75	50	50
		S		4	25	50	25
11	Kozhikkode	C	H	4	75	25	
		S		4			
		C	T	4	75	25	
		S		4			
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4			
		S		4	25	25	25
		C	T	4			
		S		4	25	25	25
14	Kazaragod	C	H	4			
		S		4	50		
		C	T	4			
		S		4	50		
For District Covered		C	H	40	32.5	35	20
		S		40	45	25	35
		C	T	40	32.5	35	20
		S		40	45	25	35

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 2015-16**

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			
		S		4	50	25	
		C	T	4			
		S		4	50	25	
2	Kollam	C	H	4			
		S		4			
		C	T	4			
		S		4			
3	Pathanamthitta	C	H				
		S					
		C	T				
		S					
4	Alappuzha	C	H				
		S					
		C	T				
		S					
5	Kottayam	C	H	4		50	
		S		4			
		C	T	4		50	
		S		4			
6	Idukki	C	H				
		S					
		C	T				
		S					
7	Ernakulam	C	H	4	50		
		S		4			
		C	T	4	50		
		S		4			
8	Thrissur	C	H	4	100	50	
		S		4	50		
		C	T	4	100	50	
		S		4	50		

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS
DURING 2015-16**

Pepper

Sl. No.	District	Age ncy	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	4		100	
		S		4	50	100	
		C	T	4		100	
		S		4	50	100	
10	Malappuram	C	H	4			
		S		4			
		C	T	4			
		S		4			
11	Kozhikkode	C	H	4			
		S		4			
		C	T	4			
		S		4			
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4			
		S		4			
		C	T	4			
		S		4			
14	Kasaragod	C	H	4	25		
		S		4	50	50	
		C	T	4	25		
		S		4	50	50	
For District Covered		C	H	40	17.5	20	
		S		40	20	17.5	
		C	T	40	17.5	20	
		S		40	20	17.5	

C - Central Sample

H - Checked at Harvest

HYV - High yielding Variety

S - State Sample

T - Total Experiment

F -Fertilizers used

Table7(vi)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS
DURING 2015-16**

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		
		S		4	100		75
		C	T	4	100		
		S		4	100		75
2	Kollam	C	H	4	50		50
		S		4	100		25
		C	T	4	50		50
		S		4	100		25
3	Pathanamthitta	C	H				
		S					
		C	T				
		S					
4	Alappuzha	C	H	4	100		100
		S		4	100		50
		C	T	4	100		100
		S		4	100		50
5	Kottayam	C	H	4		25	75
		S		4	50		75
		C	T	4		25	75
		S		4	50		75
6	Idukki	C	H				
		S					
		C	T				
		S					
7	Eranakulam	C	H	4	75		50
		S		4	75		50
		C	T	4	75		50
		S		4	75		50
8	Thrissur	C	H	6	100		50
		S		6	100		33.33
		C	T	6	100		50
		S		6	100		33.33

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT
INPUTS DURING 2015-16**

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	83.33		66.67
		S		6	100		66.67
		C	T	6	83.33		66.67
		S		6	100		66.67
10	Malappuram	C	H	6	66.67	16.67	83.33
		S		6	100		83.33
		C	T	6	66.67	16.67	83.33
		S		6	100		83.33
11	Kozhikkode	C	H	4	100		100
		S		4	100		50
		C	T	4	100		100
		S		4	100		50
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4	50		100
		S		4	50		25
		C	T	4	50		100
		S		4	50		25
14	Kasaragod	C	H	4	100		100
		S		4	100		100
		C	T	4	100		100
		S		4	100		100
For District Covered		C	H	50	76	4	70
		S		50	90		58
		C	T	50	76	4	70
		S		50	90		58

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 2015-16**

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			
		S		4	50		
		C	T	4			
		S		4	50		
2	Kollam	C	H	4			
		S		4			
		C	T	4			
		S		4			
3	Pathanamthitta	C	H				
		S					
		C	T				
		S					
4	Alappuzha	C	H	4			
		S		4	50		
		C	T	4			
		S		4	50		
5	Kottayam	C	H	4			
		S		4			
		C	T	4			
		S		4			
6	Idukki	C	H				
		S					
		C	T				
		S					
7	Eranakulam	C	H	4			
		S		4			
		C	T	4			
		S		4			
8	Thrissur	C	H	6	33.33		
		S		6	66.67		
		C	T	6	33.33		
		S		6	66.67		

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT
INPUTS DURING 2015-16**

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			
		S		6	83.33		33.33
		C	T	6			
		S		6	83.33		33.33
10	Malappuram	C	H	6			
		S		6			33.33
		C	T	6			
		S		6			33.33
11	Kozhikkode	C	H	4			
		S		4			
		C	T	4			
		S		4			
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4			75
		S		4			
		C	T	4			75
		S		4			
14	Kasaragod	C	H	4	50		25
		S		4	50		25
		C	T	4	50		25
		S		4	50		25
For District Covered		C	H	50	8		8
		S		50	30		10
		C	T	50	8		8
		S		50	30		10

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 2015-16**

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			
		S		4			
		C	T	4			
		S		4			
2	Kollam	C	H	4		25	
		S		4			
		C	T	4		25	
		S		4			
3	Pathanamthitta	C	H				
		S					
		C	T				
		S					
4	Alappuzha	C	H				
		S					
		C	T				
		S					
5	Kottayam	C	H	4			
		S		4			
		C	T	4			
		S		4			
6	Idukki	C	H				
		S					
		C	T				
		S					
7	Eranakulam	C	H	4	50		
		S		4	25	50	
		C	T	4	50		
		S		4	25	50	
8	Thrissur	C	H	4	75	25	
		S		4	75		
		C	T	4	75	25	
		S		4	75		

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS
DURING 2015-16**

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	25		
		S		4	100	25	50
		C	T	4	25		
		S		4	100	25	50
10	Malappuram	C	H	4	50		
		S		4			
		C	T	4	50		
		S		4			
11	Kozhikkode	C	H	4			
		S		4			
		C	T	4			
		S		4			
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4			
		S		4			
		C	T	4			
		S		4			
14	Kasaragod	C	H	4	100	25	25
		S		4	75		
		C	T	4	100	25	25
		S		4	75		
For District Covered		C	H	40	30	7.5	2.5
		S		40	27.5	7.5	5
		C	T	40	30	7.5	2.5
		S		40	27.5	7.5	5

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 : 2015-16

STATE SAMPLE

SEASON : AUTUMN

CROP :PADDY

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	4	4				
4	Alappuzha	6	6				
5	Kottayam	8	8				
6	Idukki	4	4				
7	Ernakulam	8	8				
8	Thrissur	10	10				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	12				
12	Wayanad	4	*				
13	Kannur	8	8				
14	Kasargod	6	6				
Total		100	100				
*Paddy Substituted to Kozhikode district as there is no paddy in Wayanad during Autumn season.							

Table 8 (ii)

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

STATE : KERALA

YEAR : 2015-16

CENTRAL SAMPLE

SEASON : Autumn

CROP : Paddy

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	6	6				
4	Alappuzha	8	8				
5	Kottayam	8	8				
6	Idukki	4	4				
7	Ernakulam	8	8				
8	Thrissur	8	8				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	12				
12	Wayanad	4	*				
13	Kannur	8	8				
14	Kasargod	4	4				
Total		100	100				
*Paddy Substituted to Kozhikode district as there is no paddy in Wayanad during Autumn season							

Table 8 (iii)

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

STATE:KERALA			YEAR: 2015-16						SEASON:AUTUMN PADDY						STATE SAMPLE					
Sl.No.	District	No. of expts. Checked at harvest	HY varieties						Other Varieties						Both Hy & Others					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total	
			No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	8	8	3810.34	0	0	8	3810.34	0	0	0	0	0	0	8	3810.34	0	0	8	3810.34
2	Kollam	6	1	1626.06	5	3119.51	6	2870.6	0	0	0	0	0	0	1	1626.06	5	3119.51	6	2870.6
3	Path	6	6	3372.87	0	0	6	3372.87	0	0	0	0	0	0	6	3372.87	0	0	6	3372.87
4	Alpy	8	2	4021.9	3	649.97	5	1998.74	0	0	3	1500.97	3	1500.97	2	4021.9	6	1075.47	8	1812.08
5	Ktm	8	7	4395.34	1	3441.37	8	4276.09	0	0	0	0	0	0	7	4395.34	1	3441.37	8	4276.09
6	Idukki	4	4	4250.28	0	0	4	4250.28	0	0	0	0	0	0	4	4250.28	0	0	4	4250.28
7	Ekm	8	2	4014	4	3401.2	6	3605.46	0	0	2	1084.69	2	1084.69	2	4014	6	2629.03	8	2975.27
8	Thrs	8	0	0	8	3266.79	8	3266.79	0	0	0	0	0	0	0	0	8	3266.79	8	3266.79
9	Pakkd	10	4	4922.06	6	3520	10	4080.82	0	0	0	0	0	0	4	4922.06	6	3520	10	4080.82
10	Mlp	10	0	0	10	3037.75	10	3037.75	0	0	0	0	0	0	0	0	10	3037.75	10	3037.75
11	Kozhi	12	0	0	7	1778	7	1778	0	0	5	1077.34	5	1077.34	0	0	12	1486.06	12	1486.06
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	5	3331.36	5	3331.36	0	0	3	1958.65	3	1958.65	0	0	8	2816.59	8	2816.59
14	Ksrgd	4	0	0	3	4229.1	3	4229.1	0	0	1	4010.8	1	4010.8	0	0	4	4174.53	4	4174.53
State		100	34	3996.31	52	2961.84	86	3370.81	0	0	14	1567.55	14	1567.55	34	3996.31	66	2666.08	100	3118.36

Table 8(iv)

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

STATE:KERALA

YEAR: 2015-16

SEASON:AUTUMN PADDY

CENTRAL SAMPLE

Sl.No.	District	No. of expts. Checked at harvest	HY varieties						Other Varieties						Both Hy & Others					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total	
			No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	8	8	3559.35	0	0	8	3559.35	0	0	0	0	0	0	8	3559.35	0	0	8	3559.35
2	Kollam	6	2	3966.98	4	3856.79	6	3893.52	0	0	0	0	0	0	2	3966.98	4	3856.79	6	3893.52
3	Path	6	6	3275.67	0	0	6	3275.67	0	0	0	0	0	0	6	3275.67	0	0	6	3275.67
4	Alpy	8	0	0	6	1532.11	6	1532.11	0	0	2	1069.3	2	1069.3	0	0	8	1416.41	8	1416.41
5	Kottm	8	4	5477.61	4	5015.52	8	5246.56	0	0	0	0	0	0	4	5477.61	4	5015.52	8	5246.56
6	Idukki	4	3	2381.06	0	0	3	2381.06	1	4786.45	0	0	1	4786.45	4	2982.41	0	0	4	2982.41
7	Ekm	8	2	2256.76	2	2310.28	4	2283.52	0	0	4	1576.16	4	1576.16	2	2256.76	6	1820.87	8	1929.84
8	Thrs	8	0	0	8	3751.69	8	3751.69	0	0	0	0	0	0	0	0	8	3751.69	8	3751.69
9	Pakkd	10	0	0	8	2864.41	8	2864.41	0	0	2	1205	2	1205	0	0	10	2532.53	10	2532.53
10	Mlp	10	1	4508.64	5	2917.97	6	3183.08	0	0	4	2224.56	4	2224.56	1	4508.64	9	2609.79	10	2799.67
11	Kozhi	12	5	2656.46	5	2163.44	10	2409.95	0	0	2	262.94	2	262.94	5	2656.46	7	1620.44	12	2052.12
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	8	2241.14	8	2241.14	0	0	0	0	0	0	0	0	8	2241.14	8	2241.14
14	Ksrgd	4	0	0	3	3343.57	3	3343.57	0	0	1	1968.4	1	1968.4	0	0	4	2999.78	4	2999.78
State		100	31	3465.19	53	2935.81	84	3131.18	1	4786.45	15	1483.05	16	1689.51	32	3506.48	68	2615.35	100	2900.51

Table 8(v)

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

STATE : KERALA

YEAR : 2015-16

SEASON : AUTUMN PADDY

STATE SAMPLE

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers								Experiments not Treated with Fertilizers	
		No.	Yield Rate	No.	Yield Rate	No.of Experiments				Rate of application				No.	Yield Rate
						N	P	K	Exclusive Total	Yield Rate	N	P	K		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	3810.33	3	4667.01	8	8	8	8	3810.33	55.91	23.25	48	0	0
2	Kollam	6	2870.6	1	4392.94	5	4	2	5	2575.76	29.9	27.87	60.5	1	4344.79
3	Pathanamthitta	6	3372.86	1	3271.52	6	6	6	6	2187.53	34.5	14.83	25.17	0	0
4	Alappuzha	8	1812.07	3	2887.23	4	3	3	4	2165.42	55.75	27.33	3	4	1458.72
5	Kottayam	8	4276.09	6	4297.22	8	7	7	8	4276.09	101.63	46.29	83.43	0	0
6	Idukki	4	4250.27	4	4250.27	4	4	4	4	4250.27	75	25.75	50.75	0	0
7	Eranakulam	8	2975.27	0	0	5	5	2	6	0	27.8	17.8	20	2	1084.69
8	Thrissur	8	3266.78	5	3781.25	7	7	7	7	3903.39	74.79	32.43	48.29	1	1204.66
9	Palakkad	10	4080.82	4	3211.09	10	10	9	10	4080.82	81.6	35.7	54.44	0	0
10	Malappuram	10	3037.75	0	0	10	9	4	10	3037.75	68.81	32.53	37.58	0	0
11	Kozhikode	12	1486.06	2	945.86	6	5	2	6	951.95	29.78	27.28	34.86	6	1474.19
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	2816.59	1	3122.26	3	1	3	3	2903.71	20.67	29	30.67	5	2764.32
14	Kasaragod	4	4174.52	0	0	3	3	1	3	4314.2	26	26	28	1	3755.5
Total		100	3118.36	30	3662.54	79	72	58	80	3027.92	52.47	28.16	40.36	20	1998.8

Table 8(v)

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

STATE : KERALA

YEAR : 2015-16

SEASON : AUTUMN PADDY

STATE SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	5	3296.33	3	4667.01	5	3296.33	0	0	8	3810.33
2	Kollam	1	4344.79	5	2566.13	1	4392.94	4	2121.47	0	0	6	2870.6
3	Pathanamthitta	0	0	5	2625.03	1	3271.52	5	2625.04	0	0	6	3372.86
4	Alappuzha	4	1458.72	5	1166.98	3	2887.23	1	0.004	0	0	8	1812.07
5	Kottayam	0	0	2	4212.71	6	4297.22	2	4212.71	0	0	8	4276.09
6	Idukki	0	0	0	0	4	4250.27	0	0	0	0	4	4250.27
7	Eranakulam	0	0	6	3605.46	2	1084.69	6	3587.62	2	1084.69	6	3605.46
8	Thrissur	0	0	2	3011.67	6	3351.82	2	3011.67	1	1204.66	7	3561.37
9	Palakkad	0	0	6	4660.63	4	3211.09	6	4660.64	0	0	10	4080.82
10	Malappuram	0	0	10	3037.75	0	0	10	3037.75	0	0	10	3037.75
11	Kozhikode	6	1474.19	10	1423.18	2	1800.43	4	1346.68	0	0	12	1411.80
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	3	2463.08	5	2595.62	3	3184.87	2	2794.44	2	3216.18	6	2683.39
14	Kasaragod	1	3755.5	4	4174.52	0	0	3	4314.2	0	0	4	4174.52
Total		15	2011.31	65	2870.82	35	3468.34	50	3126.54	5	1961.28	95	3169.88

Table 8(vi)

CROP WISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS**STATE : KERALA****YEAR : 2015-16****SEASON : AUTUMN****CROP: PADDY****CENTRAL SAMPLE**

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers								Experiments not Treated with Fertilizers	
						No.of Experiments				Rate of application					
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	3559.35	0	0	8	8	8	8	3559.35	67.13	30.5	46.5	0	0
2	Kollam	6	3893.52	0	0	4	4	2	4	4628.14	29	11	31	2	2424.268
3	Pathanamthitta	6	3275.66	1	4082.28	6	5	6	6	3275.66	52.13	20.36	48.1	0	0
4	Alappuzha	8	1416.41	0	0	2	2	0	2	592	202.5	58	0	6	1691.208
5	Kottayam	8	5246.56	5	5268.85	8	7	8	8	5246.56	73.5	36.86	50.75	0	0
6	Idukki	4	2982.41	2	3091.91	4	3	4	4	2982.41	53.75	52.67	95	0	0
7	Eranakulam	8	1929.84	3	2259.73	4	4	2	4	2283.52	56.75	44.75	11.5	4	1576.164
8	Thrissur	8	3751.69	4	3548.61	8	8	7	8	3751.69	172.13	41.38	103.14	0	0
9	Palakkad	10	2532.52	6	2953.42	9	7	5	9	2645.67	37	19.29	34	1	1514.192
10	Malappuram	10	2799.67	1	4936.44	6	3	3	6	3183.08	51	52	88.33	4	2224.56
11	Kozhikode	12	2052.12	1	222.77	6	6	3	6	2572.83	39.17	30.33	36	6	1531.405
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	2241.13	0	0	8	8	5	8	2241.13	35	28.13	31.4	0	0
14	Kasaragod	4	2999.77	0	0	2	2	1	2	3487.25	28	47	21	2	2512.3
Total		100	2900.51	23	3498.43	75	67	54	75	3255.01	69	36.33	49.73	25	1837.04

Table 8(vi)

