



GOVERNMENT OF KERALA

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

2016 - 17



DEPARTMENT OF ECONOMICS & STATISTICS KERALA



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PREFACE

Collection and compilation of Agricultural statistics is one of the prime responsibilities 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 2016-17 contains the findings of the ICS scheme in Kerala during the Agricultural year 2016-17.

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. Vidya.U.B and Smt.Sheeja.N (Statistical Assistants - Grade I) for their dedication and painstaking efforts for bringing out this report.

V.RAMACHANDRAN
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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 2016-17 are also included. The reports also included the details of equipment supplied, experiments planned under General Crop Estimation Survey (GCES) and 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 identifies the differences on reporting and recording the crop in the concerned survey numbers during each season and also find out 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, weighment 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 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 since 1975-76. 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 reorganised 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 from 2000-01 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).

II. Analysis of Data-2016-17

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 2016-17

The response in sample check on area enumeration i.e., the number of IV zones for which filled in schedules were received during 2016-17 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 area enumeration 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 2016-17 is given in **Table-2**, 96.25% for central sample for each season and 100 % for Autumn, Winter and 92.5% in Summer season for State sample. 3.75% and 2.5% and 3.75% enumeration work during Autumn, Winter & Summer season are completed after the due date & the date of completion of 1.25% work of Winter season is not known for the Central Sample. In the State sample 7.5% during summer season were completed after the due date.

3. Submission of EARAS Statement

The details of season wise submission of EARAS statement during 2016-17 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 area

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 2016-17 are given in Table- 4. The error, which non-reporting of the actual grown area of the crop (E1) and Reporting of crops actually not grown (E2) is 0.41% during winter season for State sample. Reporting of incorrect area of crops (E3) is 11.56%, 4.88%, 0.77% for Autumn, Winter and Summer respectively for state sample. For Central Sample (E1) is 0.96% for Autumn season, 2.86% for Summer season and only 0.63% (E3) 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. There is a slight discrepancy in Ernakulam and Kozhikode districts during Winter season regarding the State sample. There are no discrepancies in Autumn and Summer season for the State Sample. Regarding the Central sample there is a slight discrepancy in Kottayam district for autumn and 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 2016-17. For Central Sample the response is 100% for Autumn, Winter & 98 % for Summer season and for State sample 100% for Autumn, Winter & 99 % for Summer season.

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.

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 2016-17 is presented in Tables 16 (i) & 16(ii). In most of the districts standard equipment 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 2016-17 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 2016-17 are given in Chart 7, 8 and 9 respectively. District wise yield rate of Rice under GCES and ICS are given in Chart 10,11 and 12 respectively. Season wise yield rate under GCES and ICS for paddy is given in Chart 13.

Yield rates of rice under ICS are lower as compared to GCES during Autumn and Summer season. The yield rates of important crops under GCES and ICS for the year 2016-17 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 14 to 18. A graphical representation of Crop wise yield rates of important crops during 2016-17 is given in Chart-19.

Table-1 RESPONSE IN SAMPLE CHECK ON ENUMERATION OF AREA DURING 2016-17						
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	Kasaragod	C	5	100	100	100
		S	5	100	100	100
For District Covered		C	80	100	100	100
		S	80	100	100	100
S- State Sample C- Central Sample						

Table -2

TIMELINESS IN COMPLETION OF GIRDAWARI DURING 2016-17

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	100				100				100		
		S	100				100				100		
3	Pathanamthitta	C	100				66.67	33.33			66.67	33.33	
		S	100				100				100		
4	Alappuzha	C	100				66.67	33.33			66.67	33.33	
		S	100				100				100		
5	Kottayam	C	66.67	33.33			100				83.33	16.67	
		S	100				100				100		
6	Idukki	C	100				100				100		
		S	100				100				100		
7	Ernakulam	C	100				80		20		100		
		S	100				100				100		
8	Thrissur	C	100				100				100		
		S	100				100					100	
9	Palakkad	C	88.89	11.11			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	Kasaragod	C	100				100				100		
		S	100				100				100		
For District Covered		C	96.25	3.75			96.25	2.5	1.25		96.25	3.75	
		S	100				100				92.5	7.5	

Table-3											
TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2016-17											
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
				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	20		80					
			S			100					
		Summer	C			100					
			S			100					
2	Kollam	Autumn	C			100					
			S			100					
		Winter	C	20		80					
			S			100					
		Summer	C			100					
			S			100					
3	Pathanamthitta	Autumn	C			100					
			S			100					
		Winter	C			66.67	33.33				
			S			100					
		Summer	C			66.67	33.33				
			S			100					
4	Alapuzha	Autumn	C			100					
			S			100					
		Winter	C			66.67	33.33				
			S			100					
		Summer	C			66.67	33.33				
			S			100					
5	Kottayam	Autumn	C	33.33		66.67					
			S			100					
		Winter	C			83.33	16.67				
			S			100					
		Summer	C			83.33	16.67				
			S			100					

Table -3 Contd.....

Table -3

TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2016-17

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			87.5	12.5				
			S			100					
		Winter	C	12.5		87.5					
			S			100					
		Summer	C			100					
			S			100					
7	Ernakulam	Autumn	C			80		20			
			S			100					
		Winter	C			100					
			S			100					
		Summer	C			100					
			S			100					
8	Thrissur	Autumn	C			100					
			S			100					
		Winter	C	16.67		83.33					
			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			100					
			S			100					

Table -3 Contd.....

Table-3

TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2016-17

Sl. No.	District	Season	Agency	Percentage of villages for which								
				EARAS Statement Submitted					EARAS Statement not Submitted			
				Without completing Girdawari		After completing Girdawari		Information regarding date of submission not known	Though Girdawari completed	Girdawari Not completed	Information regarding EARAS submission not available	
				By due date	After due date	By due date	After due date					
1	2	3	4	5	6	7	8	9	10	11	12	
11	Kozhikkode	Autumn	C			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			85.7		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		93.75	2.5	1.25				
			S			100						
		Winter	C	5		91.25	3.75					
			S			100						
		Summer	C			93.75	3.75	2.5				
			S			92.5	7.5					

C- Central Sample

S- State Sample

Table-4

PERCENTAGE OF SURVEY NUMBERS IN WHICH ERRORS IN RECORDING CROP
AREAS WERE OBSERVED: 2016-17

Sl. No.	District	Agency	Percentage of survey numbers with different types of errors in enumeration of area during											
			AUTUMN				WINTER				SUMMER			
			e 0	e1	e2	e3	e 0	e1	e2	e3	e 0	e1	e2	e3
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	C	100				100							
		S	100								100			
2	Kollam	C	100				100							
		S	100				100							
3	Pathanamthitta	C					100				100			
		S									100			
4	Alapuzha	C					100				100			
		S	100				100				100			
5	Kottayam	C	80	20			100				95.24	4.76		
		S	100				100				100			
6	Idukki	C	100				100							
		S					86.67			13.33				
7	Ernakulam	C	100				100							
		S	100				84.62		7.69	7.69	100			
8	Thrissur	C					100				100			
		S	100								100			
9	Palakkad	C	100				100							
		S	92.31			7.69	98.33			1.67				
10	Malappuram	C	100				100							
		S	100				100				95.24			4.76
11	Kozhikode	C	100				95.65			4.35				
		S	100				88.24	5.88		5.88				
12	Wayanad	C					100				100			
		S					100				100			
13	Kannur	C	100				100							
		S	76.92			23.08	73.08			26.92	100			
14	Kasargod	C	100				100							
		S	69.7			30.30	100				100			
For District Covered		C	99.04	0.96			99.37			0.63	97.14	2.86		
		S	88.44			11.56	94.31	0.41	0.41	4.88	99.23			0.77

C- Central Sample

S- State Sample

Crop not reported in the selected zones

e₀ – No errore₁ – Non-reporting of crops actually growne₂ – Reporting of crops actually not growne₃ – Reporting incorrect area of crops

Table- 5(a)
DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY DURING 2016-17
AUTUMN

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		100		100								
		S		100		100								
2	Kollam	C		100		100								
		S		100		100								
3	Pathanamthitta	C		0		0								
		S												
4	Alapuzha	C		0										
		S		40	60	100								
5	Kottayam	C		80		80							20	
		S		100		100								
6	Idukki	C		100		100								
		S												
7	Ernakulam	C		57.14	42.86	100								
		S		100		100								
8	Thrissur	C		0		0								
		S		100		100								
9	Palakkad	C		100		100								
		S		100		100								
10	Malappuram	C		100		100								
		S		100		100								
11	Kozhikode	C		100		100								
		S		80	20	100								
12	Wayanad	C		0		0								
		S												
13	Kannur	C		60	40	100								
		S		84.62	15.38	100								
14	Kasargod	C		100		100								
		S		100		100								
For District Covered		C		90.38	8.65	99.03							0.96	
		S		95.92	4.08	100								

C- Central Sample

S- State Sample

HY – High yielding seed

L – Local variety seed

Crop not reported in the selected zones

Table- 5(w)
DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY DURING 2016-17
WINTER

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		100										
		S												
2	Kollam	C		62.5	37.5									
		S		66.67	33.33									
3	Pathanamthitta	C		100										
		S												
4	Alapuzha	C		100										
		S		100										
5	Kottayam	C		100										
		S		100										
6	Idukki	C		84.62	15.38									
		S		20	80									
7	Eranakulam	C		100										
		S		92.31					7.69					
8	Thrissur	C		89.10	10.91									
		S												
9	Palakkad	C		93.22	6.78									
		S		98.33	1.67									
10	Malappuram	C		61.36	38.64									
		S		58.33	41.67									
11	Kozhikode	C		52.17	47.83									
		S		5.88	88.24								5.88	
12	Wayanad	C		40.91	59.10									
		S		83.33	16.67									
13	Kannur	C		70.59	29.41									
		S		96.15	3.85									
14	Kasaragod	C		50	50									
		S		21.43	78.57									
For District Covered		C		74.92	25.08									
		S		75.20	23.98				0.41				0.41	

C- Central Sample

S- State Sample

HY – High yielding seed

L – Local variety seed

Crop not reported in the selected zones

Table- 5(S)
DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY DURING 2016-17
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		100										
2	Kollam	C												
		S												
3	Pathanamthitta	C		100		100								
		S		100										
4	Alapuzha	C		100		100								
		S		100										
5	Kottayam	C		95.24		95.24							4.76	4.76
		S		100										
6	Idukki	C												
		S												
7	Eranakulam	C												
		S		100										
8	Thrissur	C		100		100								
		S		100										
9	Palakkad	C												
		S												
10	Malappuram	C												
		S		100										
11	Kozhikode	C												
		S												
12	Wayanad	C		100		100								
		S		100										
13	Kannur	C												
		S		60	40	100								
14	Kasaragod	C												
		S		100										
For District Covered		C		97.14		97.14							2.86	2.86
		S		98.46		1.54								

C- Central Sample

S- State Sample

HY – High yielding seed

L – Local variety seed

Crop not reported in the selected zones

Table- 6
RESPONSE IN SAMPLE CHECK ON CROP CUTTING EXPERIMENTS FOR PADDY DURING 2016-17

Sl. No.	District	Agency	AUTUMN		WINTER		SUMMER		ANNUAL	
			No. of expts. planned	% Response	No. of expts. planned	% Response	No. of expts. planned	% Response	No. of expts. planned	% Response
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	8	100	24	100
2	Kollam	C	6	100	6	100	6	100	18	100
		S	6	100	6	100	6	100	18	100
3	Pathanamthitta	C	6	100	6	100	6	100	18	100
		S	6	100	6	100	6	100	18	100
4	Alapuzha	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	Ernakulam	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	*90	30	96.67
10	Malappuram	C	10	100	10	100	10	100	30	100
		S	10	100	10	100	10	100	30	100
11	Kozhikode	C	12	100	8	100	8	**75	28	92.86
		S	12	100	8	100	8	100	28	100
12	Wayanad	C	-	-	4	100	4	100	12	100
		S	-	-	4	100	4	100	12	100
13	Kannur	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	8	100	24	100
14	Kasargod	C	4	100	4	100	4	100	12	100
		S	4	100	4	100	4	100	12	100
For District Covered		C	100	100	100	100	100	98	300	99.33
		S	100	100	100	100	100	99	300	99.67

Remarks * One crop cutting experiment lost in Palakkad district due to prior harvest of the cultivator.

** In Kozhikode district two crop cutting experiment lost due to severe drought and flood occurred as part of check dam construction in the nearby river.

Table- 7(i)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2016-17**

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	66.67	100	100
		S		6		100	33.33
		C	T	6	66.67	100	100
		S		6		100	33.33
3	Pathanamthitta	C	H	6	100	66.67	66.67
		S		6	66.67	100	100
		C	T	6	100	66.67	66.67
		S		6	66.67	100	100
4	Alapuzha	C	H	8	25	62.5	50
		S		8	75	75	50
		C	T	8	25	62.5	50
		S		8	75	75	50
5	Kottayam	C	H	8	87.5	100	100
		S		8	100	100	100
		C	T	8	87.5	100	100
		S		8	100	100	100
6	Idukki	C	H	4	100	50	100
		S		4	100	100	100
		C	T	4	100	50	100
		S		4	100	100	100
7	Ernakulam	C	H	8	50	75	50
		S		8	75	100	100
		C	T	8	50	75	50
		S		8	75	100	100
8	Thrissur	C	H	8		100	100
		S		8	25	100	62.5
		C	T	8		100	100
		S		8	25	100	62.5

Table-7 contd.....

Table 7(i)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2016-17**

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		100	100
		S		10		100	100
		C	T	10		100	100
		S		10		100	100
10	Malappuram	C	H	10		90	80
		S		10		100	100
		C	T	10		90	80
		S		10		100	100
11	Kozhikode	C	H	12	25	58.33	50
		S		12	8.33	75	41.67
		C	T	12	25	58.33	50
		S		12	8.33	75	41.67
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	8		62.5	87.5
		S		8		100	87.5
		C	T	8		62.5	87.5
		S		8		100	87.5
14	Kasaragod	C	H	4		75	75
		S		4		100	25
		C	T	4		75	75
		S		4		100	25
For District Covered		C	H	100	38	81	80
		S		100	39	95	78
		C	T	100	38	81	80
		S		100	39	95	78

Table- 7(ii)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2016-17**

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	66.67	66.67	83.33
		S		6		66.67	33.33
		C	T	6	66.67	66.67	83.33
		S		6		66.67	33.33
3	Pathanamthitta	C	H	6	83.33	83.33	83.33
		S		6	66.67	100	100
		C	T	6	83.33	83.33	83.33
		S		6	66.67	100	100
4	Alapuzha	C	H	8	50	75	75
		S		8	37.5	75	50
		C	T	8	50	75	75
		S		8	37.5	75	50
5	Kottayam	C	H	8	100	87.5	100
		S		8	100	100	100
		C	T	8	100	87.5	100
		S		8	100	100	100
6	Idukki	C	H	4	75		50
		S		4	100	100	100
		C	T	4	75		50
		S		4	100	100	100
7	Ernakulam	C	H	8	87.5	87.5	75
		S		8	100	100	100
		C	T	8	87.5	87.5	75
		S		8	100	100	100
8	Thrissur	C	H	8	75	62.5	87.5
		S		8	75	62.5	62.5
		C	T	8	75	62.5	87.5
		S		8	75	62.5	62.5

Table 7(ii) contd...

Table- 7(ii)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2016-17**

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	90	90	90
		S		10	90	80	70
		C	T	10	90	90	90
		S		10	90	80	70
10	Malappuram	C	H	10	60	80	90
		S		10	100	80	80
		C	T	10	60	80	90
		S		10	100	80	80
11	Kozhikode	C	H	8	12.5	12.5	37.5
		S		8			25
		C	T	8	12.5	12.5	37.5
		S		8			25
12	Wayanad	C	H	4	100	50	50
		S		4	100	75	50
		C	T	4	100	50	50
		S		4	100	75	50
13	Kannur	C	H	8	62.5	50	50
		S		8	100	87.5	100
		C	T	8	62.5	50	50
		S		8	100	87.5	100
14	Kasaragod	C	H	4	75	25	100
		S		4	100		75
		C	T	4	75	25	100
		S		4	100		75
For District Covered		C	H	100	73	67	78
		S		100	76	75	75
		C	T	100	73	67	78
		S		100	76	75	75

Table- 7(iii)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2016-17

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	75	100	75
		S		8	100	100	75
		C	T	8	75	100	75
		S		8	100	100	75
2	Kollam	C	H	6	100	100	100
		S		6	100	100	66.67
		C	T	6	100	100	100
		S		6	100	100	66.67
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	Alapuzha	C	H	8	100	100	100
		S		8	100	100	100
		C	T	8	100	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	100	100
		S		4	100	100	100
		C	T	4	100	100	100
		S		4	100	100	100
7	Eranakulam	C	H	8	100	100	100
		S		8	100	100	100
		C	T	8	100	100	100
		S		8	100	100	100
8	Thrissur	C	H	8	100	100	100
		S		8	100	100	100
		C	T	8	100	100	100
		S		8	100	100	100
Table -7 (iii) contd....							

Table- 7(iii)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2016-17

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	80	100	100
		S		10	100	77.78	88.89
		C	T	10	80	100	100
		S		10	100	77.78	88.89
10	Malappuram	C	H	10	100	100	100
		S		10	90	100	70
		C	T	10	100	100	100
		S		10	90	100	70
11	Kozhikode	C	H	8	66.67	83.33	50
		S		8	87.5	75	62.5
		C	T	8	66.67	83.33	50
		S		8	87.5	75	62.5
12	Wayanad	C	H	4	100	100	100
		S		4	100	100	25
		C	T	4	100	100	100
		S		4	100	100	25
13	Kannur	C	H	8	75	75	75
		S		8	100	87.5	100
		C	T	8	75	75	75
		S		8	100	87.5	100
14	Kasaragod	C	H	4	100	100	75
		S		4	100	50	100
		C	T	4	100	100	75
		S		4	100	50	100
For District Covered		C	H	100	91.84	96.94	91.84
		S		100	97.98	92.93	85.86
		C	T	100	91.84	96.94	91.84
		S		100	97.98	92.93	85.86

Table- 7(iv)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2016-17**

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	50	50
		S		4	25	50	25
		C	T	4	50	50	50
		S		4	25	50	25
2	Kollam	C	H	4	25		
		S		4			25
		C	T	4	25		
		S		4			25
3	Pathanamthitta	C	H				
		S					
		C	T				
		S					
4	Alapuzha	C	H				
		S					
		C	T				
		S					
5	Kottayam	C	H	4		50	50
		S		4		25	25
		C	T	4		50	50
		S		4		25	25
6	Idukki	C	H				
		S					
		C	T				
		S					
7	Eranakulam	C	H	4		50	25
		S		4	25	75	75
		C	T	4		50	25
		S		4	25	75	75
8	Thrissur	C	H	4	75	50	25
		S		4	75		25
		C	T	4	75	50	25
		S		4	75		25
Table-7(iv) contd...							

Table-7(iv)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2016-17**

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	100		50
		S		4			
		C	T	4	100		50
		S		4			
10	Malappuram	C	H	4	75	50	25
		S		4	50		
		C	T	4	75	50	25
		S		4	50		
11	Kozhikode	C	H	4	25		25
		S		4	25		50
		C	T	4	25		25
		S		4	25		50
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4	25		
		S		4			
		C	T	4	25		
		S		4			
14	Kasaragod	C	H	4			50
		S		4			
		C	T	4			50
		S		4			
For District Covered		C	H	40	37.5	25	30
		S		40	20	15	22.5
		C	T	40	37.5	25	30
		S		40	20	15	22.5

Table – 7(v)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2016-17**

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	100	25	
		C	T	4			
		S		4	100	25	
2	Kollam	C	H	4			
		S		4			
		C	T	4			
		S		4			
3	Pathanamthitta	C	H				
		S					
		C	T				
		S					
4	Alapuzha	C	H				
		S					
		C	T				
		S					
5	Kottayam	C	H	4	25		25
		S		4		25	
		C	T	4	25		25
		S		4		25	
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	50	
		S		4	50	50	
		C	T	4	75	50	
		S		4	50	50	
Table-(v)-contd...							