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

STATE : KERALA

YEAR : 2015-16

SEASON : AUTUMN PADDY

CENTRAL SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	8	3559.35	0	0	8	3559.35	0	0	8	3559.35
2	Kollam	2	2424.268	6	3893.52	0	0	4	4628.15	0	0	6	3893.52
3	Pathanamthitta	0	0	5	3114.35	1	4082.28	5	3114.35	0	0	6	2183.38
4	Alappuzha	5	1792.65	7	1449.61	1	1184	2	592	1	1184	7	1449.61
5	Kottayam	0	0	3	5209.41	5	5268.85	3	5209.41	0	0	8	5246.56
6	Idukki	0	0	2	2872.91	2	3091.90	2	2872.91	0	0	4	2982.41
7	Eranakulam	0	0	1	2354.88	7	1869.12	1	2354.88	4	1576.16	4	2283.52
8	Thrissur	0	0	4	3954.77	4	3548.61	4	3954.77	0	0	8	3751.69
9	Palakkad	1	1514.192	4	1901.18	6	2953.42	3	2030.18	0	0	10	2532.52
10	Malappuram	4	2224.56	9	2562.25	1	4936.44	5	2832.41	0	0	10	2799.67
11	Kozhikode	5	1755.151	10	2410.32	2	261.12	5	3065.49	1	412.67	11	2201.16
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	8	2241.14	0	0	8	2241.14	0	0	8	2241.13
14	Kasaragod	2	2512.3	4	2999.78	0	0	2	3487.25	0	0	4	2999.77
Total		19	2001.29	71	2842.24	29	3043.17	52	3149.52	6	1316.89	94	2931.87

Table 9(i)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED**STATE : KERALA****YEAR : 2015-16****STATE SAMPLE****SEASON : WINTER****CROP :PADDY**

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

Table 9(ii)

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

STATE : KERALA

YEAR : 2015-16

CENTRAL SAMPLE

SEASON : Winter

CROP : Paddy

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

Table 9 (iii)

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

STATE:KERALA				YEAR:2015-16				SEASON:WINTER				CROP:PADDY				STATE SAMPLE				
Sl.No.	District	No. of expts. Checked at harvest	HY varieties						Other Varieties						Both Hy & Others					
			Irrigated		Un irrigated				Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total	
			No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	8	8	4535.38	0	0	8	4535.38	0	0	0	0	0	0	8	4535.38	0	0	8	4535.38
2	Kollam	6	2	3459.54	0	0	2	3459.54	4	3169.7	0	0	4	3169.7	6	3266.31	0	0	6	3266.31
3	Path	6	6	4066.02	0	0	6	4066.02	0	0	0	0	0	0	6	4066.02	0	0	6	4066.02
4	Alpy	8	2	4623.71	0	0	2	4623.71	0	0	6	170.55	6	170.55	2	4623.71	6	170.55	8	1283.84
5	Ktm	8	8	3826.09	0	0	8	3826.09	0	0	0	0	0	0	8	3826.09	0	0	8	3826.09
6	Idukki	4	4	3383.89	0	0	4	3383.89	0	0	0	0	0	0	4	3383.89	0	0	4	3383.89
7	Ekm	8	8	3477.91	0	0	8	3477.91	0	0	0	0	0	0	8	3477.91	0	0	8	3477.91
8	Thrs	8	4	3812.94	3	5379.87	7	4484.48	0	0	1	3426.12	1	3426.12	4	3812.94	4	4891.43	8	4352.19
9	Pakkd	10	10	3857.44	0	0	10	3857.44	0	0	0	0	0	0	10	3857.44	0	0	10	3857.44
10	Mlp	10	6	3294.68	2	3063.42	8	3236.87	2	1564.26	0	0	2	1564.26	8	2862.08	2	3063.42	10	2902.34
11	Kozhi	8	0	0	0	0	0	0	0	0	8	2084.84	8	2084.84	0	0	8	2084.84	8	2084.84
12	Wyd	4	3	4109.36	0	0	3	4109.36	1	3329.4	0	0	1	3329.4	4	3914.37	0	0	4	3914.37
13	Kannur	8	5	3721.58	0	0	5	3721.58	3	1380.95	0	0	3	1380.95	8	2843.85	0	0	8	2843.85
14	Ksrgd	4	2	4182.85	0	0	2	4182.85	2	2745.4	0	0	2	2745.4	4	3464.13	0	0	4	3464.13
State		100	68	3848.66	5	4453.29	73	3890.08	12	2397.53	15	1408.54	27	1848.09	80	3630.99	20	2169.73	100	3338.74

Table 9 (iv)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES																				
STATE:KERALA			YEAR:2015-16						SEASON:WINTER						CROP: CENTRAL SAMPLE					
Sl.No.	District	No. of expts. Checked at harvest	HY varieties						Other Varieties						Both Hy & Others					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total	
			No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	8	8	4149.6	0	0	8	4149.6	0	0	0	0	0	0	8	4149.6	0	0	8	4149.6
2	Kollam	6	2	3724.37	1	3792.0	3	3747.21	0	0	3	2518.72	3	2518.72	2	3724.37	4	2837.26	6	3132.97
3	Path	6	5	3824.46	0	0	5	3824.46	1	3842.9	0	0	1	3842.9	6	3827.53	0	0	6	3827.53
4	Alpy	8	3	4892.44	5	3897.74	8	4270.75	0	0	0	0	0	0	3	4892.44	5	3897.74	8	4270.75
5	Kottm	8	6	5071.1	0	0	6	5071.1	2	2725.69	0	0	2	2725.69	8	4484.75	0	0	8	4484.75
6	Idukki	4	4	3526.4	0	0	4	3526.4	0	0	0	0	0	0	4	3526.4	0	0	4	3526.4
7	Ekm	8	8	3178.64	0	0	8	3178.64	0	0	0	0	0	0	8	3178.64	0	0	8	3178.64
8	Thrs	8	8	3656.83	0	0	8	3656.83	0	0	0	0	0	0	8	3656.83	0	0	8	3656.83
9	Pakkd	10	5	4228.49	0	0	5	4228.49	5	2913.7	0	0	5	2913.7	10	3571.09	0	0	10	3571.09
10	Mlp	10	3	4008.92	5	4614.29	8	4387.28	2	1778.16	0	0	2	1778.16	5	3116.62	5	4614.29	10	3865.45
11	Kozhi	8	0	0	0	0	0	0	2	675.62	6	1314.72	8	1154.95	2	675.62	6	1314.72	8	1154.95
12	Wyd	4	2	4224.06	1	2879.28	3	3775.8	1	2611.44	0	0	1	2611.44	3	3686.52	1	2879.28	4	3484.71
13	Kannur	8	4	3809.26	2	3528.96	6	3715.82	0	0	2	1389.53	2	1389.53	4	3809.26	4	2459.24	8	3134.25
14	Ksrgd	4	0	0	0	0	0	0	3	3052.5	1	2360.6	4	2879.53	3	3052.5	1	2360.6	4	2879.53
State		100	58	3974.41	14	4020.73	72	3983.41	16	2533.7	12	1715.34	28	2182.98	74	3662.9	26	2956.71	100	3479.29

Table 9(v)

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

STATE : KERALA

YEAR : 2015-16

SEASON : WINTER

CROP: PADDY

STATE SAMPLE

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers								Experiments not Treated with Fertilizers	
						No. of Experiments				Rate of application					
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	4535.37	0	0	8	5	7	8	4535.37	53.02	25.12	40.71	0	0
2	Kollam	6	3266.31	1	2800.22	5	4	4	5	3062.46	29.57	32.93	31.53	1	4285.52
3	Pathanamthitta	6	4066.02	4	4429.28	6	6	2	6	4066.02	44.33	25.67	36	0	0
4	Alappuzha	8	1283.84	2	4623.71	3	2	1	3	3263.72	40	46.5	2	5	55.33
5	Kottayam	8	3826.09	7	4079.10	8	8	6	8	3826.08	54.75	27.13	28.67	0	0
6	Idukki	4	3383.89	1	3156.20	3	3	3	3	3399.52	48.33	33	41	1	3336.96
7	Eranakulam	8	3477.91	3	2599.88	8	8	3	8	3477.90	25.5	23.75	26.67	0	0
8	Thrissur	8	4352.19	5	4392.06	8	8	7	8	4352.18	50.48	25.23	38.34	0	0
9	Palakkad	10	3857.44	7	4170.98	10	10	9	10	3857.44	76.9	36.2	51.56	0	0
10	Malappuram	10	2902.34	1	3619.56	8	7	4	8	3236.86	49.31	21.66	44.5	2	1564.26
11	Kozhikode	8	2084.84	2	3471.22	6	6	3	6	2441.97	35.6	29.31	53.96	2	1013.43
12	Wayanad	4	3914.37	1	4434.24	4	4	2	4	2805.81	0.02	31.5	0	0	0
13	Kannur	8	2843.85	0	0	5	5	4	5	3201.79	34.2	18.2	47	3	2247.26
14	Kasaragod	4	3464.13	0	0	2	2	1	2	4182.85	28.5	28.5	30	2	2751.54
Total		100	3338.74	34	3983.17	84	78	56	84	3618.45	40.75	28.91	33.71	16	1581.21

Table 9(v)

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

STATE : KERALA

YEAR : 2015-16

SEASON : WINTER

CROP: PADDY

STATE SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	8	4535.37	0	0	8	4535.38	0	0	8	4535.37
2	Kollam	1	4285.52	5	3359.52	1	2800.22	4	3128.03	0	0	6	3266.31
3	Pathanamthitta	0	0	2	3339.48	4	4429.28	2	3339.48	0	0	6	4066.02
4	Alappuzha	4	58.52	5	196.75	3	3096.32	1	543.74	1	41.53	7	1461.31
5	Kottayam	0	0	1	2054.94	7	4079.10	1	2054.95	0	0	8	3826.08
6	Idukki	1	3336.96	3	3459.77	1	3156.20	2	3521.19	0	0	4	3383.88
7	Eranakulam	0	0	5	4004.72	3	2599.88	5	4004.72	0	0	8	3477.90
8	Thrissur	0	0	3	4285.72	5	4392.07	3	4285.72	0	0	8	4352.18
9	Palakkad	0	0	3	3125.83	7	4170.98	3	3125.83	0	0	10	3857.44
10	Malappuram	0	0	7	3182.19	3	2249.36	7	3182.19	2	1564.26	8	3236.86
11	Kozhikode	1	1639.74	5	1869.82	3	2443.18	4	1927.34	1	387.11	7	2327.36
12	Wayanad	0	0	3	3741.08	1	4434.24	3	3741.08	0	0	4	3914.37
13	Kannur	3	2247.26	8	2843.84	0	0	5	3201.8	0	0	8	2843.84
14	Kasaragod	1	2649.2	3	3671.63	1	2841.6	2	4182.85	1	2841.6	3	3671.63
Total		11	1717.03	61	3148.35	39	3636.58	50	3459.12	5	1279.75	95	3447.11

Table 9(vi)

CROP WISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS**STATE : KERALA****YEAR : 2015-16****SEASON : WINTER PADDY****CENTRAL SAMPLE**

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers								Experiments not Treated with Fertilizers	
						No.of Experiments				Rate of application					
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	4149.6	1	729.6	8	8	7	8	4149.6	58.94	31.95	43.26	0	0
2	Kollam	6	3132.97	2	3068.76	3	2	2	3	3326.19	71	32	60.5	3	2939.74
3	Pathanamthitta	6	3827.53	0	0	6	4	3	6	3827.53	63.83	35.25	54	0	0
4	Alappuzha	8	4270.75	3	6263.12	8	8	8	8	4270.75	76.25	26.5	8	0	0
5	Kottayam	8	4484.75	8	4484.74	8	8	7	8	4484.75	61.75	36.5	58.57	0	0
6	Idukki	4	3526.40	1	2815.56	4	4	3	4	3526.40	47.25	25	59	0	0
7	Eranakulam	8	3178.64	5	3540.17	7	6	6	7	3353.92	47.86	25.67	65.83	1	1951.69
8	Thrissur	8	3656.83	1	4472.37	6	6	6	6	3820.31	61.33	28.67	40	2	3166.39
9	Palakkad	10	3571.09	1	2627.34	6	5	5	6	3987.24	35.5	20.2	36.8	4	2946.86
10	Malappuram	10	3865.45	2	5248.92	5	5	3	5	4382.16	64.4	28	88	5	3348.74
11	Kozhikode	8	1154.95	1	419.98	3	2	2	3	869.17	34.67	27.5	57.5	5	1326.40
12	Wayanad	4	3484.71	0	0	3	3	2	3	2325	17.33	92.5	1	1	2879.28
13	Kannur	8	3134.25	0	0	6	4	6	6	3715.82	49.33	27.5	43.5	2	1389.52
14	Kasaragod	4	2879.53	2	2495.65	3	2	0	3	2450.63	33	23	0	1	4166.2
Total		100	3479.29	27	3891.1	76	67	60	76	3707.28	51.6	32.87	47.38	24	2587.14

Table 9(vi)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS**STATE : KERALA****YEAR : 2015-16****SEASON : WINTER****CROP: PADDY****CENTRAL SAMPLE**

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate	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	4638.17	1	729.6	7	4638.17	0	0	8	4149.6
2	Kollam	3	2939.74	4	3165.06	2	3068.76	1	3841.05	0	0	6	3132.96
3	Pathanamthitta	0	0	6	3827.53	0	0	6	3827.53	0	0	6	3827.53
4	Alappuzha	0	0	5	3075.32	3	6263.12	5	3075.33	0	0	8	4270.75
5	Kottayam	0	0	0	0	8	4484.74	0	0	0	0	8	4484.74
6	Idukki	0	0	3	3763.34	1	2815.56	3	3763.35	0	0	4	3526.40
7	Eranakulam	0	0	2	2888.29	6	3275.42	2	2888.3	1	1951.69	7	3353.92
8	Thrissur	1	3503.48	6	3658.82	2	3650.84	5	3689.89	1	2829.31	7	3775.04
9	Palakkad	3	3184.55	8	3856.22	2	2430.57	5	4259.23	1	2233.80	9	3719.68
10	Malappuram	3	4395.8	6	4100.06	4	3513.54	3	3804.32	2	1778.16	8	4387.27
11	Kozhikode	4	1271.80	6	1212.46	2	982.38	2	1093.77	1	1544.79	7	1099.25
12	Wayanad	1	2879.28	4	3484.71	0	0	3	4597.92	0	0	4	3484.71
13	Kannur	2	1389.52	8	3134.25	0	0	6	3715.82	0	0	8	3134.25
14	Kasaragod	1	4166.2	2	3263.4	2	2495.65	1	2360.6	0	0	4	2879.52
Total		18	2776.42	67	3444.08	33	3550.78	49	3745.14	6	2019.32	94	3572.48

Table 10(i)

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

STATE : KERALA

YEAR : 2015-16

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	6	4				
3	Pathanamthitta	6	6				
4	Alappuzha	8	8				
5	Kottayam	8	8				
6	Idukki	4	4				
7	Eranakulam	8	8				
8	Thrissur	8	8				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	8				
12	Wayanad	4	4				
13	Kannur	8	6				
14	Kasaragod	4	6				
Total		100	98				

Table 10(ii)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED**STATE : KERALA****YEAR : 2015-16****CENTRAL SAMPLE**

Sl.No.	District	SEASON : Summer		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	6	6				
4	Alappuzha	8	8				
5	Kottayam	8	8				
6	Idukki	4	4				
7	Eranakulam	8	8				
8	Thrissur	8	8				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	8				
12	Wayanad	4	4				
13	Kannur	8	6				
14	Kasaragod	4	6*				
	Total	100	100				
*Two crop cutting experiments substituted for Kannur District.							

Table 10(iii)

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

STATE:KERALA			YEAR: 2015-16			SEASON:SUMMER PADDY									STATE SAMPLE					
Sl.No.	District	No. of expts. Checked at harvest	HY varieties						Other Varieties						Both Hy & Others					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total	
			No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	8	8	3083.38	0	0	8	3083.38	0	0	0	0	0	0	8	3083.38	0	0	8	3083.38
2	Kollam	4	4	3398.37	0	0	4	3398.37	0	0	0	0	0	0	4	3398.37	0	0	4	3398.37
3	Path	6	6	5267.1	0	0	6	5267.1	0	0	0	0	0	0	6	5267.1	0	0	6	5267.1
4	Alpy	8	8	3746.8	0	0	8	3746.8	0	0	0	0	0	0	8	3746.8	0	0	8	3746.8
5	Kottm	8	8	4140.09	0	0	8	4140.09	0	0	0	0	0	0	8	4140.09	0	0	8	4140.09
6	Idukki	4	3	2414.08	0	0	3	2414.08	1	5205.36	0	0	1	5205.36	4	3111.9	0	0	4	3111.9
7	Ekm	8	7	3900	1	571.48	8	3483.94	0	0	0	0	0	0	7	3900	1	571.48	8	3483.94
8	Thrs	8	8	5451.97	0	0	8	5451.97	0	0	0	0	0	0	8	5451.97	0	0	8	5451.97
9	Pakkd	10	10	3521.84	0	0	10	3521.84	0	0	0	0	0	0	10	3521.84	0	0	10	3521.84
10	Mlp	10	10	5742.43	0	0	10	5742.43	0	0	0	0	0	0	10	5742.43	0	0	10	5742.43
11	Kozhi	8	8	2879.12	0	0	8	2879.12	0	0	0	0	0	0	8	2879.12	0	0	8	2879.12
12	Wyd	4	4	2694.85	0	0	4	2694.85	0	0	0	0	0	0	4	2694.85	0	0	4	2694.85
13	Kannur	6	3	3256.81	0	0	3	3256.81	2	2786.13	1	1026.94	3	2199.73	5	3068.54	1	1026.94	6	2728.27
14	Ksrgd	6	6	3820.8	0	0	6	3820.8	0	0	0	0	0	0	6	3820.8	0	0	6	3820.8
State		98	93	3981.36	1	571.48	94	3945.09	3	3592.54	1	1026.94	4	2951.14	96	3969.21	2	799.21	98	3904.52

Table 10(iv)

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

STATE:KERALA

YEAR: 2015-16

SEASON:SUMMER PADDY

CENTRAL SAMPLE

Sl.No.	District	No. of expts. Checked at harvest	HY varieties						Other Varieties						Both Hy & Others					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total	
			No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	8	8	3637.03	0	0	8	3637.03	0	0	0	0	0	0	8	3637.03	0	0	8	3637.03
2	Kollam	6	6	2552.61	0	0	6	2552.61	0	0	0	0	0	0	6	2552.61	0	0	6	2552.61
3	Path	6	6	3042.2	0	0	6	3042.2	0	0	0	0	0	0	6	3042.2	0	0	6	3042.2
4	Alpy	8	3	1618.8	5	5381.56	8	3970.53	0	0	0	0	0	0	3	1618.8	5	5381.56	8	3970.53
5	Kottm	8	8	2597.48	0	0	8	2597.48	0	0	0	0	0	0	8	2597.48	0	0	8	2597.48
6	Idukki	4	2	3658.84	0	0	2	3658.84	2	5020.53	0	0	2	5020.53	4	4339.69	0	0	4	4339.69
7	Ekm	8	7	2042.56	0	0	7	2042.56	1	844.48	0	0	1	844.48	8	1892.8	0	0	8	1892.8
8	Thrs	8	7	5955.12	0	0	7	5955.12	1	5756.62	0	0	1	5756.62	8	5930.31	0	0	8	5930.31
9	Pakkd	10	7	3250.63	0	0	7	3250.63	3	591.53	0	0	3	591.53	10	2452.9	0	0	10	2452.9
10	Mlp	10	9	5199	0	0	9	5199	1	2347.46	0	0	1	2347.46	10	4913.85	0	0	10	4913.85
11	Kozhi	8	8	2976.56	0	0	8	2976.56	0	0	0	0	0	0	8	2976.56	0	0	8	2976.56
12	Wyd	4	4	4618.91	0	0	4	4618.91	0	0	0	0	0	0	4	4618.91	0	0	4	4618.91
13	Kannur	6	4	3481.3	0	0	4	3481.3	1	1826.08	1	1370.46	2	1598.27	5	3150.26	1	1370.46	6	2853.63
14	Ksrgd	6	6	3900.8	0	0	6	3900.8	0	0	0	0	0	0	6	3900.8	0	0	6	3900.8
State		100	85	3538.43	5	5381.56	90	3640.82	9	2510.03	1	1370.46	10	2396.08	94	3439.97	6	4713.04	100	3516.35

Table 10(v)

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

STATE : KERALA

YEAR : 2015-16

SEASON : SUMMER PADDY

STATE SAMPLE

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers								Experiments not Treated with Fertilizers	
						No.of Experiments				Rate of application					
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N	P	K	No.	Yield Rate (KG/Ha)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	3083.38	0	0	7	7	7	7	3137.37	47.33	50.26	35.2	1	2705.44
2	Kollam	4	3398.37	1	3736.99	4	3	3	4	3398.37	33.91	22.41	32.01	0	0
3	Pathanamthitta	6	5267.1	4	4884.25	6	6	6	6	5267.09	60.33	28	40.17	0	0
4	Alappuzha	8	3746.8	7	3661.57	8	8	8	8	3203.87	79.5	45.88	52.13	0	0
5	Kottayam	8	4140.09	5	4309.07	8	8	8	8	4140.08	97.75	50.38	58.38	0	0
6	Idukki	4	3111.9	3	3319.36	3	3	0	3	3319.36	61.67	43.33	0	1	2489.52
7	Eranakulam	8	3483.94	4	2987.53	8	7	0	8	3483.93	25.63	20.64	0	0	0
8	Thrissur	8	5451.97	4	5366.04	8	8	8	8	5451.96	90.13	51.75	64.38	0	0
9	Palakkad	10	3521.84	7	3927.02	8	8	8	8	4017.55	66.63	33.75	64.88	2	1539.00
10	Malappuram	10	5742.43	3	4910.96	10	9	10	10	5742.43	69.67	34.33	54.36	0	0
11	Kozhikode	8	2879.12	2	2991.87	8	4	4	8	2879.12	45.83	34.35	34.5	0	0
12	Wayanad	4	2694.85	3	3134.50	3	1	0	3	1623.24	11	0	0	1	1343.88
13	Kannur	6	2728.27	0	0	5	5	4	5	3068.53	32.4	34.2	35	1	1026.94
14	Kasaragod	6	3820.8	0	0	4	4	3	4	3857.28	14	10.5	21.33	2	3737.84
Total		98	3904.52	43	3986.79	90	81	69	90	3951.04	52.56	32.84	44.76	8	2267.43

Table 10(v)

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

STATE : KERALA

YEAR : 2015-16

SEASON : SUMMER PADDY

STATE SAMPLE

Sl. No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate(KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	1	2705.44	8	3083.37	0	0	7	3137.37	0	0	8	3083.37
2	Kollam	0	0	3	3285.50	1	3736.99	3	3285.5	0	0	4	3398.37
3	Pathanamthitta	0	0	2	6032.77	4	4884.25	2	6032.78	0	0	6	5267.09
4	Alappuzha	0	0	1	2101.4	7	3661.57	1	2101.4	0	0	8	3203.87
5	Kottayam	0	0	3	3858.44	5	4309.07	3	3858.45	0	0	8	4140.08
6	Idukki	1	2489.52	1	2489.52	3	3319.36	0	0	0	0	4	3111.9
7	Eranakulam	0	0	4	3980.34	4	2987.53	4	3980.34	0	0	8	3483.93
8	Thrissur	0	0	4	5537.89	4	5366.04	4	5537.89	0	0	8	5451.96
9	Palakkad	2	1539.01	3	2576.40	7	3927.02	1	4651.2	0	0	10	3521.84
10	Malappuram	0	0	7	6098.77	3	4910.96	7	6098.78	0	0	10	5742.43
11	Kozhikode	0	0	6	2841.53	2	2991.87	6	2841.54	0	0	8	2879.12
12	Wayanad	1	0.999	1	1343.88	3	3134.50	0	4597.92	0	0	4	2686.85
13	Kannur	1	1026.94	6	2728.27	0	0	5	3068.54	0	0	6	2728.27
14	Kasaragod	2	3747.84	6	3820.8	0	0	4	3857.28	0	0	6	3820.8
Total		8	2099.57	55	3798.85	43	3986.79	47	4059.51	0	0	98	3859.87

Table 10(vi)

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

STATE : KERALA

YEAR : 2015-16

SEASON : SUMMER PADDY

CENTRAL SAMPLE

Sl. No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers								Experiments not Treated with Fertilizers	
						No.of Experiments				Rate of application					
		No.	Yield Rate(KG/ Ha)	No.	Yield Rate (KG/Ha)	N	P	K	Exclusiv e Total	Yield Rate (KG/Ha)	N	P	K	No.	Yield Rate(KG/Ha)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	3637.03	0	0	8	8	8	8	3637.03	73.25	39	57.38	0	0
2	Kollam	6	2552.61	0	0	4	4	2	4	2562.61	81.5	47	25	2	2532.6
3	Pathanamthitta	6	3042.20	0	0	6	6	4	6	3042.20	54	22	54.25	0	0
4	Alappuzha	8	3970.52	0	0	8	8	8	8	3970.52	92.88	38	67.25	0	0
5	Kottayam	8	2597.48	8	2597.48	8	8	8	8	2597.48	78.54	41.45	63.43	0	0
6	Idukki	4	4339.68	3	4843.24	3	3	2	3	4843.24	31.67	13.33	16	1	2829
7	Eranakulam	8	1892.8	5	2036.94	7	6	6	7	2042.56	51.43	36.17	36.5	1	844.48
8	Thrissur	8	5930.30	3	5517.67	8	8	8	8	5930.31	56	29.63	40.38	0	0
9	Palakkad	10	2452.9	4	4572.35	8	6	4	8	2906.05	49.25	15.17	37	2	640.3
10	Malappuram	10	4913.84	3	4267.88	8	6	6	8	5573.34	44.38	33.33	70.5	2	2875.87
11	Kozhikode	8	2976.56	3	2923.81	6	6	6	7	2791.42	83.83	61	52.33	1	4272.51
12	Wayanad	4	4618.91	2	4301.18	4	2	3	4	3282.18	41.75	30.5	46	0	0
13	Kannur	6	2853.62	2	5438.46	5	5	5	5	3199.43	70.8	31.4	67	1	1124.57
14	Kasaragod	6	3900.8	1	3790.08	6	4	4	6	3900.8	14.83	9.75	13	0	0
	Total	100	3516.35	34	3681.8	89	80	74	90	3625.78	58.87	31.98	46.14	10	1996.81

Table 10(vi)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS**STATE : KERALA****YEAR : 2015-16****SEASON : SUMMER PADDY****CENTRAL SAMPLE**

Sl. No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	8	3637.03	0	0	8	3637.04	0	0	8	3637.03
2	Kollam	2	2532.6	6	2552.61	0	0	4	2562.62	0	0	6	2552.61
3	Pathanamthitta	0	0	6	3042.21	0	0	6	3042.2	0	0	6	3042.20
4	Alappuzha	0	0	8	3970.52	0	0	8	3970.53	0	0	8	3970.52
5	Kottayam	0	0	0	0	8	2597.48	0	0	0	0	8	2597.48
6	Idukki	0	0	0	0	4	4339.68	0	0	1	2829	3	4843.24
7	Eranakulam	0	0	2	2056.6	6	1838.2	2	2056.6	1	844.48	7	2042.56
8	Thrissur	0	0	5	6177.88	3	5517.67	5	6177.89	0	0	8	5930.30
9	Palakkad	2	640.3	6	1039.93	4	4572.35	4	1239.75	0	0	10	2452.9
10	Malappuram	2	2275.87	7	5190.69	3	4267.88	5	6356.62	0	0	10	4913.84
11	Kozhikode	1	4272.51	5	3008.21	3	2923.81	4	2692.13	0	0	8	2976.56
12	Wayanad	0	0	2	4890.05	2	4301.18	2	4597.92	0	0	4	4595.61
13	Kannur	1	1124.57	4	1561.21	2	5438.46	3	1706.75	0	0	6	2853.62
14	Kasaragod	0	0	5	3922.94	1	3790.08	5	3922.94	0	0	6	3900.8
Total		8	2036.83	64	3479.49	36	3579.3	56	3675.15	2	1836.74	98	3549.68

Table 11(i)

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

STATE : KERALA

YEAR : 2015-16

STATE 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	0	0				
7	Eranakulam	4	4				
8	Thrissur	6	6				
9	Palakkad	6	6				
10	Malappuram	6	6				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	4	4				
Total		50	50				

Table 11(ii)

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

STATE : KERALA

YEAR : 2015-16

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	0	0				
7	Eranakulam	4	4				
8	Thrissur	6	6				
9	Palakkad	6	6				
10	Malappuram	6	6				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	4	4				
	Total	50	50				

Table 11(iii)

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

STATE: KERALA

YEAR: 2015-16

SEASON:ANNUAL

CROP: BANANA

STATE SAMPLE

Sl. No	District	No. of expts. Checked at harvest	HY varieties						Other Varieties						Both Hy & Others					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Total	
			No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	4	0	0	0	0	0	0	4	11250	0	0	4	11250	4	11250	0	0	4	11250
2	Kollam	4	0	0	0	0	0	0	4	12550	0	0	4	12550	4	12550	0	0	4	12550
3	Ptnhta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpzha	4	0	0	0	0	0	0	4	13850	0	0	4	13850	4	13850	0	0	4	13850
5	Kotym	4	0	0	0	0	0	0	2	16467	2	18400	4	17433.3	2	16466.7	2	18400	4	17433.33
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernklm	4	0	0	0	0	0	0	3	12489	1	11133.3	4	12150	3	12488.9	1	11133.3	4	12150
8	Trissur	6	0	0	0	0	0	0	6	18433	0	0	6	18433.3	6	18433.3	0	0	6	18433.33
9	Palkkad	6	0	0	0	0	0	0	6	18189	0	0	6	18188.9	6	18188.9	0	0	6	18188.89
10	Mlpram	6	0	0	0	0	0	0	6	14811	0	0	6	14811.1	6	14811.1	0	0	6	14811.11
11	Kozkd	4	0	0	0	0	0	0	4	13317	0	0	4	13316.7	4	13316.7	0	0	4	13316.67
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	2	16433	2	9066.67	4	12750	2	16433.3	2	9066.67	4	12750
14	Ksrgod	4	0	0	0	0	0	0	4	16500	0	0	4	16500	4	16500	0	0	4	16500
	State	50	0	0	0	0	0	0	45	15150	5	13213.3	50	14956	45	15149.6	5	13213.3	50	14956

Table 11(iv)

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

STATE:KERALA

YEAR: 2015-16

SEASON : ANNUAL BANANA

CENTRAL SAMPLE

Sl.No.	District	No. of expts checked at harvest	HY varieties						Other Varieties						Both Hy & Others					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total	
			No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	4	0	0	0	0	0	0	4	16566.7	0	0	4	16566.7	4	16566.7	0	0	4	16566.7
2	Kollam	4	0	0	0	0	0	0	2	16000	2	14900	4	15450	2	16000	2	14900	4	15450
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	14867	0	0	4	14866.7	4	14867	0	0	4	14866.7
5	Kottm	4	0	0	1	12866.67	1	12866.6	0	0	3	11955.6	3	11955.6	0	0	4	12183.3	4	12183.3
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	3	13800	1	14533.3	4	13983.3	3	13800	1	14533.3	4	13983.3
8	Thrs	6	0	0	0	0	0	0	6	14600	0	0	6	14600	6	14600	0	0	6	14600
9	Pakkd	6	0	0	0	0	0	0	5	13787	1	13733.3	6	13777.8	5	13787	1	13733.3	6	13777.8
10	Mlp	6	0	0	1	11533.33	1	11533.3	4	15050	1	7733.33	5	13586.7	4	15050	2	9633.33	6	13244.4
11	Kozhi	4	0	0	0	0	0	0	4	13450	0	0	4	11450	4	13450	0	0	4	11450
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	20400	2	18633.3	4	19516.7	2	20400	2	18633.3	4	19516.7
14	Ksrgd	4	0	0	0	0	0	0	4	14683	0	0	4	14683.3	4	14683	0	0	4	14683.3
State		50	0	0	2	12200	2	12200	38	14768	10	13893.3	48	14586.1	38	14768	12	13611.1	50	14490.6

Table 11(v)

CROP WISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS**STATE : KERALA****YEAR : 2015-16****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. of Experiments				Rate of application						
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Thiruvananthapuram	4	11250	0	0	3	3	2	3	11222.2	291.47	142.73	260.1	1	11333.3	
2	Kollam	4	12550	0	0	1	1	0	1	14533.3	27.61	6	0	3	11888.8	
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	Alappuzha	4	13850	1	16733.3	2	2	1	2	17533.3	254	139	222	2	10166.6	
5	Kottayam	4	17433.3	1	25533.3	3	2	3	3	16644.4	183.33	134	156.3	1	19800	
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	Eranakulam	4	12150	1	10966.7	2	2	2	2	12083.3	287.69	99.8	118.3	2	12216.6	
8	Thrissur	6	18433.3	0	0	2	2	2	2	15400	116	97	87	4	19950	
9	Palakkad	6	18188.8	0	0	4	5	3	4	19650	75.13	0.02	91.07	2	15266.6	
10	Malappuram	6	14811.1	0	0	5	3	2	5	14240	142.4	113.3	240	1	17666.6	
11	Kozhikode	4	13316.6	0	0	2	1	2	2	16300	149	160	130	2	10333.3	
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	kannur	4	12750	0	0	1	1	0	1	14533.3	118	118	0	3	12155.56	
14	Kasaragod	4	16500	0	0	4	4	0	4	16500	130.13	127.13	0	0	0	
Total		50	14956	3	17744.4	29	26	17	29	15555.17	161.34	103.36	163.1	21	14128.57	

Table 11(v)

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

STATE : KERALA

YEAR : 2015-16

SEASON : ANNUAL, BANANA

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	1	11333.3	4	11250	0	0	3	11222.2	0	0	4	11250
2	Kollam	3	11888.8	4	12550	0	0	1	14533.3	0	0	4	12550
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	2	10166.6	3	12888.8	1	16733.3	1	18333.3	0	0	4	13850
5	Kottayam	1	19800	3	14733.3	1	25533.3	2	12200	0	0	4	17433.3
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	0	0	1	13200	3	11800	1	13200	2	12216.6	2	12083.3
8	Thrissur	4	19950	6	18433.3	0	0	2	15400	0	0	6	18433.3
9	Palakkad	2	7600	6	20400	0	0	4	19650	0	0	6	20400
10	Malappuram	1	17666.6	6	14811.1	0	0	5	14240	0	0	6	14811.1
11	Kozhikode	2	10333.33	4	13316.6	0	0	2	16300	0	0	4	13316.7
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	12800	3	13377.7	1	10866.6	1	14533.3	1	10866.6	3	13377.8
14	Kasaragod	0	0	4	16500	0	0	4	16500	0	0	4	16500
Total		18	13670.37	44	15284.8	6	14755.5	26	15302.6	3	11766.67	47	15441.8

Table 11(vi)

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

STATE : KERALA

YEAR : 2015-16

SEASON : ANNUAL

CROP : BANANA

CENTRAL SAMPLE

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers								Experiments not Treated with Fertilizers	
						No.of Experiments				Rate of application					
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	N	P	K	Exclusive Total	Yield Rate (KG/Ha)	N	P	K	No.	Yield Rate (KG/Ha)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	16566.6	0	0	0	0	0	0	0	0	0	0	4	16566.6
2	Kollam	4	15450	0	0	2	2	1	2	16000	221.5	108	36	2	14900
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	14866.6	0	0	4	4	1	4	14866.6	336	140.5	450	0	0
5	Kottayam	4	12183.3	1	13866.7	3	3	2	3	12755.5	212.67	105.67	149	1	10466.6
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	13983.3	1	14533.3	2	1	1	2	18566.6	209	280	280	2	9400
8	Thrissur	6	14600	0	0	3	1	2	3	15533.3	142	119	119	3	13666.6
9	Palakkad	6	13777.7	0	0	4	2	3	4	12900	211.75	104.5	134	2	15533.3
10	Malappuram	6	13244.4	2	9633.33	5	5	3	5	11946.6	240.2	99.2	415.3	1	19733.3
11	Kozhikode	4	11450	1	18733.3	4	4	2	4	11450	277.25	244.5	292.5	0	0
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	19516.6	2	18633.3	4	4	3	4	19516.6	350	165.5	276	0	0
14	Kasaragod	4	14683.3	0	0	4	4	1	4	14683.3	72.25	72.25	64	0	0
Total		50	14490.6	7	14809.5	35	30	19	35	14497.14	227.26	143.91	221.58	15	14475.5

Table 11(vi)