Table-7(v)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2016-17**

Pepper

Sl. No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	4	25	50	
		S		4		100	
		C	T	4	25	50	
		S		4		100	
10	Malappuram	C	H	4	50	75	25
		S		4			
		C	T	4	50	75	25
		S		4			
11	Kozhikode	C	H	4			
		S		4			
		C	T	4			
		S		4			
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4	25	25	
		S		4		50	
		C	T	4	25	25	
		S		4		50	
14	Kasaragod	C	H	4			
		S		4	75	75	25
		C	T	4			
		S		4	75	75	25
For District Covered		C	H	40	25	20	5
		S		40	25	37.5	2.5
		C	T	40	25	20	5
		S		40	25	37.5	2.5

Table – 7(vi)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2016-17**

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	75		75
		S		4	100		25
		C	T	4	75		75
		S		4	100		25
2	Kollam	C	H	4	50		75
		S		4	75		50
		C	T	4	50		75
		S		4	75		50
3	Pathanamthitta	C	H				
		S					
		C	T				
		S					
4	Alapuzha	C	H	4			50
		S		4	100		25
		C	T	4			50
		S		4	100		25
5	Kottayam	C	H	4	25		75
		S		4	100		50
		C	T	4	25		75
		S		4	100		50
6	Idukki	C	H				
		S					
		C	T				
		S					
7	Eranakulam	C	H	4	50		25
		S		4	75		75
		C	T	4	50		25
		S		4	75		75
8	Thrissur	C	H	6	100		83.33
		S		6	100		50
		C	T	6	100		83.33
		S		6	100		50
Table-7 (vi) Contd..							

Table – 7(vi)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2016-17**

Banana

Sl. No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	6	100		83.33
		S		6	100	16.67	50
		C	T	6	100		83.33
		S		6	100	16.67	50
10	Malappuram	C	H	6	100	33.33	100
		S		6	100		50
		C	T	6	100	33.33	100
		S		6	100		50
11	Kozhikode	C	H	4	50		75
		S		4	100		75
		C	T	4	50		75
		S		4	100		75
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4	75		100
		S		4	25		50
		C	T	4	75		100
		S		4	25		50
14	Kasaragod	C	H	4	50		50
		S		4	100		50
		C	T	4	50		50
		S		4	100		50
For District Covered		C	H	50	66	4	74
		S		50	90	2	50
		C	T	50	66	4	74
		S		50	90	2	50

Table – 7(vii)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2016-17**

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	25		
		C	T	4			
		S		4	25		
2	Kollam	C	H	4			
		S		4			
		C	T	4			
		S		4			
3	Pathanamthitta	C	H				
		S					
		C	T				
		S					
4	Alapuzha	C	H	4			25
		S		4	25		
		C	T	4			25
		S		4	25		
5	Kottayam	C	H	4			
		S		4	25		
		C	T	4			
		S		4	25		
6	Idukki	C	H				
		S					
		C	T				
		S					
7	Ernakulam	C	H	4			
		S		4	50		
		C	T	4			
		S		4	50		
8	Thrissur	C	H	6	83.33		16.67
		S		6	100		
		C	T	6	83.33		16.67
		S		6	100		

Table-7(vii)-contd....

Table – 7(vii)							
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2016-17 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			16.67
		S		6	33.33		
		C	T	6			16.67
		S		6	33.33		
10	Malappuram	C	H	6			
		S		6	50		
		C	T	6			
		S		6	50		
11	Kozhikode	C	H	4	25		
		S		4			50
		C	T	4	25		
		S		4			50
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4	50		25
		S		4			
		C	T	4	50		25
		S		4			
14	Kasaragod	C	H	4	50		
		S		4	75		25
		C	T	4	50		
		S		4	75		25
For District Covered		C	H	50	20		8
		S		50	38		6
		C	T	50	20		8
		S		50	38		6

Table – 7(viii)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2016-17**

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			
		S		4			
		C	T	4			
		S		4			
3	Pathanamthitta	C	H				
		S					
		C	T				
		S					
4	Alapuzha	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	Ernakulam	C	H	4			
		S		4			
		C	T	4			
		S		4			
8	Thrissur	C	H	4	50		
		S		4	75		
		C	T	4	50		
		S		4	75		

Table – 7(viii) contd...

Table-7 (viii)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2016-17**

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	50	25	25
		S		4	50	50	
		C	T	4	50	25	25
		S		4	50	50	
10	Malappuram	C	H	4	50		
		S		4	25		
		C	T	4	50		
		S		4	25		
11	Kozhikode	C	H	4			
		S		4			
		C	T	4			
		S		4			
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4	25	25	
		S		4			
		C	T	4	25	25	
		S		4			
14	Kasaragod	C	H	4	100		
		S		4	75		
		C	T	4	100		
		S		4	75		
For District Covered		C	H	40	27.5	5	2.5
		S		40	22.5	5	
		C	T	40	27.5	5	2.5
		S		40	22.5	5	

Annual review of crop statistics 2016-17
Table 8(i)

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

STATE: KERALA

YEAR: 2016-17

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	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	6	6				
4	Alapuzha	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	12				
12	Wayanad	4	*				
13	Kannur	8	8				
14	Kasaragod	4	4				
Total for all crops		100	100				

- Autumn paddy Nil

Annual review of crop statistics 2016-17
Table 8(ii)

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

STATE: KERALA

YEAR: 2016-17

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	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	6	6				
4	Alapuzha	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	12				
12	Wayanad	4	*				
13	Kannur	8	8				
14	Kasaragod	4	4				
Total for all crops		100	100				

- Autumn paddy Nil

Annual review of crop statistics 2016-17

Table 8(iii)

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

STATE: KERALA

YEAR: 2016-17

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 expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	8	8	4270.78	0	0	8	4270.78	0	0	0	0	0	0	8	4270.78	0	0	8	4270.78
2	Kollam	6	0	0	6	1989.34	6	1989.34	0	0	0	0	0	0	0	0	6	1989.34	6	1989.34
3	Pathanamthitta	6	4	3390.18	2	3320.95	6	3367.1	0	0	0	0	0	0	4	3390.18	2	3320.95	6	3367.1
4	Alapuzha	8	5	4520.01	1	3664.97	6	4377.5	1	1010.9	1	2014.45	2	1512.67	6	3935.16	2	2839.71	8	3661.3
5	Kottayam	8	8	4888.88	0	0	8	4488.88	0	0	0	0	0	0	8	4888.88	0	0	8	4888.88
6	Idukki	4	4	3606.34	0	0	4	3606.34	0	0	0	0	0	0	4	3606.34	0	0	4	3606.34
7	Eranakulam	8	6	3825.85	2	2150	8	3406.89	0	0	0	0	0	0	6	3825.85	2	2150	8	3406.89
8	Thrissur	8	2	2007.46	6	1454.18	8	1592.5	0	0	0	0	0	0	2	2007.46	6	1454.18	8	1592.5
9	Palakkad	10	0	0	10	4203.09	10	4203.09	0	0	0	0	0	0	0	0	10	4203.09	10	4203.09
10	Malappuram	10	0	0	10	4330.31	10	4330.31	0	0	0	0	0	0	0	0	10	4330.31	10	4330.31
11	Kozhikode	12	1	4784.57	8	3972.42	9	4062.66	0	0	3	1377.43	3	1377.43	1	4784.57	11	3264.69	12	3391.35
12	Wayanad	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	4728.42	8	4728.42	0	0	0	0	0	0	0	0	8	4728.42	8	4728.42
14	Kasaragod	4	0	0	4	4165.97	4	4165.97	0	0	0	0	0	0	0	0	4	4165.97	4	4165.97
State Total		100	38	4095.21	57	3629.34	95	3815.69	1	1010.9	4	1536.69	5	1431.53	39	4016.13	61	3492.12	100	3696.48

Annual review of crop statistics 2016-17

Table 8(iv)

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

STATE: KERALA

YEAR: 2016-17

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 expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	8	8	5909.26	0	0	8	5909.26	0	0	0	0	0	0	8	5909.26	0	0	8	5909.26
2	Kollam	6	4	3581.09	2	3361.3	6	3507.83	0	0	0	0	0	0	4	3581.09	2	3361.3	6	3507.83
3	Pathanamthitta	6	4	3184.35	0	0	4	3184.35	2	4393.48	0	0	2	4393.48	6	3587.39	0	0	6	3587.39
4	Alapuzha	8	2	7969.57	3	1491.23	5	4082.57	0	0	3	1118.73	3	1118.73	2	7969.57	6	1304.98	8	2971.13
5	Kottayam	8	7	5362.37	1	4501.73	8	5254.79	0	0	0	0	0	0	7	5362.37	1	4501.73	8	5254.79
6	Idukki	4	2	3792.96	0	0	2	3792.96	2	4396.03	0	0	2	4396.03	4	4094.5	0	0	4	4094.5
7	Ernakulam	8	4	4137.46	2	233.94	6	2836.29	0	0	2	0.03	2	0.03	4	4137.46	4	116.99	8	2127.22
8	Thrissur	8	0	0	8	3234.6	8	3234.6	0	0	0	0	0	0	0	0	8	3234.6	8	3234.6
9	Palakkad	10	0	0	10	4029.63	10	4029.63	0	0	0	0	0	0	0	0	10	4029.63	10	4029.63
10	Malappuram	10	0	0	9	2456.27	9	2456.27	0	0	1	378.14	1	378.14	0	0	10	2248.46	10	2248.46
11	Kozhikode	12	0	0	7	2174.43	7	2174.43	3	1873.02	2	1080.45	5	1555.99	3	1873.02	9	1931.32	12	1916.74
12	Wayanad	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	0	0	5	4724.2	5	4724.2	0	0	3	4179.89	3	4179.89	0	0	8	4520.08	8	4520.08
14	Kasargod	4	0	0	3	4123.22	3	4123.22	0	0	1	4187.95	1	4187.95	0	0	4	4139.4	4	4139.4
State Total		100	31	4901.53	50	3113.14	81	3797.58	7	3314.01	12	1885.24	19	2411.63	38	4609.09	62	2875.48	100	3534.25