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

STATE : KERALA				YEAR : 2015-16		SEASON : ANNUAL BANANA				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.	YieldRate 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	4	16566.6	4	16566.6	0	0	0	0	0	0	4	16566.7
2	Kollam	2	14900	4	15450	0	0	2	16000	0	0	4	15450
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	4	14866.6	0	0	4	14866.7	0	0	4	14866.7
5	Kottayam	1	10466.6	3	11622.2	1	13866.6	2	12200	0	0	4	12183.3
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	2	9400	3	13800	1	14533.3	1	22600	0	0	4	13983.3
8	Thrissur	3	13666.6	6	14600	0	0	3	15533.3	0	0	6	14600
9	Palakkad	2	15533.3	6	13777.7	0	0	4	12900	0	0	6	13777.8
10	Malappuram	1	19733.3	4	15050	2	9633.3	3	13488.9	0	0	6	13244.4
11	Kozhikode	0	0	3	9022.2	1	18733.3	3	9022.22	0	0	4	11450
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	2	20400	2	18633.3	2	20400	0	0	4	19516.7
14	Kasaragod	0	0	4	14683.3	0	0	4	14683.3	0	0	4	14683.3
Total		15	14475.56	43	14438.7	7	14809.52	28	14419.1	0	0	50	14490.7

Table 12(i)

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

STATE : KERALA

YEAR : 2015-16

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	Eranakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	4	4				
Total		40	40				

Table 12(ii)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED**STATE : KERALA****YEAR : 2015-16****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	Eranakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	4	4				
Total		40	40				

Table 12 (iii)
ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

STATE:KERALA

YEAR:2015-16

SEASON:ANNUAL

CROP:TAPIOCA

STATE SAMPLE

Sl.No.	District	No. of expts. Checked at harvest	HY varieties						Other Varieties						Both Hy & Others					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total	
			No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	4	1	218750	1	80000	2	149375	1	17500	1	27500	2	22500	2	118125	2	53750	4	85937.5
2	Kollam	4	0	0	0	0	0	0	2	19125	2	40750	4	29938	2	19125	2	40750	4	29937.5
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	2	76250	2	40000	4	58125	2	76250	2	40000	4	58125
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekm	4	2	66250	0	0	2	66250	1	60000	1	31250	2	45625	3	64167	1	31250	4	55937.5
8	Thrs	4	1	18750	1	53750	2	36250	1	72500	1	23750	2	48125	2	45625	2	38750	4	42187.5
9	Pakkd	4	1	61250	0	0	1	61250	2	23750	1	51250	3	32917	3	36250	1	51250	4	40000
10	Mlp	4	0	0	2	46250	2	46250	1	15000	1	13750	2	14375	1	15000	3	35416.7	4	30312.5
11	Kozhi	4	0	0	0	0	0	0	0	0	4	15312.5	4	15313	0	0	4	15312.5	4	15312.5
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	17500	1	17500	1	23750	2	23750	3	23750	1	23750	3	21666.7	4	22187.5
14	Ksrgd	4	0	0	0	0	0	0	2	27500	2	30625	4	29063	2	27500	2	30625	4	29062.5
	State	40	5	86250	5	48750	10	67500	13	37077	17	28176.5	30	32033	18	50736	22	32852.3	40	40900

Table 12 (iv)
ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

STATE:KERALA

YEAR: 2015-16

SEASON:ANNUAL TAPIOCA

CENTRAL SAMPLE

Sl.No.	District	No. of expts. Checked at harvest	HY varieties						Other Varieties						Both Hy & Others					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Total	
			No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	4	2	28125	2	34375	4	31250	0	0	0	0	0	0	2	28125	2	34375	4	31250
2	Kollam	4	0	0	0	0	0	0	0	0	4	33281	4	33281	0	0	4	33281.2	4	33281
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	23500	1	23500	0	0	3	27200	3	27200	0	0	4	26275	4	26275
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	2	75625	2	75625	2	30625	0	0	2	30625	2	30625	2	75625	4	53125
8	Thrs	4	1	30000	1	52500	2	41250	2	53125	0	0	2	53125	3	45416.7	1	52500	4	47188
9	Pakkd	4	0	0	2	25750	2	25750	0	0	2	29375	2	29375	0	0	4	27562.5	4	27563
10	Mlp	4	1	68750	1	17500	2	43125	2	17500	0	0	2	17500	3	34583.3	1	17500	4	30313
11	Kozhi	4	1	22500	0	0	1	22500	2	10000	1	11250	3	10417	3	14166.7	1	11250	4	13438
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	51000	4	51000	0	0	4	51000	4	51000
14	Ksrgd	4	0	0	0	0	0	0	0	0	4	38469	4	38469	0	0	4	38468.7	4	38469
State		40	5	35500	9	40555.56	14	38750	8	27813	18	35700	26	33273	13	30769.2	27	37318.5	40	35190

Table 12 (v)

CROP WISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS**STATE : KERALA****YEAR : 2015-16****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.of Experiments				Rate of application					
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	N	P	K	Exclusiv e Total	Yield Rate (KG/Ha)	N	P	K	No.	Yield Rate (KG/Ha)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	85937.5	1	27500	1	1	3	3	108750	22.5	22.5	304.5	1	17500
2	Kollam	4	29937.5	0	0	2	2	2	2	40750	64.98	32.93	82.33	2	19125
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	58125	0	0	1	1	1	1	91250	88	89	98	3	47083.33
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	55937.5	0	0	2	2	2	2	66250	28	28	56	2	45625
8	Thrissur	4	42187.5	0	0	3	1	2	3	48333.3	41.33	20	34	1	23750
9	Palakkad	4	40000	0	0	1	1	1	1	10000	42	13	37	3	50000
10	Malappuram	4	30312.5	0	0	1	1	1	1	36250	30	15	48	3	28333.33
11	Kozhikode	4	15312.5	0	0	0	0	0	0	0	0	0	0	4	15312.5
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	22187.5	0	0	1	1	0	1	23750	170	170	0	3	21666.67
14	Kasaragod	4	29062.5	0	0	0	0	0	0	0	0	0	0	4	29062.5
State		40	40900	1	27500	12	10	12	14	60464.29	60.85	48.8	94.26	26	30365.38

Table 12(v)

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

STATE : KERALA

YEAR : 2015-16

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	1	17500	3	105416.6	1	27500	2	149375	0	0	4	85937.5
2	Kollam	2	19125	4	29937.5	0	0	2	40750	0	0	4	29937.5
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	2	50000	3	63750	1	41250	1	91250	1	41250	3	63750
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	2	45625	4	55937.5	0	0	2	66250	0	0	4	55937.5
8	Thrissur	1	23750	4	42187.5	0	0	3	48333.3	0	0	4	42187.5
9	Palakkad	2	56250	3	40833.3	1	37500	1	10000	1	37500	3	40833.3
10	Malappuram	2	35625	3	35833.3	1	13750	1	36250	1	13750	3	35833.3
11	Kozhikode	3	15833.3	3	15833.3	1	13750	0	0	1	13750	3	15833.3
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	1	23750	3	21666.6	1	23750	3	21666.6	1	23750
14	Kasaragod	1	18750	1	18750	3	32500	0	0	3	32500	1	18750
State		16	32546.87	29	46198.28	11	26931.8	13	63000	10	26875	30	45575

Table 12(vi)
CROP WISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS
STATE : KERALA YEAR : 2015-16 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.of Experiments				Rate of application					
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	31250	0	0	0	0	0	0	0	0	0	0	4	31250
2	Kollam	4	33281.2	0	0	0	0	1	1	23750	0	0	74	3	36458.3
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	26275	0	0	1	1	0	1	23500	99	99	0	3	27200
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	53125	0	0	1	1	1	1	90000	55	55	110	3	40833.3
8	Thrissur	4	47187.5	0	0	2	2	0	2	62500	30.5	30.5	0	2	31875
9	Palakkad	4	27562.5	0	0	1	1	0	1	39500	62	62	0	3	23583.3
10	Malappuram	4	30312.5	0	0	2	2	2	2	43125	259.5	117	352	2	17500
11	Kozhikode	4	13437.5	0	0	0	0	0	0	0	0	0	0	4	13437.5
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	kannur	4	51000	0	0	0	0	0	0	0	0	0	0	4	51000
14	Kasaragod	4	38468.75	0	0	0	0	0	0	0	0	0	0	4	38468.7
Total		40	35190	0	0	7	7	4	8	48500	101.2	72.7	178.67	32	31862.5

Table 12(vi)

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

STATE : KERALA

YEAR : 2015-16

SEASON : ANNUAL TAPIOCA

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	4	31250	4	31250	0	0	0	0	0	0	4	31250
2	Kollam	2	31562.5	3	28958.3	1	46250	1	23750	1	46250	3	28958.3
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	3	27200	4	26275	0	0	1	23500	0	0	4	26275
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	2	30625	3	50416.6	1	61250	1	90000	1	61250	3	50416.6
8	Thrissur	1	33750	3	52916.6	1	30000	2	62500	1	30000	3	52916.6
9	Palakkad	1	17500	2	28500	2	26625	1	39500	2	26625	2	28500
10	Malappuram	1	21250	3	35833.3	1	13750	2	43125	1	13750	3	35833.3
11	Kozhikode	4	13437.5	4	13437.5	0	0	0	0	0	0	4	13437.5
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	0	0	4	51000	0	0	4	51000	0	0
14	Kasaragod	2	52500	2	52500	2	24437.5	0	0	2	24437.5	2	52500
Total		20	28111.25	28	33936.6	12	38114.5	8	48500	12	38114.5	28	33936.6

Table 13(i)

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

STATE : KERALA

YEAR : 2015-16

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	0	0				
7	Eranakulam	4	4				
8	Thrissur	6	6				
9	Palakkad	6	6				
10	Malappuram	6	6				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	4	4				
	Total	50	50				

Table 13(ii)**CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED****STATE : KERALA****YEAR : 2015-16****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	0	0				
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Eranakulam	4	4				
8	Thrissur	6	6				
9	Palakkad	6	6				
10	Malappuram	6	6				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	4	4				
Total		50	50				

Table 13(iii)

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

STATE:KERALA

YEAR: 2015-16

CROP: Coconut

STATE SAMPLE

Sl.No.	District	No. of expts. Checked at harvest	HY varieties						Other Varieties						Both Hy & Others					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Total	
			No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	4	0	0	0	0	0	0	2	10828	2	15413.3	4	13120.6	2	10827.9	2	15413.3	4	13120.6
2	Kollam	4	0	0	0	0	0	0	0	0	4	7665	4	7665	0	0	4	7665	4	7665
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	4	0	0	0	0	0	0	2	9741	2	11423.4	4	10582.1	2	9740.7	2	11423.4	4	10582.05
5	Kottm	4	0	0	0	0	0	0	0	0	4	4922	4	4922	0	0	4	4922	4	4922
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekm	4	0	0	0	0	0	0	0	0	4	5141.4	4	5141.4	0	0	4	5141.4	4	5141.4
8	Thrs	6	0	0	0	0	0	0	4	11103	2	7663.2	6	9956.67	4	11103.4	2	7663.2	6	9956.67
9	Pakkd	6	0	0	0	0	0	0	5	10172	1	14220	6	10846.7	5	10172	1	14220	6	10846.7
10	Mlp	6	0	0	0	0	0	0	0	0	6	11422.1	6	11422.1	0	0	6	11422.1	6	11422.13
11	Kozhi	4	0	0	0	0	0	0	0	0	4	7611	4	7611	0	0	4	7611	4	7611
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	7339.5	4	7339.5	0	0	4	7339.5	4	7339.5
14	Ksrgd	4	0	0	0	0	0	0	2	8017	2	10546.8	4	9282	2	8017.2	2	10546.8	4	9282
State		50	0	0	0	0	0	0	15	10163	35	8673.19	50	9120.14	15	10163	35	8673.19	50	9120.14

Table 13(iv)

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

STATE:KERALA			YEAR: 2015-16						CROP : Coconut						CENTRAL SAMPLE					
Sl.No.	District	No. of expts. Checked at harvest	HY varieties						Other Varieties						Both Hy & Others					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total	
			No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	4	0	0	0	0	0	0	0	0	4	9409.15	4	9409.15	0	0	4	9409.15	4	9409.15
2	Kollam	4	0	0	0	0	0	0	0	0	4	7350	4	7350	0	0	4	7350	4	7350
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	15168	4	15168	0	0	4	15168	4	15168
5	Kottm	4	0	0	0	0	0	0	0	0	4	9672.8	4	9672.8	0	0	4	9672.8	4	9672.8
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekm	4	0	0	0	0	0	0	0	0	4	7325.45	4	7325.45	0	0	4	7325.45	4	7325.45
8	Thrs	6	0	0	0	0	0	0	2	7560.2	4	16140.1	6	13280.1	2	7560.2	4	16140.1	6	13280.13
9	Pakkd	6	0	0	0	0	0	0	0	0	6	8863.8	6	8863.8	0	0	6	8863.8	6	8863.8
10	Mlp	6	0	0	0	0	0	0	0	0	6	16038.9	6	16038.9	0	0	6	16038.9	6	16038.93
11	Kozhi	4	0	0	0	0	0	0	0	0	4	7138	4	7138	0	0	4	7138	4	7138
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	10720.5	4	10720.5	0	0	4	10720.5	4	10720.5
14	Ksrgd	4	0	0	0	0	0	0	2	9343.2	2	9730.8	4	9537	2	9343.2	2	9730.8	4	9537
State			50	0	0	0	0	0	4	8451.7	46	10882	50	10687.6	4	8451.7	46	10882	50	10687.62

Table 13(v)

CROP WISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS**STATE : KERALA****YEAR : 2015-16****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.of Experiments				Rate of application					
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	N	P	K	Exclusive Total	Yield Rate (KG/Ha)	N	P	K	No.	Yield Rate (KG/Ha)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	13120.6	0	0	0	0	0	0	0	0	0	0	4	13120.6
2	Kollam	4	7665	0	0	0	0	0	0	0	0	0	0	4	7665
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	10582.05	0	0	0	0	0	0	0	0	0	0	4	10462.55
5	Kottayam	4	4922	0	0	0	0	0	0	0	0	0	0	4	4922
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	5141.4	0	0	0	0	0	0	0		0	0	4	5141.4
8	Thrissur	6	9956.67	0	0	0	0	0	0	0	0	0	0	6	9956.67
9	Palakkad	6	10846.7	0	0	2	1	1	2	14883.6	48	50	150	4	8828.25
10	Malappuram	6	11422.13	0	0	2	1	0	2	10324	79.13	100.77	0	4	11971.2
11	Kozhikode	4	7611	0	0	0	0	0	0	0	0	0	0	4	7611
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	7339.5	0	0	0	0	0	0	0	0	0	0	4	7339.5
14	Kasaragod	4	9232	0	0	1	1	0	1	10526.4	18.4	50.56	0	3	8867.2
	Total	50	9120.14	0	0	5	3	1	5	12188.32	48.51	67.11	150	45	8768.61

Table 13(v)

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

STATE : KERALA

YEAR : 2015-16

SEASON : ANNUAL

Coconut

STATE SAMPLE

Sl. No.	District	Experiments Treated with Manure only		Experiments Treated with Manure		Experiments Not Treated with Manure		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	11198.67	3	11198.67	1	18886.4	0	0	1	18886.4	3	11198.67
2	Kollam	4	7665	4	7665	0	0	0	0	0	0	4	7665
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	2	9740.7	2	9740.7	2	11423.4	0	0	2	11423.4	2	9740.7
5	Kottayam	2	7104.8	2	7104.8	2	2739.2	0	0	2	2739.2	2	7104.8
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	5141.4	4	5141.4	0	0	0	0	0	0	4	5141.4
8	Thrissur	6	9956.67	6	9956.67	0	0	0	0	0	0	6	9956.67
9	Palakkad	2	7323.3	4	11103.45	2	10333.2	2	14883.6	2	10333.2	4	11103.45
10	Malappuram	4	11971.2	6	11422.13	0	0	2	10324	0	0	6	11422.13
11	Kozhikode	2	7761.5	2	7761.5	2	7460.5	0	0	2	7460.5	2	7761.5
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	0	0	4	7339.5	0	0	4	7339.5	0	0
14	Kasaragod	3	8867.2	4	9282	0	0	1	10526.4	0	0	4	9282
Total		32	8840.89	37	9293.25	13	8627.46	5	12188.3	13	8627.46	37	9293.25

Table 13(vi)															
CROP WISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS															
STATE : KERALA				YEAR : 2015-16		SEASON : ANNUAL		CROP: Coconut		CENTRAL SAMPLE					
Sl.No	Districts	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers								No.	Yield Rate (KG/Ha)
						No. Of Experiments				Rate of Application					
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	N	P	K	Exclusiv e 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	9409.15	0	0	0	0	0	0	0	0	0	0	4	9409.15
2	Kollam	4	7350	0	0	0	0	0	0	0	0	0	0	4	7350
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	15168	0	0	0	0	0	0	0	0	0	0	4	15168
5	Kottayam	4	9672.8	0	0	0	0	0	0	0	0	0	0	4	9672.8
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	7325.45	0	0	0	0	0	0	0	0	0	0	4	7325.45
8	Thrissur	6	13280.13	0	0	0	0	0	0	0	0	0	0	6	13280.13
9	Palakkad	6	8863.8	0	0	0	0	0	0	0	0	0	0	6	8863.8
10	Malappuram	6	16038.93	0	0	0	0	0	0	0	0	0	0	6	16038.9
11	Kozhikode	4	7138	0	0	0	0	0	0	0	0	0	0	4	7138
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	10720.5	0	0	3	1	1	3	12082	76	31	31	1	6636
14	Kasaragod	4	9537	0	0	1	0	0	1	11464.8	126	0	0	3	8894.4
Total		50	10687.62	0	0	4	1	1	4	11927.7	101	31	31	46	10579.78

Table 13(vi)

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

STATE : KERALA

YEAR : 2015-16

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	0	0	0	0	4	9409.15	0	0	4	9409.15	0	0
2	Kollam	2	7938	2	7938	2	6762	0	0	2	6762	2	7938
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	15168	4	15168	0	0	0	0	0	0	4	15168
5	Kottayam	1	9159.2	1	9159.2	3	9844	0	0	3	9844	1	9159.2
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	3	8081.3	3	8081.3	1	5057.8	0	0	1	5057.8	3	8081.3
8	Thrissur	5	12846.16	5	12846.16	1	15450	0	0	1	15450	5	12846.16
9	Palakkad	0	0	0	0	6	8863.8	0	0	6	8863.8	0	0
10	Malappuram	4	14906	4	14906	2	18304.8	0	0	2	18304.8	4	14906
11	Kozhikode	3	8399.3	3	8399.3	1	3354	0	0	1	3354	3	8399.3
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	6636	4	10720.5	0	0	3	12082	0	0	4	10720.5
14	Kasaragod	3	8894.4	4	9537	0	0	1	11464.8	0	0	4	9537
Total		26	11243.2	30	11334.47	20	9717.34	4	12029.2	20	9717.34	30	11334.47

Table 14(i)

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

STATE : KERALA

YEAR : 2015-16

STATE SAMPLE

SEASON : PERENNIAL

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	Eranakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	4	4				
Total		40	40				

Table 14(ii)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED**STATE : KERALA****YEAR : 2015-16****CENTRAL SAMPLE****SEASON : PERENNIAL****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	Eranakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	4	4				
Total		40	40				

Table 14(iii)

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

STATE: KERALA

YEAR: 2015-16

SEASON: PERENNIAL

CROP: PEPPER

STATE SAMPLE

Sl.No.	District	No. of expts. Checked at harvest	HY varieties						Other Varieties						Both Hy & Others					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total	
			No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	4	1	2582.54	0	0	1	2582.54	1	675	2	367.36	3	470.02	2	1628.94	2	367.36	4	998.15
2	Kollam	4	0	0	0	0	0	0	0	0	4	325.2	4	325.2	0	0	4	325.2	4	325.2
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	493.67	4	493.67	0	0	4	493.67	4	493.67
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekm	4	0	0	0	0	0	0	0	0	4	225.11	4	225.11	0	0	4	225.11	4	225.11
8	Thrs	4	0	0	0	0	0	0	2	260	2	804.75	4	532.35	2	259.94	2	804.75	4	532.35
9	Pakkd	4	2	350.86	2	740.23	4	545.55	0	0	0	0	0	0	2	350.86	2	740.23	4	545.55
10	Mlp	4	0	0	0	0	0	0	0	0	4	69.11	4	69.11	0	0	4	69.11	4	69.11
11	Kozhi	4	0	0	0	0	0	0	0	0	4	227.68	4	227.68	0	0	4	227.68	4	227.68
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	464.15	4	464.15	0	0	4	464.15	4	464.15
14	Ksrgd	4	2	659.57	0	0	2	659.57	0	0	2	1141.32	2	1141.32	2	659.57	2	1141.32	4	900.44
	State	40	5	920.68	2	740.23	7	869.12	3	398	30	394.88	33	395.2	8	724.83	32	416.47	40	478.14

Table 14(iv)

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

STATE:KERALA

YEAR: 2015-16

SEASON: PERENNIAL

CROP: PEPPER

CENTRAL SAMPLE

Sl.No.	District	No. of expts. Checked at harvest	HY varieties						Other Varieties						Both Hy & Others					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total	
			No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	4	0	0	0	0	0	0	0	0	4	479.92	4	479.92	0	0	4	479.92	4	479.92
2	Kollam	4	0	0	0	0	0	0	0	0	4	718.59	4	718.59	0	0	4	718.59	4	718.59
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	2	718.96	2	718.96	0	0	2	757.82	2	757.82	0	0	4	738.39	4	738.39
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekm	4	0	0	0	0	0	0	2	236	2	523.91	4	380.2	2	236.48	2	523.91	4	380.2
8	Thrs	4	2	549.5	0	0	2	549.95	2	459	0	0	2	459.39	4	504.67	0	0	4	504.67
9	Pakkd	4	0	0	4	847.1	4	847.1	0	0	0	0	0	0	0	0	4	847.1	4	847.1
10	Mlp	4	0	0	0	0	0	0	0	0	4	396.69	4	396.69	0	0	4	396.69	4	396.69
11	Kozhi	4	0	0	0	0	0	0	0	0	4	151.23	4	151.23	0	0	4	151.23	4	151.23
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	733.63	4	733.63	0	0	4	733.63	4	733.63
14	Ksrgd	4	0	0	0	0	0	0	1	557	3	287.44	4	354.9	1	557.28	3	287.44	4	354.9
State		40	2	549.5	6	804.39	8	740.78	5	390	27	494.3	32	477.97	7	435.56	33	550.68	40	530.53

Table 14(v)

CROP WISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS**STATE : KERALA****YEAR : 2015-16****SEASON :PERENNIAL****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	
						No.of Experiments				Rate of application						
		No.	Yield Rate(KG/H a)	No.	Yield Rate (KG/Ha)	N	P	K	Exclusive Total	Yield Rate (KG/Ha)	N	P	K	No.	Yield Rate (KG/Ha)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Thiruvananthapuram	4	998.15	0	0	0	0	0	0	0	0	0	0	4	998.15	
2	Kollam	4	325.2	0	0	0	0	0	0	0	0	0	0	4	325.20	
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	493.67	0	0	0	0	0	0	0	0	0	0	4	493.67	
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	Eranakulam	4	225.11	0	0	0	0	0	0	0	0	0	0	4	225.11	
8	Thrissur	4	532.35	0	0	0	0	0	0	0	0	0	0	4	532.34	
9	Palakkad	4	545.55	0	0	0	0	0	0	0	0	0	0	4	545.54	
10	Malappuram	4	69.11	0	0	0	0	0	0	0	0	0	0	4	69.11	
11	Kozhikode	4	227.68	0	0	0	0	0	0	0	0	0	0	4	227.67	
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kannur	4	464.15	0	0	0	0	0	0	0	0	0	0	4	464.15	
14	Kasargod	4	900.44	0	0	0	0	0	0	0	0	0	0	4	900.44	
State		40	478.14	0	0	0	0	0	0	0	0	0	0	40	478.14	

Table 14(v)

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

STATE : KERALA

YEAR : 2015-16

SEASON :PERENNIAL

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	1628.93	2	1628.93	2	367.37	0	0	2	367.37	2	1628.93
2	Kollam	4	325.20	4	325.20	0	0	0	0	0	0	4	325.20
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	1275.87	1	1275.87	3	232.93	0	0	3	232.93	1	1275.87
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	0	0	0	0	4	225.11	0	0	4	225.11	0	0
8	Thrissur	4	532.34	4	532.34	0	0	0	0	0	0	4	532.34
9	Palakkad	2	350.86	2	350.86	2	740.23	0	0	2	740.23	2	350.86
10	Malappuram	0	0	0	0	4	69.11	0	0	4	69.11	0	0
11	Kozhikode	2	90.93	2	90.93	2	364.43	0	0	2	364.43	2	90.93
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	482.12	2	482.12	2	446.19	0	0	2	446.19	2	482.12
14	Kasaragod	3	1092.55	3	1092.55	1	324.10	0	0	1	324.10	3	1092.55
State		20	654.47	20	654.47	20	301.81	0	0	20	301.81	20	654.47

Table 14(vi)

CROP WISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS**STATE : KERALA****YEAR : 2015-16****SEASON : PERENNIAL CROP : 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.of Experiments				Rate of application					
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	N	P	K	Exclusive Total	Yield Rate (KG/Ha)	N	P	K	No.	Yield Rate (KG/Ha)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	479.92	0	0	0	0	0	0	0	0	0	0	4	479.92
2	Kollam	4	718.6	0	0	0	0	0	0	0	0	0	0	4	718.6
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	738.39	0	0	0	0	0	0	0	0	0	0	4	738.39
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	380.2	0	0	0	0	0	0	0	0	0	0	4	380.2
8	Thrissur	4	504.67	0	0	0	0	0	0	0	0	0	0	4	504.67
9	Palakkad	4	847.1	0	0	0	0	0	0	0	0	0	0	4	847.1
10	Malappuram	4	396.69	0	0	0	0	0	0	0	0	0	0	4	396.69
11	Kozhikode	4	151.24	0	0	0	0	0	0	0	0	0	0	4	151.24
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	733.63	0	0	0	0	0	0	0	0	0	0	4	733.63
14	Kasaragod	4	354.9	0	0	0	0	0	0	0	0	0	0	4	354.9
Total		40	530.53	0	0	0	0	0	0	0	0	0	0	40	530.53

Table 14(vi)

CROP WISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS**STATE : KERALA****YEAR : 2015-16****SEASON : PERENNIAL****CROP: PEPPER****CENTRAL SAMPLE**

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	0	0	4	479.92	0	0	4	479.92	0	0
2	Kollam	0	0	0	0	4	718.59	0	0	4	718.59	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	738.39	0	0	4	738.39	0	0
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	2	236.47	2	236.47	2	523.92	0	0	2	523.92	2	236.47
8	Thrissur	2	459.38	2	459.38	2	549.94	0	0	2	549.94	2	459.38
9	Palakkad	0	0	0	0	4	847.09	0	0	4	847.09	0	0
10	Malappuram	1	854.25	1	854.25	3	244.17	0	0	3	244.17	1	854.25
11	Kozhikode	1	246.37	1	246.37	3	119.52	0	0	3	119.52	1	246.37
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	904.11	2	904.11	2	563.14	0	0	2	563.14	2	904.11
14	Kasaragod	4	354.89	4	354.89	0	0	0	0	0	0	4	354.89
Total		12	476.68	12	476.68	28	553.61	0	0	28	553.61	12	476.68

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

STATE : KERALA

YEAR : 2015-16

STATE SAMPLE

SEASON : PERENNIAL

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	Eranakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	4	4				
Total		40	40				

Table 15(ii)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED**STATE : KERALA****YEAR : 2015-16****CENTRAL SAMPLE****SEASON : PERENNIAL****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	Eranakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	4	4				
Total		40	40				

Table 15(iii)

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

STATE : KERALA

YEAR :2015-16

SEASON : PERENNIAL

CROP: ARECANUT

STATE SAMPLE

Sl.No.	Dist	No. of expts. Checked at harvest	HY varieties						Other Varieties						Both Hy & Others					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Total	
			No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha	No.of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	4	0	0	0	0	0	0	0	0	4	1383.73	4	1383.73	0	0	4	1383.73	4	1383.73
2	Kollam	4	0	0	0	0	0	0	0	0	4	918	4	918	0	0	4	918	4	918
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	746.95	4	746.95	0	0	4	746.95	4	746.95
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	1779.16	1	876.9	2	1328.03	0	0	2	1438.97	2	1438.97	1	1779.16	3	1251.61	4	1383.5
8	Thrs	4	0	0	0	0	0	0	3	222	1	17.91	4	170.69	3	221.62	1	17.91	4	170.69
9	Pakkd	4	1	1601.36	0	0	1	1601.36	3	1439	0	0	3	1438.54	4	1479.25	0	0	4	1479.25
10	Mlp	4	0	0	0	0	0	0	0	0	4	275.56	4	275.56	0	0	4	275.56	4	275.56
11	Kozhi	4	0	0	0	0	0	0	0	0	4	803.48	4	803.48	0	0	4	803.48	4	803.48
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	1394.17	4	1394.17	0	0	4	1394.17	4	1394.17
14	Ksrgd	4	0	0	0	0	0	0	3	3742	1	1576.31	4	3200.7	3	3742.16	1	1576.31	4	3200.7
State		40	2	1690.26	1	876.9	3	1419.14	9	1801	28	948.56	37	1155.86	11	1780.68	29	946.09	40	1175.6

Table 15(iv)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES
STATE : KERALA YEAR :2015-16 SEASON : PERENNIAL CROP: ARECANUT CENTRAL SAMPLE

Sl.No.	District	No. of expts. Checked at harvest	HY varieties						Other Varieties						Both Hy & Others					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		Total	
			No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	4	0	0	0	0	0	0	0	0	4	751.18	4	751.18	0	0	4	751.18	4	751.18
2	Kollam	4	0	0	1	2523.9	1	2523.9	0	0	3	310.56	3	310.56	0	0	4	863.9	4	863.9
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	1327.08	4	1327.08	0	0	4	1327.08	4	1327.08
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekm	4	0	0	0	0	0	0	2	464	2	1122.01	4	792.91	2	463.81	2	1122.01	4	792.91
8	Thrs	4	1	2281.13	0	0	1	2281.13	2	1891	1	624.57	3	1468.52	3	2020.71	1	624.57	4	1671.67
9	Pakkd	4	0	0	0	0	0	0	1	1369	3	1683.54	4	1604.82	1	1368.65	3	1683.54	4	1604.82
10	Mlp	4	0	0	0	0	0	0	2	1056	2	1754.74	4	1405.19	2	1055.64	2	1754.74	4	1405.19
11	Kozhi	4	0	0	0	0	0	0	0	0	4	1912.28	4	1912.28	0	0	4	1912.28	4	1912.28
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	2403.89	4	2403.89	0	0	4	2403.89	4	2403.89
14	Ksrgd	4	1	2358.13	0	0	1	2358.13	3	3539	0	0	3	3538.6	4	3243.49	0	0	4	3243.49
State		40	2	2319.63	1	2523.9	3	2387.73	10	1880	27	1405.11	37	1533.58	12	1953.63	28	1445.07	40	1597.64

Table 15(v)

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

STATE : KERALA

YEAR : 2015-16

SEASON : PERENNIAL

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	
						No.of Experiments				Rate of application					
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	N	P	K	Exclusive Total	Yield Rate (KG/Ha)	N	P	K	No.	Yield Rate (KG/Ha)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	1383.73	0	0	0	0	0	0	0	0	0	0	4	1383.73
2	Kollam	4	917.99	0	0	0	0	0	0	0	0	0	0	4	917.99
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	746.94	0	0	0	0	0	0	0	0	0	0	4	746.94
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	1383.5	0	0	0	0	0	0	0	0	0	0	4	1383.5
8	Thrissur	4	170.69	0	0	0	0	0	0	0	0	0	0	4	170.69
9	Palakkad	4	1479.24	2	1664.72	2	2	0	2	1664.73	120	120	0	2	1293.76
10	Malappuram	4	275.56	0	0	0	0	0	0	0	0	0	0	4	275.56
11	Kozhikode	4	803.47	0	0	0	0	0	0	0	0	0	0	4	803.47
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	1394.17	0	0	0	0	0	0	0	0	0	0	4	1394.17
14	Kasaragod	4	3200.69	0	0	0	0	0	0	0	0	0	0	4	3200.69
State		40	1175.6	2	1664.72	2	2	0	2	1664.73	120	120	0	38	1149.86

Table 15(v)

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

STATE : KERALA

YEAR : 2015-16

SEASON : PERENNIAL

CROP:ARECANUT

STATE SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	2	1815.54	2	1815.54	2	951.92	0	0	2	951.92	2	1815.54
2	Kollam	0	0	0	0	4	917.99	0	0	4	917.99	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	2	1335.57	2	1335.57	2	158.32	0	0	2	158.32	2	1335.57
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	2	1612.23	2	1612.23	2	1154.76	0	0	2	1154.76	2	1612.23
8	Thrissur	3	221.62	3	221.62	1	17.91	0	0	1	17.91	3	221.62
9	Palakkad	1	1483.85	1	1483.85	3	1643.61	0	0	1	1103.67	3	1604.43
10	Malappuram	2	271.48	2	271.48	2	1118.55	0	0	2	279.64	2	271.48
11	Kozhikode	0	0	0	0	4	803.47	0	0	4	803.47	0	0
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	2030.55	2	2030.55	2	757.79	0	0	2	757.79	2	2030.55
14	Kasaragod	3	3742.15	3	3742.15	1	1576.31	0	0	1	1576.31	3	3742.15
State		17	1618	17	1618	23	943.2	0	0	21	770.89	19	1622.92

Table 15(vi)

CROP WISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS**STATE : KERALA****YEAR : 2015-16****SEASON : PERENNIAL****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	
		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	751.18	0	0	0	0	0	0	0	0	0	0	4	751.18
2	Kollam	4	863.9	0	0	0	0	0	0	0	0	0	0	4	863.9
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	1327.08	0	0	0	0	0	0	0	0	0	0	4	1327.08
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	792.91	0	0	0	0	0	0	0	0	0	0	4	792.91
8	Thrissur	4	1671.67	0	0	0	0	0	0	0	0	0	0	4	1671.67
9	Palakkad	4	1604.82	0	0	0	0	0	0	0	0	0	0	4	1604.82
10	Malappuram	4	1405.19	0	0	0	0	0	0	0	0	0	0	4	1405.19
11	Kozhikode	4	1912.28	0	0	0	0	0	0	0	0	0	0	4	1912.28
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	2403.89	0	0	0	0	0	0	0	0	0	0	4	2403.89
14	Kasaragod	4	3243.49	0	0	0	0	1	1	2358.13	0	0	312	3	3538.60
Total		40	1597.64	0	0	0	0	1	1	2358.13	0	0	312	39	1578.14

Table 15(vi)

CROP WISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS**STATE : KERALA****YEAR : 2015-16****SEASON : ANNUAL****CROP: ARECANUT****CENTRAL SAMPLE**

Sl. No	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	1	1113.56	1	1113.56	3	630.384	0	0	3	630.38	1	1113.56
2	Kollam	1	2523.93	1	2523.93	3	310.56	0	0	3	310.55	1	2523.93
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	1327.08	0	0	4	1327.08	0	0
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	3	707.86	3	707.86	1	1048.06	0	0	1	1048.06	3	707.86
8	Thrissur	1	2314.71	1	2314.71	3	1457.33	0	0	3	1457.33	1	2314.71
9	Palakkad	1	1009.20	1	1009.20	3	1803.36	0	0	3	1803.36	1	1009.20
10	Malappuram	3	1409.85	3	1409.85	1	1391.21	0	0	1	1391.21	3	1409.85
11	Kozhikode	0	0	0	0	4	1912.28	0	0	4	1912.28	0	0
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	2608.26	2	2608.26	2	2199.52	0	0	2	2199.52	2	2608.26
14	Kasaragod	3	3538.61	4	3243.49	0	0	1	2358.13	0	0	4	3243.49
Total		15	1943.12	16	1969.06	24	1350.03	1	2358.13	24	1350.03	16	1969.06