Annual review of crop statistics 2016-17

Table 8(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: AUTUMN PADDY

STATE SAMPLE

Sl. No.	District	Expts. Checked at harvest stage		Expts. Treated with Fertilizers only		Experiments With Fertilizers								Expts. 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	4270.78	0	0	8	6	8	8	4270.78	37.33	19.37	36.23	0	0
2	Kollam	6	1989.34	0	0	2	2	2	2	2758.75	98.89	21.5	80.61	4	1604.64
3	Pathanamthitta	6	3367.10	0	0	6	6	6	6	3367.10	60	25	30	0	0
4	Alapuzha	8	3661.30	4	3510.58	4	4	4	4	3510.58	81.6	49	47.5	4	2888.42
5	Kottayam	8	4888.88	3	4803.57	8	8	8	8	4888.88	70.63	30.25	41.88	0	0
6	Idukki	4	3606.34	0	0	4	4	4	4	3606.34	45.93	19.85	31.25	0	0
7	Eranakulam	8	3406.89	4	3889.78	8	6	6	8	3406.89	50.87	38.62	36.53	0	0
8	Thrissur	8	1592.5	2	2122.12	5	4	5	5	1595.05	34.57	20.85	24.52	3	1588.25
9	Palakkad	10	4203.09	2	4929.32	10	10	5	10	4203.09	57.01	28.37	48	0	0
10	Malappuram	10	4330.31	3	3719.04	10	1	6	10	4330.31	54.47	38.87	87.25	0	0
11	Kozhikode	12	3391.35	1	4675.25	5	05	2	5	4510.54	46.09	32.92	55.6	7	2591.93
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	4728.42	1	3825.48	7	7	7	7	5164.78	43.43	29.71	39.14	1	1673.87
14	Kasaragod	4	4165.97	0	0	1	1	1	1	3682.32	17.16	5.2	15.69	3	4327.18
State Total		100	3696.48	20	3888.64	78	73	64	78	3979.72	53.69	27.65	44.16	22	2524.36

Contd....

Annual review of crop statistics 2016-17

Table 8(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: AUTUMN PADDY

STATE SAMPLE

Sl. No.	District	Expts. Treated with Manure Only		Expts. Treated with Manure		Expts. Not Treated with Manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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	4270.78	0	0	8	4270.78	0	0	8	4270.78
2	Kollam	4	1604.64	6	1989.34	0	0	2	2758.75	0	0	6	1989.34
3	Pathanamthitta	0	0	6	3367.10	0	0	6	3367.1	0	0	6	3367.10
4	Alapuzha	3	3179.74	3	3179.74	5	3211.35	0	0	1	2014.45	7	2674.03
5	Kottayam	0	0	5	3722.61	3	4803.57	5	3722.61	0	0	8	4127.97
6	Idukki	0	0	4	3606.34	0	0	4	3606.34	0	0	4	3606.34
7	Ernakulam	0	0	4	2924	4	3889.78	4	2924	0	0	8	3406.9
8	Thrissur	1	3945.76	4	1919.19	4	1265.81	3	1243.67	2	409.5	6	1986.83
9	Palakkad	0	0	8	4021.53	2	4929.32	8	4021.53	0	0	10	4203.09
10	Malappuram	0	0	7	4592.28	3	3719.04	7	4592.28	0	0	10	4330.31
11	Kozhikode	6	2787.66	10	3460.34	2	3046.38	4	4469.37	1	1417.52	11	3570.79
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	6	5388	2	2749.68	6	5388	1	1673.87	7	5164.78
14	Kasargod	3	4327.18	4	4165.97	0	0	1	3682.32	0	0	4	4165.97
State Total		17	2918.3	75	3682.25	25	3347.91	58	3906.17	5	1184.97	95	3674.51

Annual review of crop statistics 2016-17

Table 8(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: AUTUMN PADDY

CENTRAL SAMPLE

Sl. No.	District	Expts. Checked at harvest stage		Expts. Treated with Fertilizers only		Experiments With Fertilizers								Expts. Not Treated with Fertilizers	
		No.	Yield Rate	No.	Yield Rate	No. of Experiments				Rate of Application				No.	Yield Rate
						N	P	K	Exclus ive 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	5909.26	1	7362.79	8	8	6	8	5909.26	81.25	47.38	61	0	0
2	Kollam	6	3507.83	0	0	6	2	4	6	3507.83	46.5	17.5	45	0	0
3	Pathanamthitta	6	3587.39	0	0	4	4	2	4	3184.35	45.25	19.25	40.5	2	4393.48
4	Alapuzha	8	2971.13	2	606.54	4	4	4	4	4288.05	66.5	28.75	51.75	4	1654.2
5	Kottayam	8	5254.79	3	5179.33	8	8	6	8	5254.79	45.5	29.38	30.17	0	0
6	Idukki	4	4094.49	2	4632.77	4	3	2	4	4094.50	90	63.33	32	0	0
7	Ernakulam	8	2127.22	1	3484.72	4	4	4	4	4137.46	42.25	33.25	59.5	4	116.99
8	Thrissur	8	3234.6	4	2755.48	8	6	5	8	3234.60	45.63	37.83	51.6	0	0
9	Palakkad	10	4029.63	4	3261.65	10	7	7	10	4029.63	51.6	21	35.29	0	0
10	Malappuram	10	2248.46	2	3006.43	8	5	6	8	2662.22	53.25	21	37.83	2	593.42
11	Kozhikode	12	1916.74	0	0	5	3	4	6	2057.65	47.64	50.73	64.55	6	1775.84
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	4520.08	0	0	5	5	6	7	4850.74	36.2	21.2	26.37	1	2205.49
14	Kasargod	4	4139.40	0	0	3	2	2	3	4123.22	35.67	33.5	27	1	4187.95
State Total		100	3534.25	19	3523.45	77	61	58	80	3991.48	52.86	32.62	43.27	20	1705.35

Conntd.....

Annual review of crop statistics 2016-17

Table 8(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: AUTUMN PADDY

CENTRAL SAMPLE

Sl. No.	District	Expts. Treated with Manure Only		Expts. Treated with Manure		Expts. Not Treated with Manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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	5701.62	1	7362.79	7	5701.62	0	0	8	5909.26
2	Kollam	0	0	6	3507.83	0	0	6	3507.83	0	0	6	3507.83
3	Pathanamthitta	2	4393.48	6	3587.39	0	0	4	3184.35	0	0	6	2563.48
4	Alapuzha	3	1445.89	5	4055.36	3	1164.07	2	7969.57	1	2279.12	7	3069.99
5	Kottayam	0	0	5	5300.06	3	5179.33	5	5300.06	0	0	8	5254.79
6	Idukki	0	0	2	3556.22	2	4632.77	2	3556.22	0	0	4	4094.50
7	Ernakulam	0	0	3	4355.04	5	790.53	3	4355.04	4	116.99	4	4137.46
8	Thrissur	0	0	4	3713.71	4	2755.48	4	3713.71	0	0	8	3234.60
9	Palakkad	0	0	6	4541.31	4	3261.65	6	4541.61	0	0	10	4029.63
10	Malappuram	2	593.42	8	2058.59	2	3006.43	6	2547.48	0	0	10	2248.46
11	Kozhikode	5	1976.51	11	2020.76	1	772.53	6	2057.65	1	772.53	11	2020.76
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	2205.49	8	4520.08	0	0	7	4850.74	0	0	8	4520.08
14	Kasargod	1	4187.95	4	4139.40	0	0	3	4123.22	0	0	4	4139.40
State Total		14	2184.82	75	3772.8	25	2818.6	61	4137.26	6	586.6	94	3657.05

Annual review of crop statistics 2016-17
Table 9(i)

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

STATE: KERALA

YEAR: 2016-17

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	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	6	6				
4	Alapuzha	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	8				
12	Wayanad	4	4				
13	Kannur	8	8				
14	Kasargod	4	4				
Total for all crops		100	100				

Annual review of crop statistics 2016-17
Table 9(ii)

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

STATE: KERALA

YEAR: 2016-17

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	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	6	6				
4	Alapuzha	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	8				
12	Wayanad	4	4				
13	Kannur	8	8				
14	Kasargod	4	4				
Total		100	100				

Annual review of crop statistics 2016-17

Table 9(iii)

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

STATE: KERALA

YEAR: 2016-17

SEASON: WINTER 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 expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	8	8	2372.4	0	0	8	2372.4	0	0	0	0	0	0	8	2372.4	0	0	8	2372.4
2	Kollam	6	0	0	4	1183.39	4	1183.39	0	0	2	1866.13	2	1866.13	0	0	6	1410.97	6	1410.97
3	Pathanamthitta	6	4	3722.81	2	691.6	6	2712.41	0	0	0	0	0	0	4	3722.81	2	691.6	6	2712.41
4	Alapuzha	8	3	4087.59	3	774.52	6	2431.05	0	0	2	863.79	2	863.79	3	4087.59	5	810.23	8	2039.24
5	Kottayam	8	8	3822.14	0	0	8	3822.14	0	0	0	0	0	0	8	3822.14	0	0	8	3822.14
6	Idukki	4	4	3982.4	0	0	4	3982.4	0	0	0	0	0	0	4	3982.4	0	0	4	3982.4
7	Ernakulam	8	8	4154.02	0	0	8	4154.02	0	0	0	0	0	0	8	4154.02	0	0	8	4154.02
8	Thrissur	8	5	4496.48	0	0	5	4496.48	1	3054.76	2	1622.95	3	2100.22	6	4256.2	2	1622.95	8	3597.89
9	Palakkad	10	7	3093.48	1	2886.99	8	3067.67	2	2881.34	0	0	2	2881.34	9	3046.34	1	2886.99	10	3030.4
10	Malappuram	10	8	4397.27	0	0	8	4397.27	2	317.56	0	0	2	317.56	10	3581.33	0	0	10	3581.33
11	Kozhikode	8	0	0	0	0	0	0	0	0	8	1105.38	8	1105.38	0	0	8	1105.38	8	1105.38
12	Wayanad	4	3	3661.93	0	0	3	3661.93	1	1012.93	0	0	1	1012.93	4	2999.68	0	0	4	2999.68
13	Kannur	8	7	4068.5	0	0	7	4068.5	1	3312	0	0	1	3312	8	3973.94	0	0	8	3973.94
14	Kasargod	4	0	0	0	0	0	0	4	3221.57	0	0	4	3221.57	4	3221.57	0	0	4	3221.57
State Total		100	65	3763.88	10	1132.73	75	3413.06	11	2423.98	14	1253.48	25	1768.5	76	3569.95	24	1203.17	100	3001.92