Table 16(i)															
State Wise Position of Supply and Use of Equipments															
State : Kerala										Year : 2015-16					
Crop	AGENCY	Item of equipment	No of experiments supervised (harvest & post harvest) for which equipments was												
			Supplied						Not supplied				Information about supply not available	Total of columns 8,13 &14	
			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
				Standard	Non standard				Standard	Non standard					
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Paddy (Autumn)	C	Tape	75	21	0	0	0	96	2	1	0	0	3	0	99
		Balance	85	10	0	0	4	99	0	0	0	0	0	0	99
		Weight	54	10	0	0	4	68	0	0	0	31	31	0	99
		Pegs	37	18	3	0	0	58	34	7	0	0	41	0	99
	S	Tape	100	0	0	0	0	100	0	0	0	0	0	0	100
		Balance	91	0	0	0	9	100	0	0	0	0	0	0	100
		Weight	79	0	0	0	21	100	0	0	0	0	0	0	100
		Pegs	100	0	0	0	0	100	0	0	0	0	0	0	100
Paddy (Winter)	C	Tape	90	8	2	0	0	100	0	0	0	0	0	0	100
		Balance	92	7	0	0	0	99	1	0	0	0	1	0	100
		Weight	49	7	0	0	4	60	1	0	0	39	40	0	100
		Pegs	31	29	9	0	0	69	22	9	0	0	31	0	100
	S	Tape	98	0	0	0	2	100	0	0	0	0	0	0	100
		Balance	89	0	0	0	11	100	0	0	0	0	0	0	100
		Weight	77	0	0	0	23	100	0	0	0	0	0	0	100
		Pegs	98	0	0	0	2	100	0	0	0	0	0	0	100
Paddy (Summer)	C	Tape	93	7	0	0	0	100	0	0	0	0	0	0	100
		Balance	86	14	0	0	0	100	0	0	0	0	0	0	100
		Weight	53	8	0	0	8	69	0	0	0	31	31	0	100
		Pegs	45	29	0	0	0	74	18	8	0	0	26	0	100
	S	Tape	96	0	0	0	2	98	0	0	0	0	0	0	98
		Balance	88	0	0	0	10	98	0	0	0	0	0	0	98
		Weight	65	0	0	0	32	97	0	0	0	1	1	0	98
		Pegs	96	0	0	0	2	98	0	0	0	0	0	0	98

Table 16(ii)

State Wise Position of Supply and Use of Equipments

State : Kerala

Year : 2015-16

Crop	AGENCY	Item of equipment	No of experiments supervised (harvest & post harvest) for which equipments was												
			Supplied						Not supplied				Information about supply not available	Total of columns 8,13 &14	
			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
				Standard	Non standard				Standard	Non standard					
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Tapioca	C	Tape	34	4	0	0	2	40	0	0	0	0	0	0	40
		Balance	36	4	0	0	0	40	0	0	0	0	0	0	40
		Weight	21	4	0	0	1	26	0	0	0	14	14	0	40
		Pegs	15	8	1	0	2	26	8	2	0	4	14	0	40
	S	Tape	38	0	0	0	2	40	0	0	0	0	0	0	40
		Balance	36	0	0	0	4	40	0	0	0	0	0	0	40
		Weight	36	0	0	0	4	40	0	0	0	0	0	0	40
		Pegs	37	0	0	0	3	40	0	0	0	0	0	0	40
Banana	C	Tape	1	0	0	0	41	42	0	0	0	8	8	0	50
		Balance	42	8	0	0	0	50	0	0	0	0	0	0	50
		Weight	23	6	0	0	6	35	0	0	2	13	15	0	50
		Pegs	0	0	0	0	38	38	0	0	0	12	12	0	50
	S	Tape	2	0	0	0	48	50	0	0	0	0	0	0	50
		Balance	50	0	0	0	0	50	0	0	0	0	0	0	50
		Weight	34	0	0	0	16	50	0	0	0	0	0	0	50
		Pegs	2	0	0	0	48	50	0	0	0	0	0	0	50
Coconut	C	Tape	0	2	0	0	42	44	0	0	0	6	6	0	50
		Balance	4	2	0	0	38	44	0	0	0	6	6	0	50
		Weight	2	0	0	0	34	36	0	0	0	14	14	0	50
		Pegs	0	0	0	0	38	38	0	0	0	12	12	0	50
	S	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	48	48	0	0	0	2	2	0	50
		Pegs	0	0	0	0	50	50	0	0	0	0	0	0	50

Table 16(iii)															
State Wise Position of Supply and Use of Equipments															
State : Kerala										Year : 2015-16					
Crop	AGENCY	Item of equipment	No of experiments supervised (harvest & post harvest) for which equipments was												
			Supplied						Not supplied					Information about supply not available	Total of columns 8,13 &14
			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		
				Standard	Non standard				Standard	Non standard					
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Pepper	C	Tape	0	0	0	0	34	34	0	0	0	6	6	0	40
		Balance	34	4	0	0	0	38	2	0	0	0	2	0	40
		Weight	16	4	0	0	10	30	2	0	0	8	10	0	40
		Pegs	2	0	0	0	30	32	0	0	3	5	8	0	40
	S	Tape	2	0	0	0	38	40	0	0	0	0	0	0	40
		Balance	36	0	0	0	4	40	0	0	0	0	0	0	40
		Weight	22	0	0	0	18	40	0	0	0	0	0	0	40
		Pegs	2	0	0	0	38	40	0	0	0	0	0	0	40
Arecanut	C	Tape	0	0	0	0	35	35	0	0	0	5	5	0	40
		Balance	36	2	2	0	0	40	0	0	0	0	0	0	40
		Weight	24	2	0	0	2	28	0	0	0	12	12	0	40
		Pegs	0	0	0	0	30	30	0	0	0	10	10	0	40
	S	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	22	0	0	0	18	40	0	0	0	0	0	0	40
		Pegs	0	0	0	0	40	40	0	0	0	0	0	0	40

Table 17(i)

Yield Rates(Kg/Ha) of Rice Under GCES and ICS 2015-16

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	2557	2503	2338	2629	2980	2726	2345	2026	2390
2	Kollam	2432	1886	2558	2054	2146	2058	2000	2233	1677
3	Pathanamthitta	2214	2216	2152	2403	2671	2515	3511	3460	1999
4	Alappuzha	3001	1191	931	2458	843	2806	2751	2462	2609
5	Kottayam	3330	2809	3447	2886	2514	2946	2996	2720	1707
6	Idukki	2185	2792	1959	2513	2223	2317	2426	2045	2851
7	Eranakulam	1868	1955	1268	2218	2285	2088	2052	2289	1244
8	Thrissur	2261	2146	2465	2988	2859	2403	3739	3582	3896
9	Palakkad	2625	2681	1664	2977	2534	2346	2904	2314	1612
10	Malappuram	2081	1995	1839	2329	1907	2540	3959	3773	3228
11	Kozhikode	1234	976	1348	1100	1370	759	2089	1892	1956
12	Wayanad	0	0	0	2582	2572	2289	2480	1771	3035
13	Kannur	2154	1851	1472	2051	1868	2059	1714	1792	1875
14	Kasaragod	2316	2743	1971	1999	2276	1892	2413	2510	2563
State		2663	2049	1906	2734	2194	2286	3057	2565	2310

CHART - I

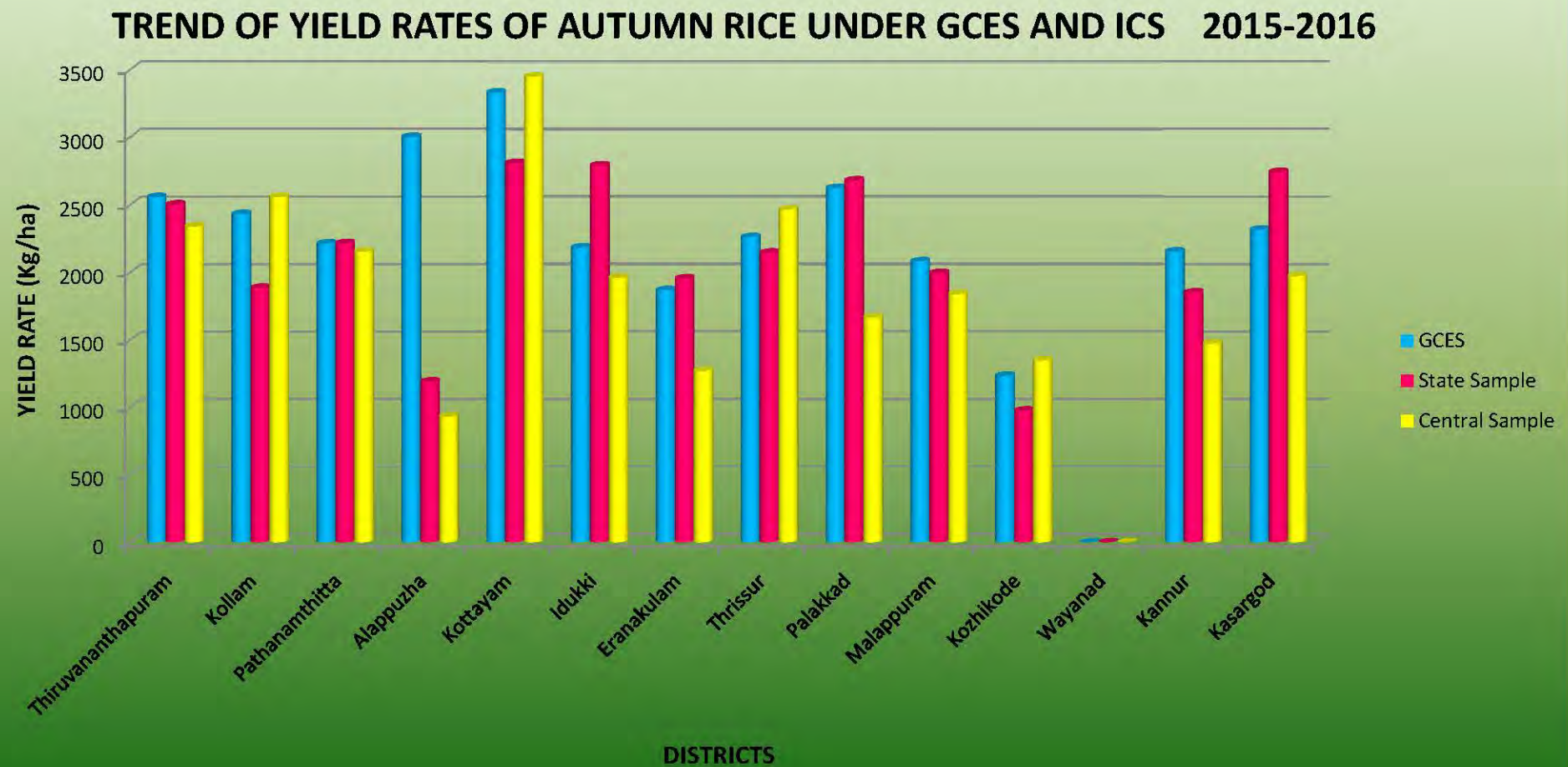


CHART -II

TREND OF YIELD RATES OF WINTER RICE UNDER GCES AND ICS 2015-2016

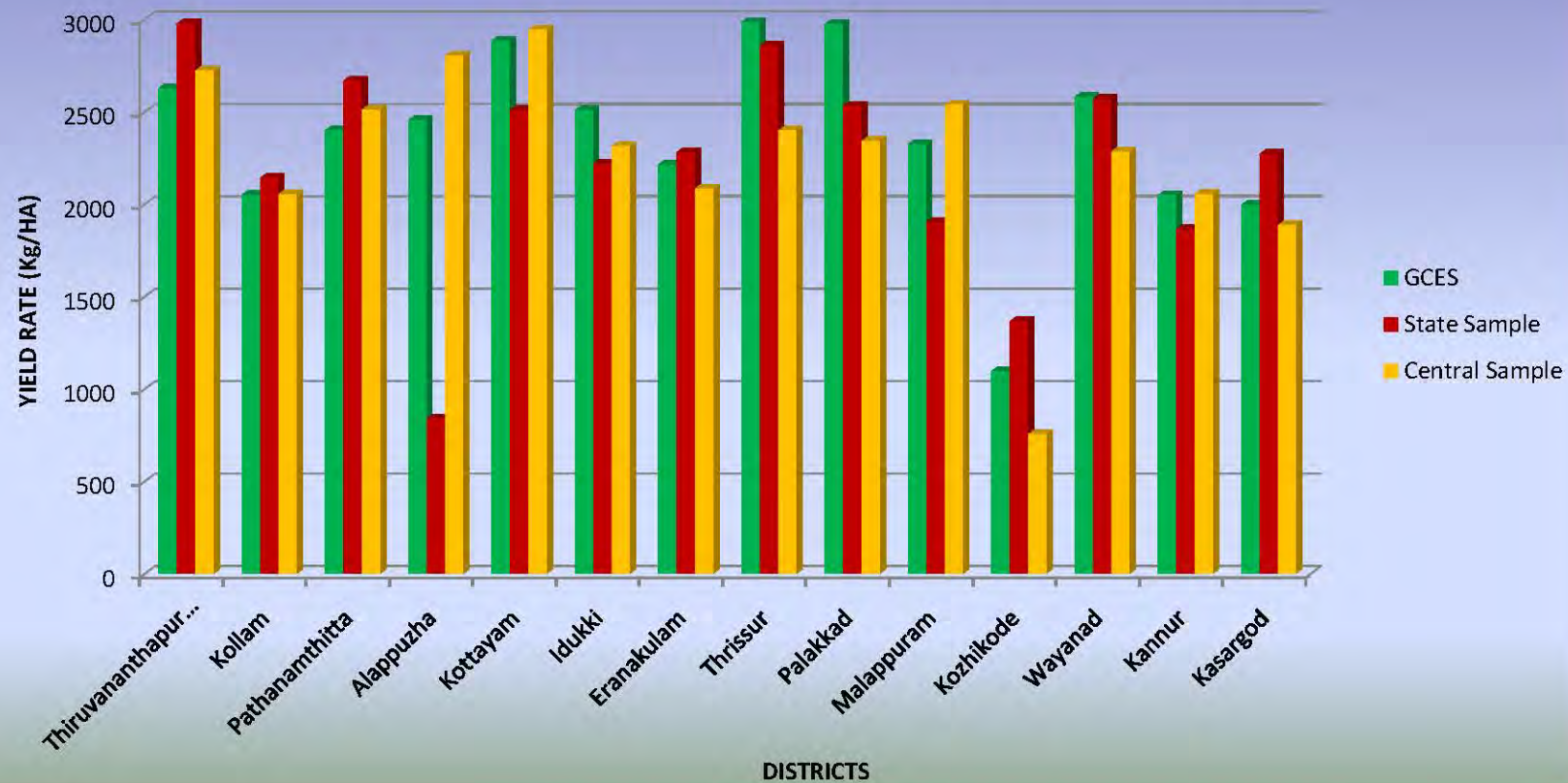


CHART - III

TREND OF YIELD RATES OF SUMMER RICE UNDER GCES AND ICS 2015-2016

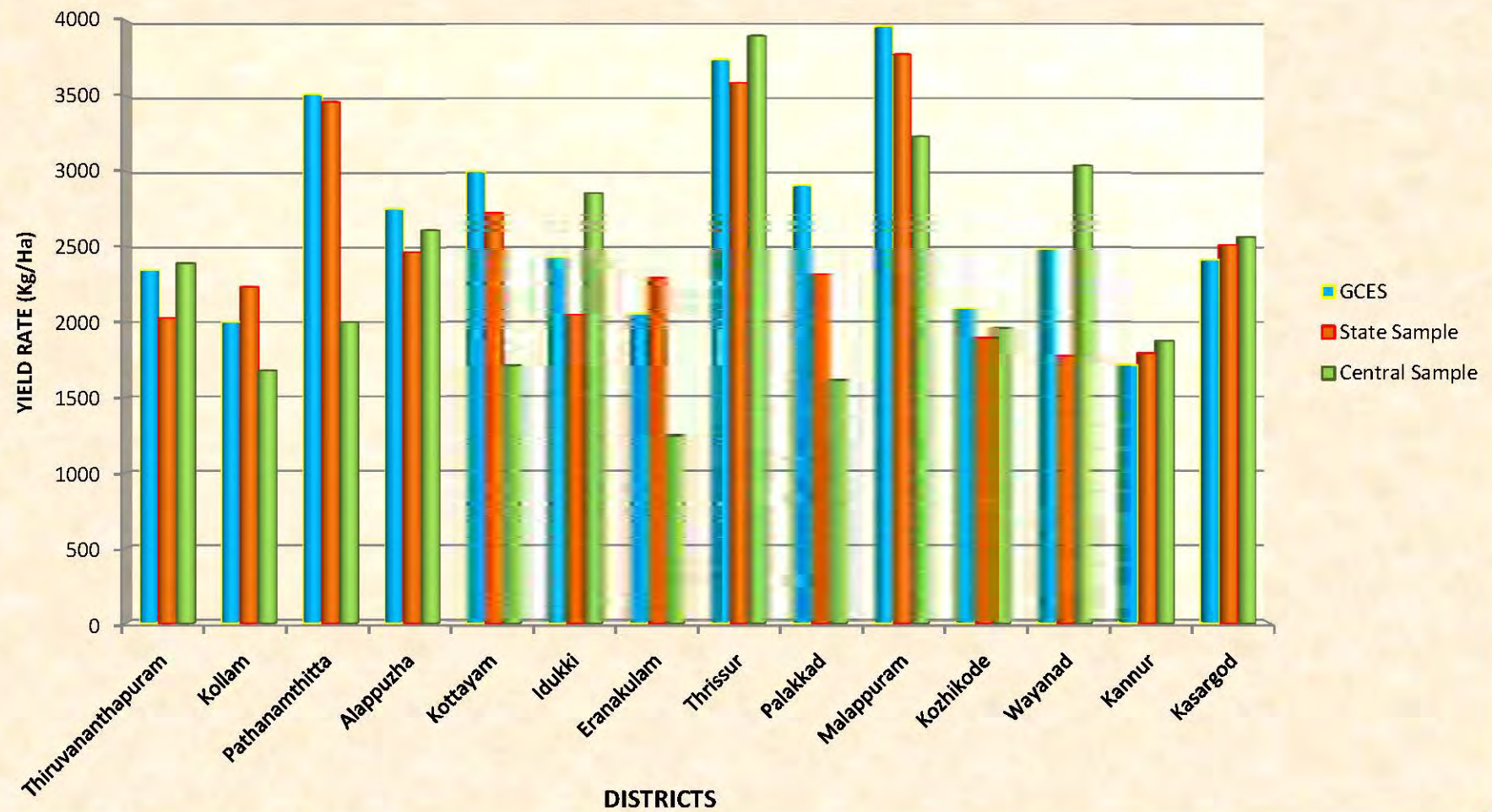


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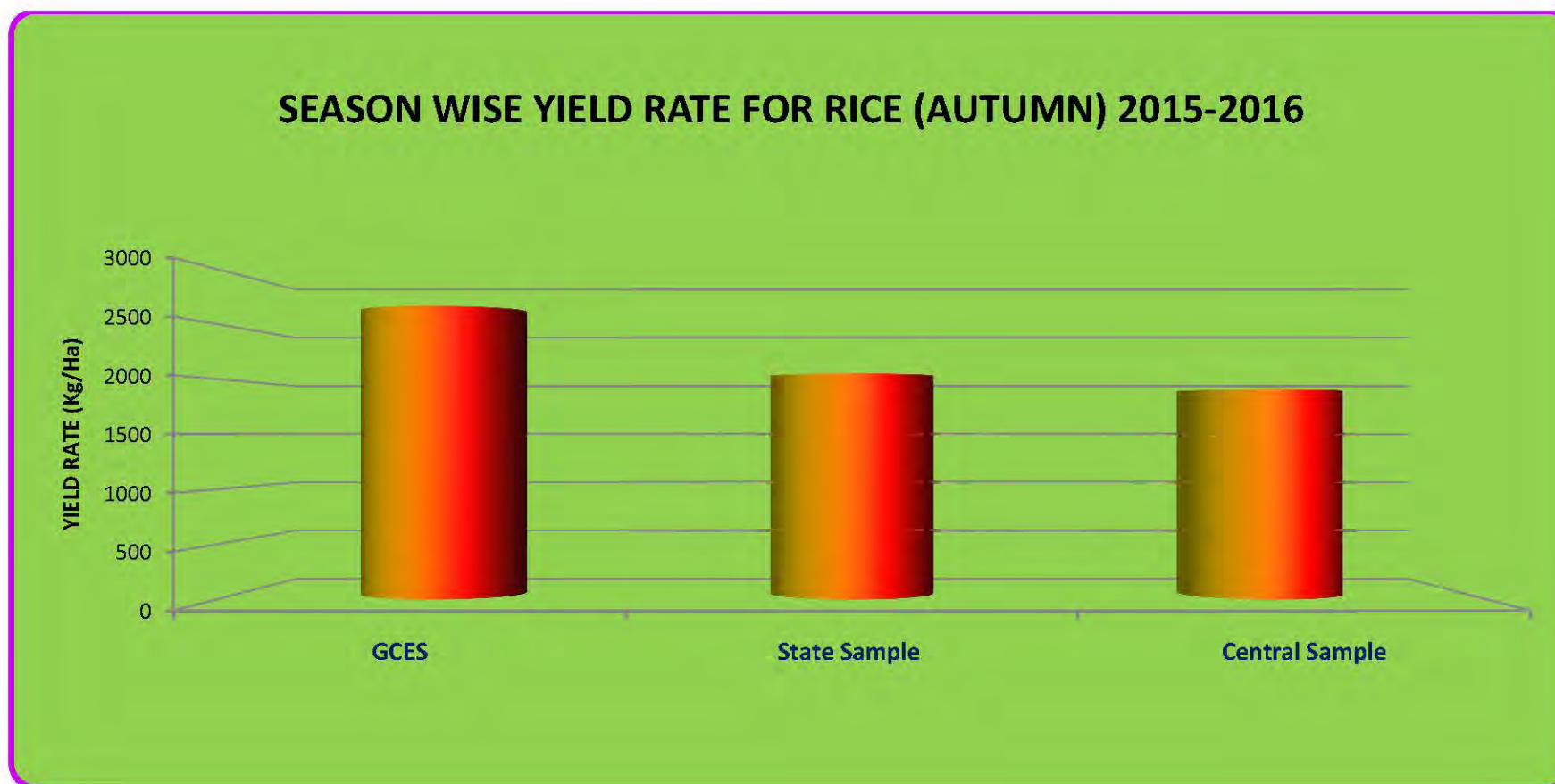


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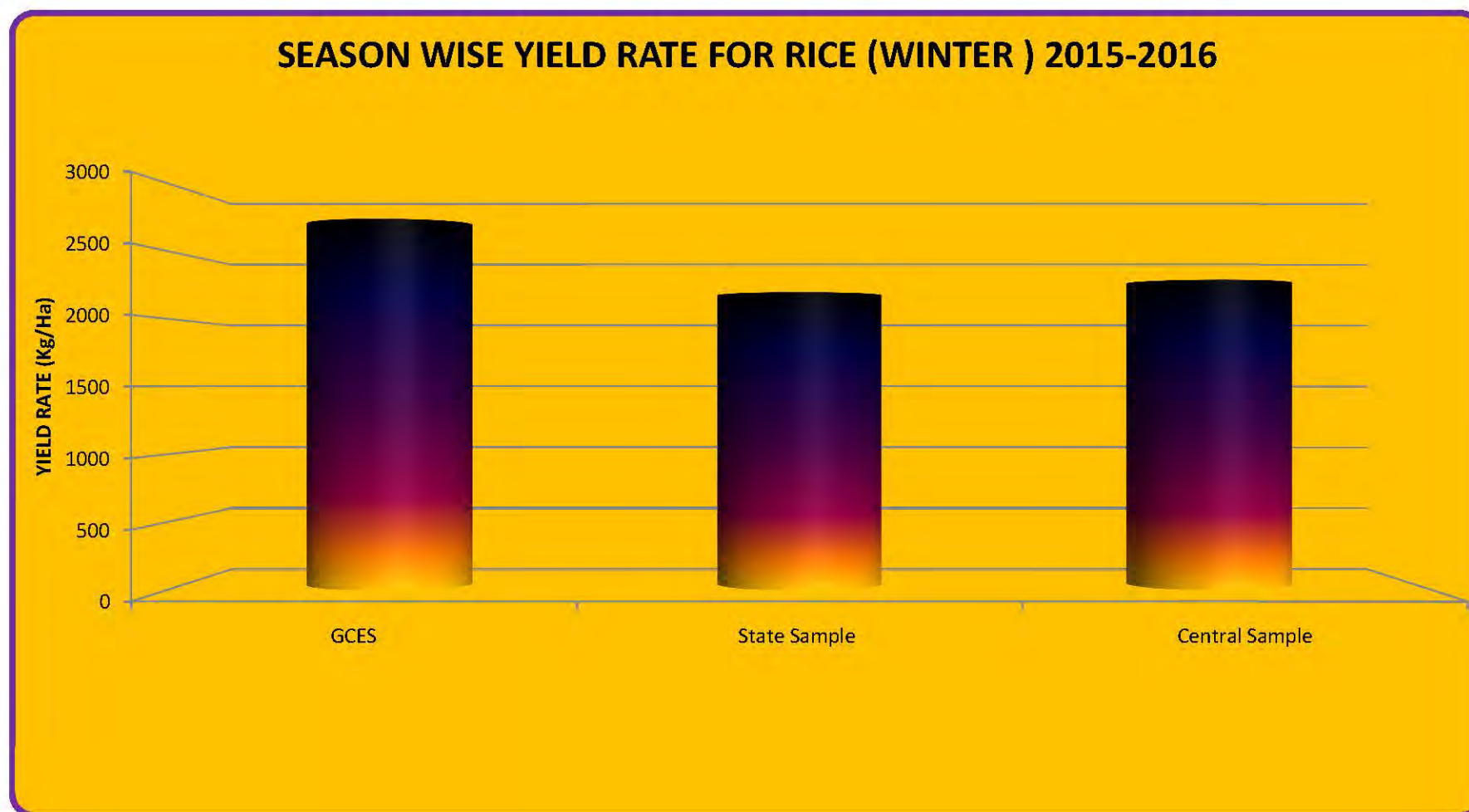


CHART - VI

SEASON WISE RATE FOR (SUMMER) 2015-2016

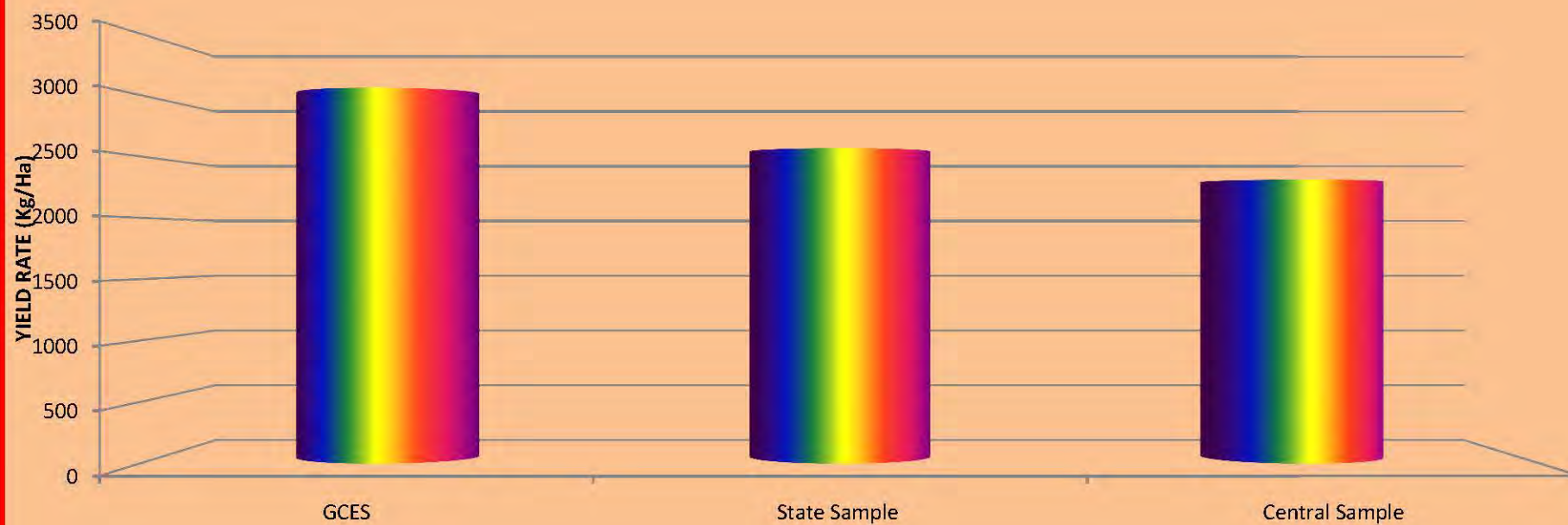


Table 17(ii)

Yield Rate(Kg/Ha) of Important Crops Under GCES and ICS 2015-16

Sl.No.	DISTRICT	TAPIOCA			BANANA			COCONUT		
		GCES	STATE	CENTRAL	GCES	STATE	CENTRAL	GCES	STATE	CENTRAL
1	Thiruvananthapuram	36770	85937.5	31250	6853	11250	16567	8750	13121	9409
2	Kollam	35043	29937.5	33281	7073	12550	15450	6907	7665	7350
3	Pathanamthitta	40220	0	0	7953	0	0	5729	0	0
4	Alappuzha	32330	0	0	8687	13850	14867	5628	10582	15168
5	Kottayam	39152	58125	26275	8014	17433	12183	4954	4922	9673
6	Idukki	46151	0	0	8639	0	0	3808	0	0
7	Eranakulam	46428	55937.5	53125	9359	12150	13983	4485	5141	7325
8	Thrissur	42336	42187.5	47188	9147	18433	14600	5993	9957	13280
9	Palakkad	31824	40000	27563	9666	18189	13778	7520	10847	8864
10	Malappuram	38734	30312.5	30313	8373	14811	13244	10117	11422	16039
11	Kozhikode	24869	15312.5	13438	9145	13317	11450	8079	7611	7138
12	Wayanad	41244	0	0	9477	0	0	6208	0	0
13	Kannur	39183	22187.5	51000	9666	12750	19517	6309	7340	10721
14	Kasaragod	39665	29062.5	38469	10876	16500	14683	9622	9282	9537
State		38363	40900	35190	8961	14956	14491	7432	9120.14	10688

CHART - VII

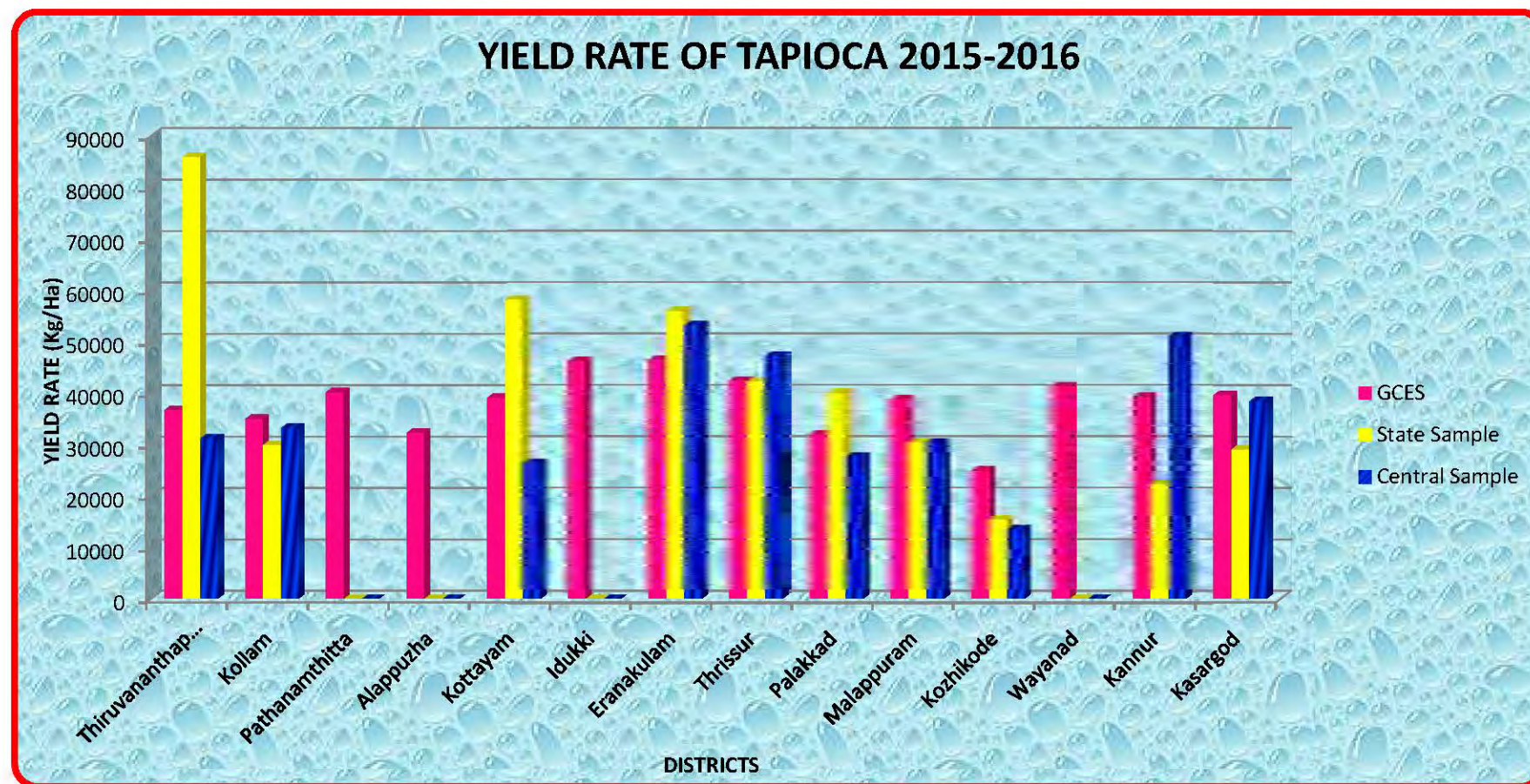


CHART - VIII

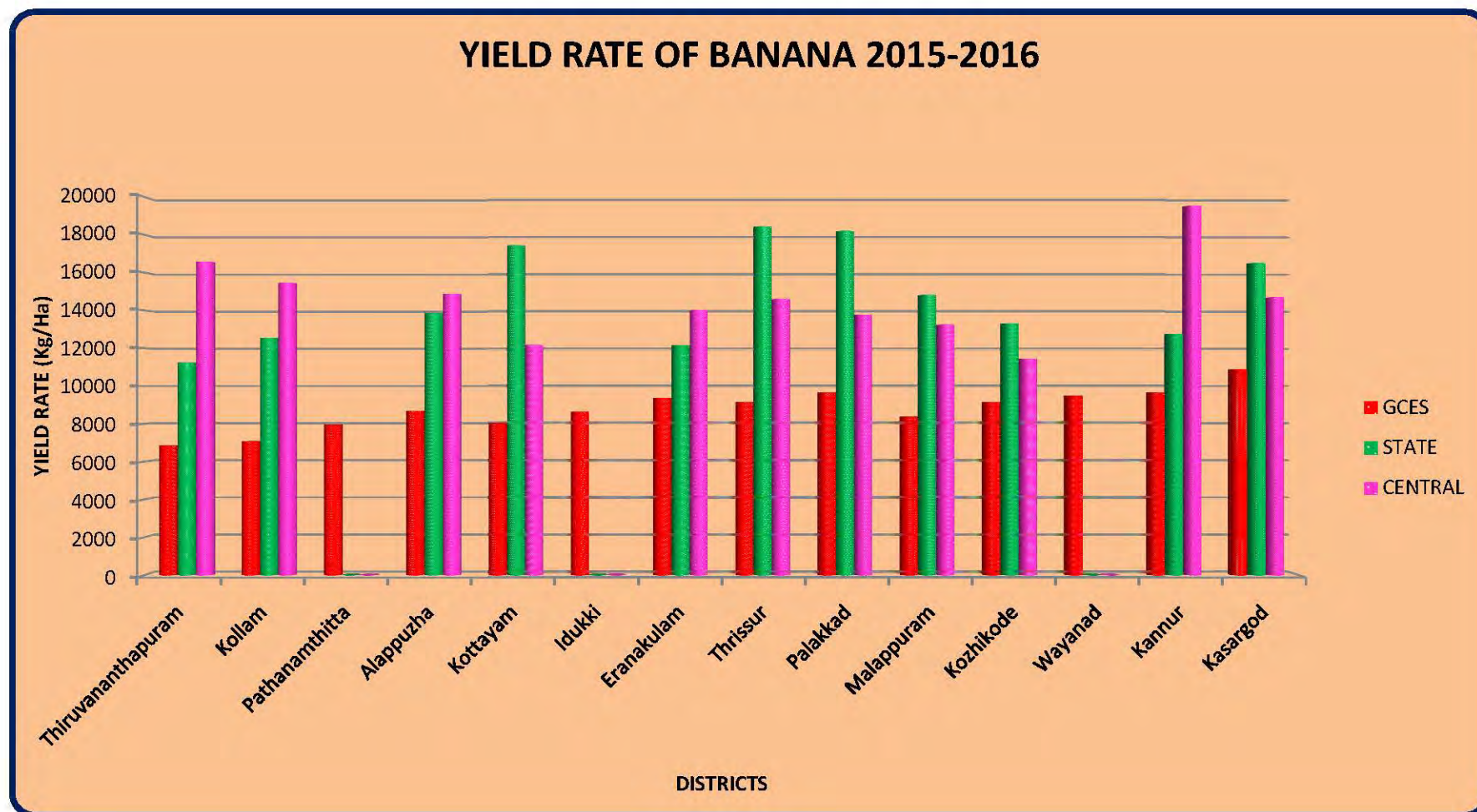


Table 17(iii)