Annual review of crop statistics 2016-17

Table 9(iv)

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

STATE: KERALA

YEAR: 2016-17

SEASON: WINTER 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 expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	8	8	3052.92	0	0	8	3052.92	0	0	0	0	0	0	8	3052.92	0	0	8	3052.92
2	Kollam	6	2	3205.49	2	3317.17	4	3261.53	2	2131.39	0	0	2	2131.39	4	2668.44	2	3317.57	6	2884.81
3	Pathanamthitta	6	5	3716.44	0	0	5	3716.44	0	0	1	811.72	1	811.72	5	3716.44	1	811.72	6	3232.32
4	Alapuzha	8	4	4353.83	2	245.18	6	2984.28	0	0	2	371.54	2	371.54	4	4353.83	4	308.36	8	2331.1
5	Kottayam	8	7	4227.34	0	0	7	4227.34	1	4914.05	0	0	1	4914.05	8	4313.18	0	0	8	4313.18
6	Idukki	4	0	0	0	0	0	0	3	4193.62	1	2313.55	4	3723.6	3	4193.62	1	2313.55	4	3723.6
7	Ernakulam	8	7	3730.86	0	0	7	3730.86	0	0	1	4864.24	1	4864.24	7	3730.86	1	4864.24	8	3872.54
8	Thrissur	8	4	5577.41	1	0.04	5	4461.94	2	3424.19	1	959.44	3	2602.61	6	4859.67	2	479.74	8	3764.69
9	Palakkad	10	8	4304.61	1	1531.95	9	3996.54	1	651.17	0	0	1	651.17	9	3898.67	1	1531.95	10	3662
10	Malappuram	10	4	3853.68	4	3477.29	8	3665.49	2	1591.54	0	0	2	1591.54	6	3099.63	4	3477.29	10	3250.7
11	Kozhikode	8	0	0	1	3037.7	1	3037.7	1	2253.3	6	1180.92	7	1334.11	1	2253.3	7	1446.17	8	1547.06
12	Wayanad	4	2	4038.68	0	0	2	4038.68	2	2984.79	0	0	2	2984.79	4	3511.73	0	0	4	3511.73
13	Kannur	8	2	4581.6	2	3240.24	4	3810.92	3	2733.01	1	3367.2	4	2891.56	5	3472.75	3	3282.56	8	3401.24
14	Kasargod	4	1	643.55	0	0	1	643.55	2	3276.78	1	4554.37	3	3702.65	3	3399.04	1	4554.37	4	2937.87
State Total		100	54	3936.75	13	2468.06	67	3651.78	19	2916.62	14	1764.22	33	2427.72	73	3671.24	27	2103.11	100	3247.87

Annual review of crop statistics 2016-17

Table 9(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: WINTER PADDY

STATE SAMPLE

Sl. No.	District	Expts. Checked at harvest stage		Expts. Treated with Fertilizers only		Experiments With Fertilizers								Expts. 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	2372.4	2	1086.56	8	8	4	8	2372.40	53.41	23.05	28.65	0	0
2	Kollam	6	1410.97	1	1535.49	1	1	1	2	2088.42	39.1	14.82	25	4	1072.24
3	Pathanamthitta	6	2712.41	3	1061.67	6	6	6	6	2712.41	52.5	22.17	26	0	0
4	Alapuzha	8	2039.24	4	3066.64	4	4	4	4	3066.64	68.75	28	4	4	1011.84
5	Kottayam	8	3822.14	8	3822.14	8	8	8	8	3822.14	74.81	38.25	48.25	0	0
6	Idukki	4	3982.4	2	4660.26	4	4	3	4	3982.40	28.3	35.33	23.57	0	0
7	Ernakulam	8	4154.02	3	4204.04	8	7	8	8	4154.02	38.81	19.95	41.02	0	0
8	Thrissur	8	3597.89	1	4392.82	5	4	5	5	4496.48	73.38	52.13	54.6	3	2100.22
9	Palakkad	10	3030.4	1	5032.47	7	6	5	7	3505.90	73.44	39.67	49.48	3	1920.91
10	Malappuram	10	3581.33	4	5091.23	8	8	7	8	4180.12	54.56	31.74	54.4	2	1186.18
11	Kozhikode	8	1105.38	0	0	2	2	2	2	1185.85	42.9	22.2	34.2	6	1078.55
12	Wayanad	4	2999.68	2	839.762	2	2	2	2	839.76	19.4	19.4	14	2	5159.60
13	Kannur	8	3973.94	0	0	8	8	7	8	3973.94	52.32	19.4	39.43	0	0
14	Kasargod	4	3221.57	3	3582.06	3	3	3	3	3582.06	21.11	21.11	23.46	1	2140.10
State Total		100	3001.92	34	3349.57	74	71	65	75	3446.53	49.49	27.66	33.29	25	1668.11

Annual review of crop statistics 2016-17

Contd.....

Table 9(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: WINTER PADDY

STATE SAMPLE

Sl. No	District	Expts. Treated with Manure Only		Expts. Treated with Manure		Expts. Not Treated with Manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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	6	2801.11	2	1086.26	6	2801.11	0	0	8	2372.40
2	Kollam	3	1429.64	4	1732.57	2	767.77	1	2641.35	1	0.04	5	1693.16
3	Pathanamthitta	0	0	3	4363.15	3	1061.67	3	4363.15	0	0	6	2481.87
4	Alapuzha	3	1131.6	3	1131.6	5	2583.82	0	0	1	652.56	7	2237.34
5	Kottayam	0	0	0	0	8	3822.14	0	0	0	0	8	3822.14
6	Idukki	0	0	2	3304.55	2	4660.26	2	3304.55	0	0	4	3982.40
7	Ernakulam	0	0	5	4124.02	3	4204.04	5	4124.02	0	0	8	4154.02
8	Thrissur	3	2100.22	7	3484.32	1	4392.82	4	4522.4	0	0	8	3597.89
9	Palakkad	1	2683.73	7	3170.37	3	2703.82	6	3251.48	2	1539.50	8	3403.13
10	Malappuram	2	1186.18	6	2574.73	4	5091.23	4	3269	0	0	10	3581.33
11	Kozhikode	6	1078.55	8	1105.38	0	0	2	1185.85	0	0	8	1105.38
12	Wayanad	2	5159.60	2	5159.60	2	839.76	0	0	0	0	4	2999.68
13	Kannur	0	0	8	3973.94	0	0	8	3973.94	0	0	8	3973.94
14	Kasargod	1	2140.10	1	2140.10	3	3582.06	0	0	0	0	4	3221.57
State Total		21	1808.15	62	2944.76	38	3095.18	41	3526.93	4	932.9	96	3073.72

Annual review of crop statistics 2016-17

Table 9(vi)
CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS STATE: KERALA

SEASON: WINTER PADDY

CENTRAL SAMPLE

YEAR: 2016-17

Sl. No.	District	Expts. Checked at harvest stage		Expts. Treated with Fertilizers only		Experiments With Fertilizers								Expts. 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	3052.92	2	2113.7	8	8	6	8	3052.9	48.5	46.6	37.3	0	0
2	Kollam	6	2884.81	2	3317.6	5	4	4	5	3083.7	45.6	21.5	44.3	1	1890.4
3	Pathanamthitta	6	3232.32	0	0	5	5	5	5	3716.4	53.4	21.2	54.6	1	811.72
4	Alapuzha	8	2331.1	1	4217.1	6	6	6	6	2984.3	71.7	34.7	6	2	371.54
5	Kottayam	8	4313.18	3	4379.9	8	8	6	8	4313.2	42.1	27.6	22.8	0	0
6	Idukki	4	3723.6	1	5120.8	2	2	1	2	4936.6	17.7	29.7	33	2	2510.6
7	Ernakulam	8	3872.54	2	3574.8	5	5	3	6	4409	36.6	36.2	60.3	2	2263
8	Thrissur	8	3764.69	6	4558.2	7	6	3	7	3907.1	63.9	30.8	65	1	2768
9	Palakkad	10	3662	2	4328.6	9	7	6	9	3996.5	46.1	21.6	28	1	651.17
10	Malappuram	10	3250.7	0	0	9	9	7	9	3611.9	74	27.4	65	1	0.037
11	Kozhikode	8	1547.06	0	0	3	3	0	3	1581.1	31.7	31.7	0	5	1526.6
12	Wayanad	4	3511.73	0	0	2	0	2	2	2893.5	50	0	2	2	4129.9
13	Kannur	8	3401.24	0	0	4	2	4	4	4244	23	14	25.3	4	2558.5
14	Kasargod	4	2937.87	0	0	4	4	2	4	2937.9	23.8	21	36	0	0
State Total		100	3247.87	19	4026.1	77	69	55	78	3618.5	44.9	28	36.9	22	1933.6
Contd.....															

Annual review of crop statistics 2016-17

Table 9(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: WINTER PADDY

CENTRAL SAMPLE

Sl. No.	District	Expts. Treated with Manure Only		Expts. Treated with Manure		Expts. Not Treated with Manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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	6	3366	2	2113.7	6	3366	0	0	8	3052.9
2	Kollam	1	1890	4	2668.4	2	3317.6	3	2927.8	0	0	6	2884.8
3	Pathanamthitta	1	811.7	6	3232.3	0	0	5	3716.4	0	0	6	3232.3
4	Alapuzha	2	371.5	7	2061.7	1	4217.1	5	2737.7	0	0	8	2331.1
5	Kottayam	0	0	5	4273.1	3	4379.9	5	4273.1	0	0	8	4313.2
6	Idukki	2	2511	3	3257.9	1	5120.8	1	4752.4	0	0	4	3723.6
7	Ernakulam	2	2263	6	3971.8	2	3574.8	4	4826.2	0	0	8	3872.5
8	Thrissur	1	2768	2	1384	6	4558.2	1	0.037	0	0	8	3764.7
9	Palakkad	1	651.2	8	3495.3	2	4328.6	7	3901.7	0	0	10	3662
10	Malappuram	0	0	9	3611.9	1	0.037	9	3611.9	1	0.037	9	3611.9
11	Kozhikode	5	1527	8	1547.1	0	0	3	1581.1	0	0	8	1547.1
12	Wayanad	2	4130	4	3511.7	0	0	2	2893.5	0	0	4	3511.7
13	Kannur	4	2559	8	3401.2	0	0	4	4244	0	0	8	3401.2
14	Kasargod	0	0	4	2937.9	0	0	4	2937.9	0	0	4	2937.9
State Total		21	2026	80	3103.6	20	3824.8	59	3487.3	1	0.04	99	3280.7

Annual review of crop statistics 2016-17
Table 10(i)

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

STATE: KERALA

YEAR: 2016-17

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	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	6	6				
4	Alapuzha	8	8				
5	Kottayam	8	8				
6	Idukki	4	4				
7	Ernakulam	8	8				
8	Thrissur	8	8				
9	Palakkad	10	9		1		
10	Malappuram	10	10				
11	Kozhikode	8	8				
12	Wayanad	4	4				
13	Kannur	8	6				
14	Kasargod	4	6				
Total		100	99		1		

Annual review of crop statistics 2016-17
Table 10(ii)

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

STATE: KERALA

YEAR: 2016-17

CENTRAL 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	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	6	6				
4	Alapuzha	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	6		2		
12	Wayanad	4	4				
13	Kannur	8	8				
14	Kasargod	4	4				
Total		100	98		2		

Annual review of crop statistics 2016-17

Table 10(iii)

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

STATE: KERALA

YEAR: 2016-17

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 expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	8	8	3994.64	0	0	8	3994.64	0	0	0	0	0	0	8	3994.64	0	0	8	3994.64
2	Kollam	6	6	3349.91	0	0	6	3349.91	0	0	0	0	0	0	6	3349.91	0	0	6	3349.91
3	Pathanamthitta	6	6	3649.9	0	0	6	3649.9	0	0	0	0	0	0	6	3649.9	0	0	6	3649.9
4	Alapuzha	8	8	3339.25	0	0	8	3339.25	0	0	0	0	0	0	8	3339.25	0	0	8	3339.25
5	Kottayam	8	8	5541.02	0	0	8	5541.02	0	0	0	0	0	0	8	5541.02	0	0	8	5541.02
6	Idukki	4	4	3805.95	0	0	4	3805.95	0	0	0	0	0	0	4	3805.95	0	0	4	3805.95
7	Ernakulam	8	8	4561.38	0	0	8	4561.38	0	0	0	0	0	0	8	4561.38	0	0	8	4561.38
8	Thrissur	8	8	5538.35	0	0	8	5538.35	0	0	0	0	0	0	8	5538.35	0	0	8	5538.35
9	Palakkad	9	7	3546.49	0	0	7	3546.49	2	518.7	0	0	2	518.7	9	2873.64	0	0	9	2873.64
10	Malappuram	10	9	4879.56	1	3564.53	10	4748.06	0	0	0	0	0	0	9	4879.56	1	3564.53	10	4748.06
11	Kozhikode	8	5	3844.89	1	4918.4	6	4023.81	2	705.28	0	0	2	705.28	7	2947.86	1	4918.4	8	3194.18
12	Wayanad	4	4	3029.19	0	0	4	3029.19	0	0	0	0	0	0	4	3029.19	0	0	4	3029.19
13	Kannur	8	8	2557.56	0	0	7	2557.56	1	2881.95	0	0	1	2881.95	8	2598.11	0	0	8	2598.11
14	Kasargod	4	4	4631.04	0	0	2	4631.04	2	4147.2	0	0	2	4147.2	4	4389.12	0	0	4	4389.12
State Total		99	90	4091.86	2	4241.46	92	4095.11	7	1946.33	0	0	7	1946.33	97	3937.03	2	4241.46	99	3943.18

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Table 10(iv)

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

STATE: KERALA

YEAR: 2016-17

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 expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	8	6	2904.94	2	0.04	8	2178.71	0	0	0	0	0	0	6	2904.94	2	0.04	8	2178.71
2	Kollam	6	6	3225.41	0	0	6	3225.41	0	0	0	0	0	0	6	3225.41	0	0	6	3225.41
3	Pathanamthitta	6	6	6107.67	0	0	6	6107.67	0	0	0	0	0	0	6	6107.67	0	0	6	6107.67
4	Alapuzha	8	8	2497.53	0	0	8	2497.53	0	0	0	0	0	0	8	2497.53	0	0	8	2497.53
5	Kottayam	8	8	4205.23	0	0	8	4205.23	0	0	0	0	0	0	8	4205.23	0	0	8	4205.23
6	Idukki	4	4	3524.04	0	0	4	3524.04	0	0	0	0	0	0	4	3524.04	0	0	4	3524.04
7	Ernakulam	8	8	2546.29	0	0	8	2546.29	0	0	0	0	0	0	8	2546.29	0	0	8	2546.29
8	Thrissur	8	8	4848.45	0	0	8	4848.45	0	0	0	0	0	0	8	4848.45	0	0	8	4848.45
9	Palakkad	10	8	2809.51	2	632.03	10	2374.02	0	0	0	0	0	0	8	2809.51	2	632.03	10	2374.02
10	Malappuram	10	10	5102.72	0	0	10	5102.72	0	0	0	0	0	0	10	5102.72	0	0	10	5102.72
11	Kozhikode	6	4	3292.21	1	2546.54	5	3143.08	0	0	1	887.04	1	887.04	4	3292.21	2	1716.79	6	2767.07
12	Wayanad	4	4	4930.28	0	0	4	4930.28	0	0	0	0	0	0	4	4930.28	0	0	4	4930.28
13	Kannur	8	6	3671.72	0	0	6	3671.72	0	0	2	893.37	2	893.37	6	3671.72	2	893.37	8	2977.13
14	Kasargod	4	4	2764.54	0	0	4	2764.54	0	0	0	0	0	0	4	2764.54	0	0	4	2764.54
State Total		98	90	3775.4	5	762.14	95	3616.81	0	0	3	891.26	3	891.26	90	3775.4	8	810.56	98	3533.37

Annual review of crop statistics 2016-17

Table 10(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: SUMMER PADDY

STATE SAMPLE

Sl. No.	District	Expts. Checked at harvest stage		Expts. Treated with Fertilizers only		Experiments With Fertilizers								Expts. Not Treated with Fertilizers	
		No.	Yield Rate	No.	Yield Rate	No. of Experiments					Rate of Application			No.	Yield Rate
						N	P	K	Excl usive 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	3994.64	1	5794.76	6	6	4	6	4527.96	52.05	23.53	21.15	2	2394.68
2	Kollam	6	3349.91	4	4163.78	4	3	4	4	4163.78	95.45	22.67	103.75	2	1722.17
3	Pathanamthitta	6	3649.90	2	466.5	6	6	6	6	3649.90	60	25	30	0	0
4	Alapuzha	8	3339.26	7	2574.77	8	8	8	8	3139.75	96.5	48.75	60	0	0
5	Kottayam	8	5541.02	5	5160.78	8	8	8	8	5541.02	86	33.75	43.88	0	0
6	Idukki	4	3805.95	0	0	4	4	4	4	3805.95	46.57	42.25	23.88	0	0
7	Ernakulam	8	4561.38	4	5888.61	8	5	7	8	4561.38	36.33	29.21	31.61	0	0
8	Thrissur	8	5538.35	2	6006.58	8	8	8	8	5538.35	78.11	41.13	42.83	0	0
9	Palakkad	9	2873.64	1	3910.2	8	6	6	8	3122.35	50.56	45	33.93	1	881.6
10	Malappuram	10	4748.06	2	4502.76	7	7	5	7	4921.55	78.13	42.47	58.24	3	4343.25
11	Kozhikode	8	3194.18	1	5174.53	5	4	2	5	3905.77	66.56	25.69	39.57	3	2008.19
12	Wayanad	4	3029.19	0	0	1	1	1	1	1783.24	36	20	3	3	3412.64
13	Kannur	8	2598.11	0	0	8	7	5	8	2598.11	38.4	24.06	24.76	0	0
14	Kasargod	4	4389.12	0	0	4	4	3	4	4389.12	25.25	19.15	18.87	0	0
State Total		99	3943.18	29	4167.86	85	77	71	85	4120.89	60.42	31.62	38.25	14	2743.4

Annual review of crop statistics 2016-17

Table 10(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: SUMMER PADDY

STATE SAMPLE

Sl. No.	District	Expts. Treated with Manure Only		Expts. Treated with Manure		Expts. Not Treated with Manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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	2	2394.68	7	3737.48	1	5794.76	5	4274.6	0	0	8	3994.64
2	Kollam	2	1722.17	2	1722.17	4	4163.78	0	0	0	0	6	3349.91
3	Pathanamthitta	0	0	4	5241.60	2	466.5	4	5241.59	0	0	6	3649.90
4	Alapuzha	0	0	1	7094.6	7	2574.77	1	7094.6	0	0	8	3139.75
5	Kottayam	0	0	3	6174.75	5	5160.78	3	6174.75	0	0	8	5541.02
6	Idukki	0	0	4	3805.95	0	0	4	3805.95	0	0	4	3805.95
7	Ernakulam	0	0	4	3234.14	4	5888.61	4	3234.14	0	0	8	4561.38
8	Thrissur	0	0	6	5382.28	2	6006.58	6	5382.28	0	0	8	5538.35
9	Palakkad	0	0	7	3010.14	2	2395.9	7	3010.14	1	881.6	8	3122.65
10	Malappuram	2	4732.61	7	4987.22	3	4190.02	5	5089.06	1	3564.53	9	4879.56
11	Kozhikode	3	2008.19	7	2911.27	1	5174.53	4	3588.58	0	0	8	3194.18
12	Wayanad	2	4600.23	3	3661.23	1	2074.90	1	0	1	1037.45	3	3661.23
13	Kannur	0	0	8	2598.11	0	0	8	2598.11	0	0	8	2598.11
14	Kasargod	0	0	4	4389.12	0	0	4	4389.12	0	0	4	4389.12
State Total		11	2993.09	67	3915.39	32	3980.91	56	4064.72	3	1827.86	96	3991.66