Yield Rate(Kg/Ha) of Important Crops Under GCES and ICS 2015-16

Sl.No.	DISTRICT	PEPPER			ARECANUT		
		GCES	STATE	CENTRAL	GCES	STATE	CENTRAL
1	Thiruvananthapuram	424	998	480	621	1384	751
2	Kollam	328	325	719	554	918	864
3	Pathanamthitta	351	0	0	626	0	0
4	Alappuzha	218	0	0	352	0	0
5	Kottayam	358	494	738	695	747	1327
6	Idukki	597	0	0	712	0	0
7	Eranakulam	282	225	380	837	1384	793
8	Thrissur	268	532	505	972	171	1672
9	Palakkad	380	546	847	994	1479	1605
10	Malappuram	157	69	397	1305	276	1405
11	Kozhikode	269	228	151	1021	803	1912
12	Wayanad	528	0	0	552	0	0
13	Kannur	364	464	734	1510	1394	2404
14	Kasaragod	433	900	355	2700	3201	3243
State		490	478	531	1336	1176	1598

CHART - IX

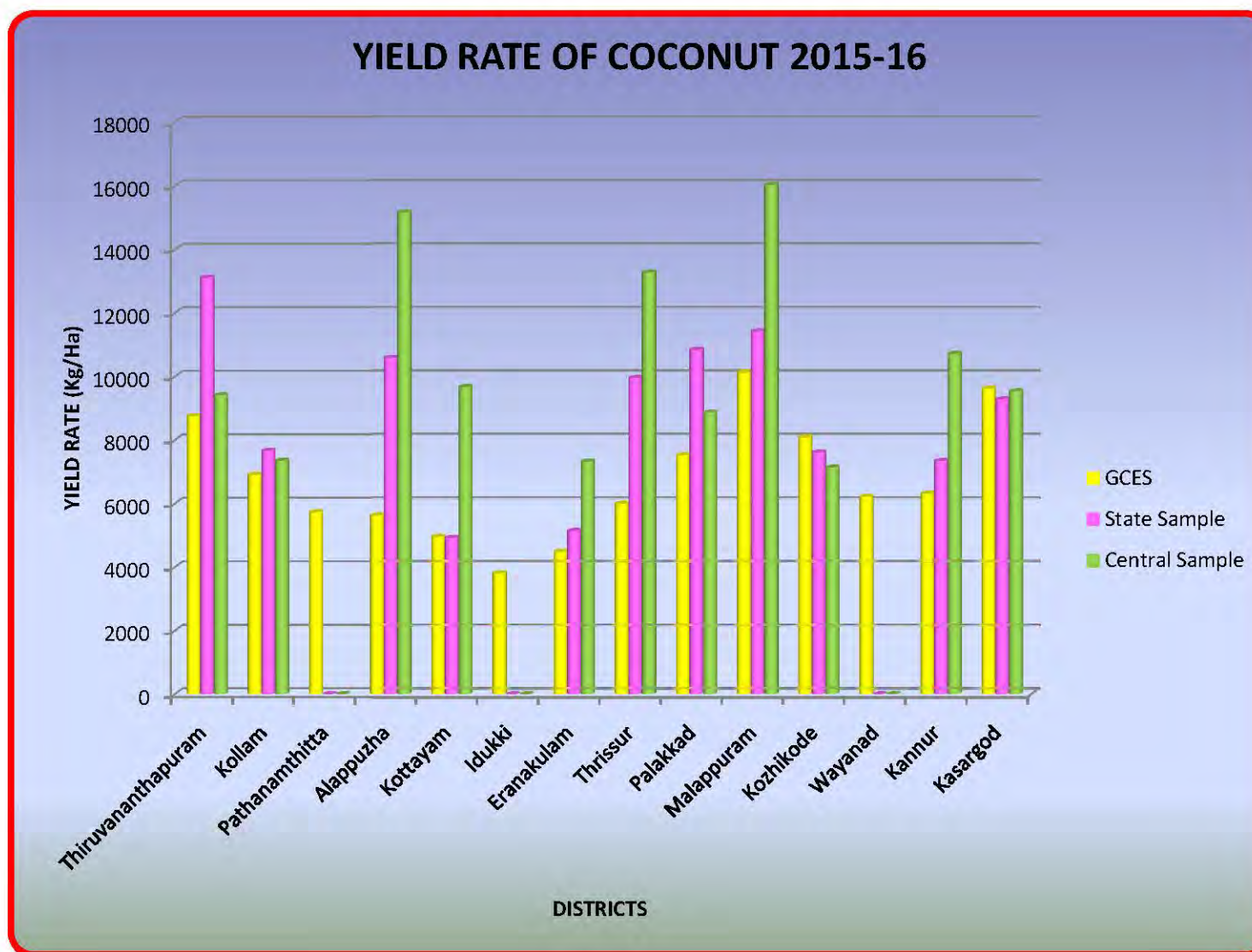


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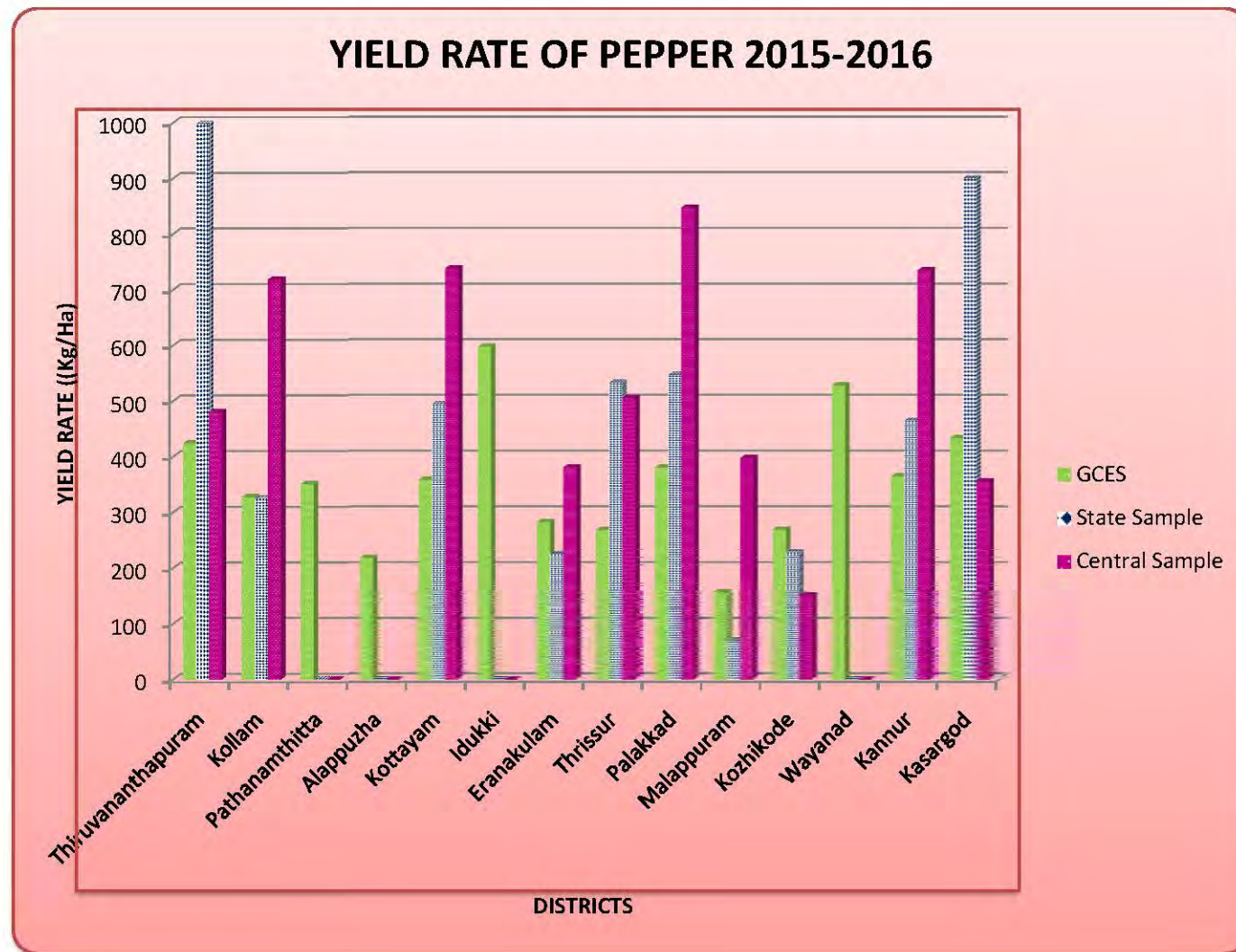


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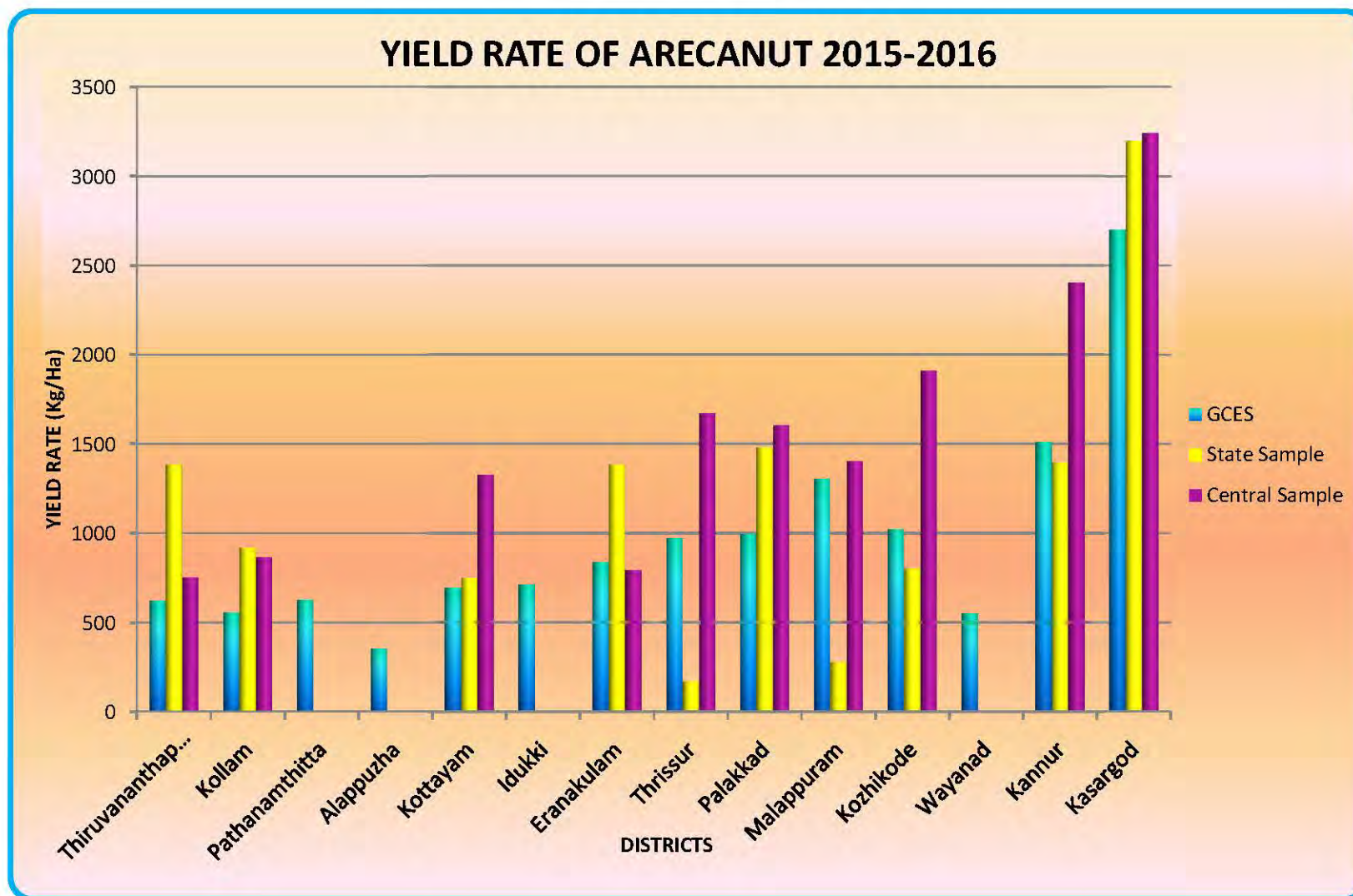
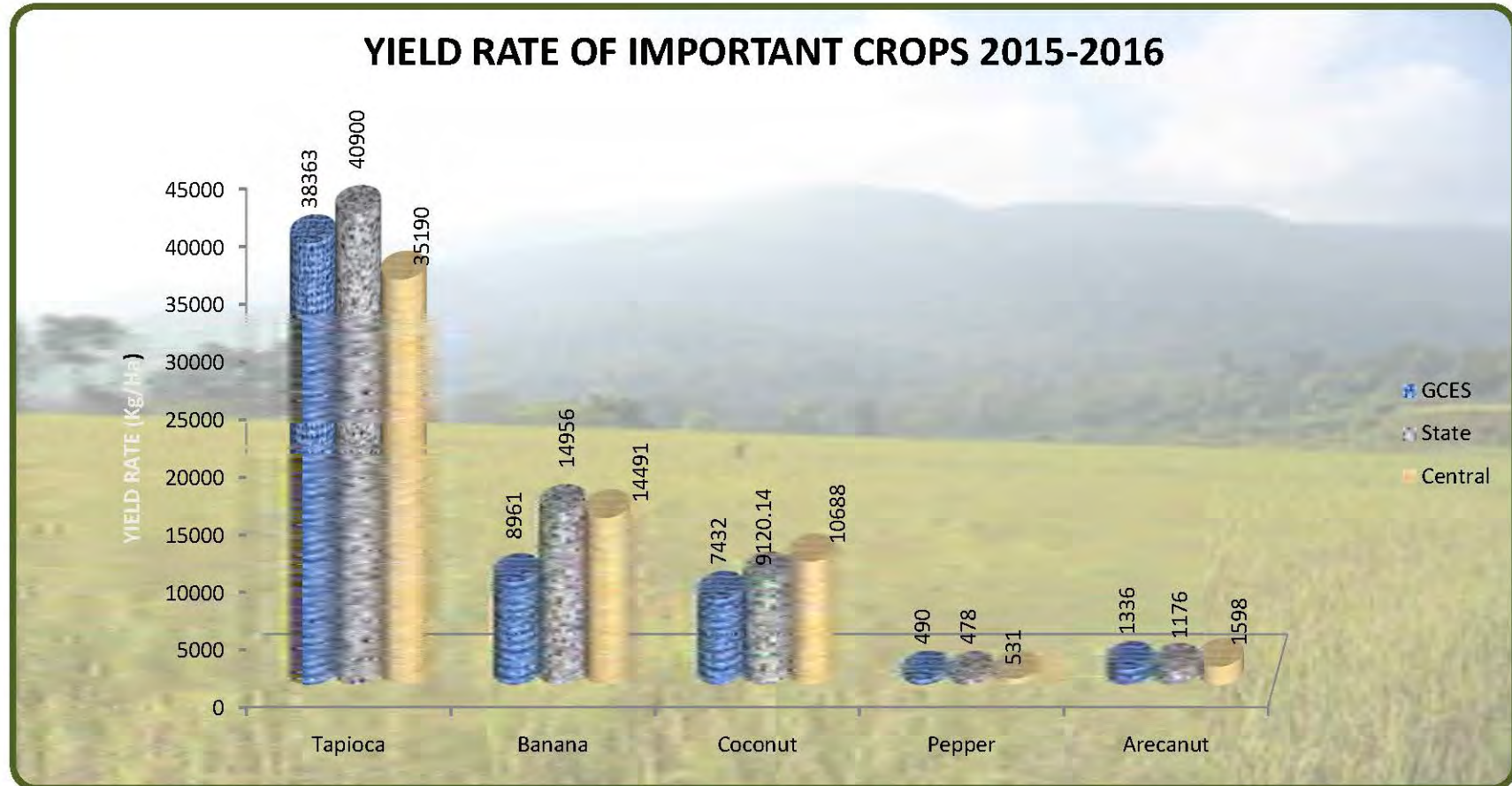


CHART - XII





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