Annual review of crop statistics 2016-17

Table 10(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: SUMMER PADDY

CENTRAL SAMPLE

Sl. No.	District	Expts. Checked at harvest stage		Expts. Treated with Fertilizers only		Experiments With Fertilizers								Expts. 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	2178.71	0	0	6	6	4	6	2904.94	45.17	18	30	2	0.04
2	Kollam	6	3225.41	2	3904.12	6	5	5	6	3225.41	41.33	18	27	0	0
3	Pathanamthitta	6	6107.67	0	0	6	6	6	6	6107.67	70.5	32.17	46.17	0	0
4	Alapuzha	8	2497.53	1	3351.87	8	8	8	8	2497.53	58.63	27.13	40.75	0	0
5	Kottayam	8	4205.23	8	4205.23	8	8	6	8	4205.23	87.13	40.88	80.5	0	0
6	Idukki	4	3524.04	1	1347.84	4	4	3	4	3524.04	46.25	39	23.33	0	0
7	Ernakulam	8	2546.29	4	3577.83	8	6	7	8	2546.29	25.88	13.83	29.57	0	0
8	Thrissur	8	4848.45	5	4993.56	8	8	7	8	4848.45	79.25	41	57.86	0	0
9	Palakkad	10	2374.02	4	2352.57	10	10	9	10	2374.02	71.4	25.8	45.11	0	0
10	Malappuram	10	5102.72	2	5324.09	10	10	0	10	5102.72	47.8	24.5	37.38	0	0
11	Kozhikode	6	2767.07	1	2546.54	4	4	1	3	2549.01	31.5	19	16	3	2985.14
12	Wayanad	4	4930.28	2	3666.49	1	3	1	4	4328.21	25	22.67	56.5	0	0
13	Kannur	8	2977.13	2	2672.74	0	1	1	6	3879.57	53	25	37	2	2527.22
14	Kasargod	4	2764.54	0	0	1	1	1	3	2642.03	56.33	26.33	0	1	3132.08
State Total		98	3533.37	32	3772.26	80	80	59	90	3680.39	56.86	26.67	40.55	8	2142.75

Annual review of crop statistics 2016-17

Table 10(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: SUMMER PADDY

CENTRAL SAMPLE

Sl. No.	District	Expts. Treated with Manure Only		Expts. Treated with Manure		Expts. Not Treated with Manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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	2	0.04	8	2178.71	0	0	6	2904.94	0	0	8	2178.71
2	Kollam	0	0	4	2886.06	2	3904.12	4	2886.06	0	0	6	3225.41
3	Pathanamthitta	0	0	6	6107.67	0	0	6	6107.67	0	0	6	6107.67
4	Alapuzha	0	0	7	2375.48	1	3351.87	7	2375.48	0	0	8	2497.53
5	Kottayam	0	0	0	0	8	4205.23	0	0	0	0	8	4205.23
6	Idukki	0	0	3	4249.44	1	1347.84	3	4249.44	0	0	4	3524.04
7	Ernakulam	0	0	4	1514.74	4	3577.83	4	1514.74	0	0	8	2546.29
8	Thrissur	0	0	3	4606.60	5	4993.56	3	4606.6	0	0	8	4848.45
9	Palakkad	0	0	6	2388.32	4	2352.57	6	2388.32	0	0	10	2374.02
10	Malappuram	0	0	8	5047.38	2	5324.09	8	5047.38	0	0	10	5102.72
11	Kozhikode	3	2985.14	5	2811.18	1	2546.54	2	2550.24	0	0	6	2767.07
12	Wayanad	0	0	2	6194.07	2	3666.49	2	0	0	0	4	4930.28
13	Kannur	2	2527.22	6	3078.60	2	2672.74	4	3354.28	0	0	8	2977.13
14	Kasargod	1	3132.08	4	2764.54	0	0	3	2642.03	0	0	4	2764.54
State Total		8	2142.75	66	3417.55	32	3772.26	58	3593.38	0	0	98	3533.37

Annual review of crop statistics 2016-17
Table 11(i)

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

STATE: KERALA

YEAR: 2016-17

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	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alapuzha	4	4				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	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	Kasargod	4	4				
Total		50	50				

Annual review of crop statistics 2016-17
Table 11(ii)

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

STATE: KERALA

YEAR: 2016-17

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	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alapuzha	4	4				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	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	Kasargod	4	4				
Total		50	50				

Annual review of crop statistics 2016-17

Table 11(iii)

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

STATE: KERALA

YEAR: 2016-17

SEASON: ANNUAL 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 expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	4	0	0	0	0	0	0	4	11033	0	0	4	11033.3	4	11033.3	0	0	4	11033.3
2	Kollam	4	0	0	0	0	0	0	3	13978	1	19133.3	4	15266.7	3	13977.8	1	19133.3	4	15266.67
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	4	0	0	0	0	0	0	4	10850	0	0	4	10850	4	10850	0	0	4	10850
5	Kottayam	4	0	0	0	0	0	0	4	12417	0	0	4	12416.7	4	12416.7	0	0	4	12416.67
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	0	0	0	0	0	0	3	12244	1	13533.3	4	12566.7	3	12244.4	1	13533.3	4	12566.67
8	Thrissur	6	0	0	0	0	0	0	6	18789	0	0	6	18788.9	6	18788.9	0	0	6	18788.89
9	Palakkad	6	1	14733.3	0	0	1	14733.3	5	9973	0	0	5	9973.33	6	10766.7	0	0	6	10766.67
10	Malappuram	6	0	0	0	0	0	0	6	14033	0	0	6	14033.3	6	14033.3	0	0	6	14033.33
11	Kozhikode	4	0	0	0	0	0	0	4	14042	0	0	4	14041.7	4	14041.7	0	0	4	14041.67
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	0	0	0	0	0	0	1	16267	3	21377.8	4	20100	1	16266.7	3	21377.8	4	20100
14	Kasargod	4	0	0	0	0	0	0	4	18383	0	0	4	18383.3	4	18383.3	0	0	4	18383.33
State Total		50	1	14733.3	0	0	1	14733.3	44	13833	5	19360	49	14396.6	45	13852.6	5	19360	50	14403.33

Annual review of crop statistics 2016-17

Table 11(iv)

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

STATE: KERALA

YEAR: 2016-17

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 expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	4	0	0	0	0	0	0	3	11622	1	3400	4	9566.67	3	11622	1	3400	4	9566.67
2	Kollam	4	0	0	0	0	0	0	2	18167	2	14066.7	4	16116.7	2	18166.7	2	14066.7	4	16116.7
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	4	0	0	0	0	0	0	0	0	4	12308.3	4	12308.3	0	0	4	12308.3	4	12308.3
5	Kottayam	4	0	0	0	0	0	0	1	17600	3	16666.7	4	16900	1	17600	3	16666.7	4	16900
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	0	0	0	0	0	0	2	14167	2	13266.7	4	13716.7	2	14166.7	2	13266.7	4	13716.7
8	Thrissur	6	0	0	0	0	0	0	6	16018	0	0	6	16017.8	6	16017.8	0	0	6	16017.8
9	Palakkad	6	0	0	0	0	0	0	6	15428	0	0	6	15427.8	6	15427.8	0	0	6	15427.8
10	Malappuram	6	2	19800	0	0	2	19800	4	13542	0	0	4	13541.7	6	15627.8	0	0	6	15627.78
11	Kozhikode	4	0	0	0	0	0	0	2	16033	2	17966.7	4	17000	2	16033.3	2	17966.7	4	17000
12	Wayanad	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	3	16644	1	17666.7	4	16900	3	16644.4	1	17666.7	4	16900
14	Kasargod	4	0	0	0	0	0	0	2	16833	2	18700	4	17766.7	2	16833.3	2	18700	4	17766.7
State Total		50	2	19800	0	0	2	19800	31	15343	17	14605.9	48	15082.1	33	15613.3	17	14605.9	50	15270.8

Annual review of crop statistics 2016-17

Table 11(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: ANNUAL

BANANA

STATE SAMPLE

Sl. No.	District	Expts. Checked at harvest stage		Expts. Treated with Fertilizers only		Experiments With Fertilizers								Expts. Not Treated with Fertilizers	
		No.	Yield Rate	No.	Yield Rate	No. of Experiments					Rate of Application			No.	Yield Rate
						N	P	K	Exclusive Total	Yield Rate	N	P	K		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	11033.33	0	0	1	1	1	1	12800	72	72	72	3	10444.44
2	Kollam	4	15266.67	1	19133.3	2	1	2	2	21000	26	69	30	2	9533.33
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	4	10850	0	0	1	1	0	1	7266.67	120	120	0	3	12044.44
5	Kottayam	4	12416.67	1	21133.3	2	2	2	2	13233.33	283.5	79	119	2	11600
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	12566.67	1	13533.3	3	2	1	3	12800	142.13	55.3	228	1	11866.67
8	Thrissur	6	18788.89	0	0	3	3	3	3	22444.44	199.33	168.67	362	3	15133.33
9	Palakkad	6	10766.67	2	8800	4	4	1	3	11088.89	29.75	29.5	66	3	10444.44
10	Malappuram	6	14033.33	0	0	3	2	2	3	13777.78	81.63	8.97	156.9	3	14288.89
11	Kozhikode	4	14041.67	1	14866.7	3	3	3	3	13644.44	144.67	98.67	170.67	1	15233.33
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	20100	0	0	2	2	0	2	16066.67	179	179	0	2	24133.33
14	Kasargod	4	18383.33	0	0	2	2	2	2	16400	93	93	63	2	20366.7
State Total		50	14403.33	6	14377.8	26	23	17	25	14989.33	124.64	88.46	140.84	25	13817.33

Annual review of crop statistics 2016-17

Table 11(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: ANNUAL

BANANA

STATE SAMPLE

Sl. No.	District	Expts. Treated with Manure Only		Expts. Treated with Manure		Expts. Not Treated with Manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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	3	10444.44	4	11033.33	0	0	1	12800	0	0	4	11033.3
2	Kollam	2	9533.33	3	13977.78	1	19133.33	1	22866.7	0	0	4	15266.7
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	3	12044.44	4	10850	0	0	1	7266.67	0	0	4	10850
5	Kottayam	2	11600	3	9511.11	1	21133.33	1	5333.33	0	0	4	12416.7
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	1	11866.67	3	12244.44	1	13533.33	2	12433.3	0	0	4	12566.7
8	Thrissur	3	15133.33	6	18788.89	0	0	3	22444.4	0	0	6	18788.9
9	Palakkad	2	10666.67	3	12333.33	3	9200	1	15666.7	1	10000	5	10920
10	Malappuram	3	14288.89	6	14033.33	0	0	3	13777.8	0	0	6	14033.3
11	Kozhikode	1	15233.33	3	13766.67	1	14866.67	2	13033.3	0	0	4	14041.7
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	25466.67	3	19200	1	22800	2	16066.7	1	22800	3	19200
14	Kasargod	2	20366.67	4	18383.33	0	0	2	16400	0	0	4	18383.3
State Total		23	13592.75	42	14311.9	8	14883.33	19	15182.5	2	16400	48	14320.1

Annual review of crop statistics 2016-17

Table 11(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: ANNUAL

CROP: BANANA

CENTRAL SAMPLE

Sl. No.	District	Expts. Checked at harvest stage		Expts. Treated with Fertilizers only		Experiments With Fertilizers								Expts. Not Treated with Fertilizers	
		No.	Yield Rate	No.	Yield Rate	No. of Experiments					Rate of Application			No.	Yield Rate
						N	P	K	Exclusive Total	Yield Rate	N	P	K		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	9566.67	0	0	3	3	1	3	11622.22	34.67	34.67	54	1	3400
2	Kollam	4	16116.7	0	0	3	3	2	3	13977.78	70.33	40.67	55.5	1	22533.33
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	4	12308.3	0	0	2	2	0	2	14666.67	446	170	0	2	9950
5	Kottayam	4	16900	0	0	3	3	3	3	16666.67	417	448	307	1	17600
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	13716.7	0	0	1	1	1	1	18666.67	79	79	148	3	12066.67
8	Thrissur	6	16017.8	0	0	5	5	4	5	17194.67	151.2	108	144	1	10133.33
9	Palakkad	6	15427.8	0	0	5	5	4	5	16153.33	307	192.6	297.5	1	11800
10	Malappuram	6	15627.78	0	0	6	5	3	6	15627.78	214.67	131.6	464.33	0	0
11	Kozhikode	4	17000	0	0	2	2	3	3	18400	181.5	113	525	1	12800
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	16900	1	19533.3	4	4	1	4	16900	187.5	84.25	144	0	0
14	Kasargod	4	17766.7	2	18700	2	2	0	2	18700	204	159.5	0	2	16833.33
State Total		50	15270.8	3	18977.8	36	35	22	37	16094.77	208.44	141.94	237.7	13	12925.64

Annual review of crop statistics 2016-17

Table 11(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: ANNUAL

CROP : BANANA

CENTRAL SAMPLE

Sl. No.	District	Expts. Treated with Manure Only		Expts. Treated with Manure		Expts. Not Treated with Manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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	3	11622.22	1	3400	3	11622.2	1	3400	3	11622.22
2	Kollam	1	22533.33	4	16116.67	0	0	3	13977.8	0	0	4	16116.67
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	2	9950	4	12308.33	0	0	2	14666.7	0	0	4	12308.33
5	Kottayam	0	0	3	16666.67	1	17600	3	16666.67	1	17600	3	16666.67
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	2	14166.67	3	15666.67	1	7866.67	1	18666.7	1	7866.67	3	15666.67
8	Thrissur	1	10133.33	6	16017.78	0	0	5	17194.7	0	0	6	16017.78
9	Palakkad	1	11800	6	15427.78	0	0	5	16153.3	0	0	6	15427.78
10	Malappuram	0	0	6	15627.78	0	0	6	15627.8	0	0	6	15627.78
11	Kozhikode	1	12800	4	17000	0	0	3	18400	0	0	4	17000
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	3	16022.22	1	19533.33	3	16022.2	0	0	4	16900
14	Kasargod	2	16833.33	2	16833.33	2	18700	0	0	0	0	4	17766.67
State Total		10	13916.67	44	15403.18	6	14300	34	15840.4	3	9622.22	47	15631.35

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Table 12(i)

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

STATE: KERALA

YEAR: 2016-17

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	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alapuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
Total		40	40				

Annual review of crop statistics 2016-17
Table 12(ii)

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

STATE: KERALA

YEAR: 2016-17

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	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alapuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
Total		40	40				

Annual review of crop statistics 2016-17

Table 12(iii)

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

STATE: KERALA

YEAR: 2016-17

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 expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	4	1	80000	1	32500	2	56250	0	0	2	90000	2	90000	1	80000	3	70833.33	4	73125
2	Kollam	4	0	0	0	0	0	0	0	0	4	28562.5	4	28562.5	0	0	4	28562.5	4	28562.5
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	0	0	1	21250	1	21250	0	0	3	27916.7	3	27916.7	0	0	4	26250	4	26250
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	1	55000	2	51250	3	52500	0	0	1	8750	1	8750	1	55000	3	37083.33	4	41562.5
8	Thrissur	4	0	0	0	0	0	0	3	44583	1	52250	4	46500	3	44583.3	1	52250	4	46500
9	Palakkad	4	0	0	0	0	0	0	0	0	4	24562.5	4	24562.5	0	0	4	24562.5	4	24562.5
10	Malappuram	4	0	0	0	0	0	0	2	9500	2	29375	4	19437.5	2	9500	2	29375	4	19437.5
11	Kozhikode	4	0	0	0	0	0	0	1	32500	3	24166.7	4	26250	1	32500	3	24166.67	4	26250
12	Wayanad	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	34687.5	4	34687.5	0	0	4	34687.5	4	34687.5
14	Kasargod	4	0	0	0	0	0	0	0	0	4	31875	4	31875	0	0	4	31875	4	31875
State Total		40	2	67500	4	39062.5	6	48541.67	6	30875	28	33383.9	34	32941.2	8	40031.3	32	34093.75	40	35281.25

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Table 12(iv)

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

STATE: KERALA

YEAR: 2016-17

SEASON: ANNUAL

CROP: 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 expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	4	0	0	2	31250	2	31250	2	14125	0	0	2	14125	2	14125	2	31250	4	22688
2	Kollam	4	0	0	0	0	0	0	1	24500	3	35417	4	32688	1	24500	3	35416.67	4	32688
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	0	0	2	26625	2	26625	0	0	2	40625	2	40625	0	0	4	33625	4	33625
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	0	0	2	46250	2	46250	0	0	2	44375	2	44375	0	0	4	45312.5	4	45313
8	Thrissur	4	1	10000	1	13750	2	11875	2	23125	0	0	2	23125	3	18750	1	13750	4	17500
9	Palakkad	4	0	0	0	0	0	0	4	49344	0	0	4	49344	4	49343.8	0	0	4	49344
10	Malappuram	4	1	37500	1	23750	2	30625	2	12500	0	0	2	12500	3	20833.3	1	23750	4	21563
11	Kozhikode	4	0	0	0	0	0	0	1	5000	3	17500	4	14375	1	5000	3	17500	4	14375
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	0	0	0	0	0	0	1	58750	3	35417	4	41250	1	58750	3	35416.67	4	41250
14	Kasargod	4	0	0	0	0	0	0	0	0	4	34688	4	34688	0	0	4	34687.5	4	34688
State Total		40	2	23750	8	30718.75	10	29325	13	29625	17	33750	30	31963	15	28841.7	25	32780	40	31303

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Table 12(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: ANNUAL

CROP: TAPIOCA

STATE SAMPLE

Sl. No.	District	Expts. Checked at harvest stage		Expts. Treated with Fertilizers only		Experiments With Fertilizers								Expts. Not Treated with Fertilizers	
		No.	Yield Rate	No.	Yield Rate	No. of Experiments					Rate of Application			No.	Yield Rate
						N	P	K	Exclusive Total	Yield Rate	N	P	K		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	73125	0	0	1	1	1	1	80000	88.2	88.2	88.2	3	70833.33
2	Kollam	4	28562.5	0	0	1	1	1	1	19000	16	40	100	3	31750
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	26250	1	21250	1	1	0	1	21250	48.6	48.6	0	3	27916.67
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	41562.5	2	38125	3	3	2	3	52500	204.8	114.33	433.2	1	8750
8	Thrissur	4	46500	0	0	1	1	0	1	52250	20	20	0	3	44583.33
9	Palakkad	4	24562.5	0	0	0	0	0	0	0	0	0	0	4	24562.5
10	Malappuram	4	19437.5	0	0	0	0	0	0	0	0	0	0	4	19437.5
11	Kozhikode	4	26250	0	0	2	2	2	2	37000	15.8	15.8	31.5	2	21250
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	34687.5	0	0	0	0	0	0	0	0	0	0	4	34687.5
14	Kasargod	4	31875	0	0	0	0	0	0	0	0	0	0	4	31875
State Total		40	35281.25	3	32500	9	9	6	9	44888.89	65.57	54.49	163.23	31	32862.9

Annual review of crop statistics 2016-17

Table 12(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: ANNUAL

CROP: TAPIOCA

STATE SAMPLE

Sl. No.	District	Expts. Treated with Manure Only		Expts. Treated with Manure		Expts. Not Treated with Manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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	2	64375	3	69583.33	1	83750	1	80000	1	83750	3	69583.33
2	Kollam	3	31750	4	28562.5	0	0	1	19000	0	0	4	28562.5
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	2	35000	2	35000	2	17500	0	0	1	13750	3	30416.67
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	0	0	1	81250	3	28333.33	1	81250	1	8750	3	52500
8	Thrissur	3	44583.33	4	46500	0	0	1	52250	0	0	4	46500
9	Palakkad	1	33750	1	33750	3	21500	0	0	3	21500	1	33750
10	Malappuram	4	19437.5	4	19437.5	0	0	0	0	0	0	4	19437.5
11	Kozhikode	2	21250	4	29125	0	0	2	37000	0	0	4	29125
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	45000	1	45000	3	31250	0	0	3	31250	1	45000
14	Kasargod	2	48750	2	48750	2	15000	0	0	2	15000	2	48750
State Total		20	36212.5	26	39644.23	14	28000	6	51083.33	11	26772.73	29	38905.17

Annual review of crop statistics 2016-17

Table 12(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: ANNUAL

CROP: TAPIOCA

CENTRAL SAMPLE

Sl. No	District	Expts. Checked at harvest stage		Expts. Treated with Fertilizers only		Experiments With Fertilizers								Expts. Not Treated with Fertilizers	
		No.	Yield Rate	No.	Yield Rate	No. of Experiments					Rate of Application			No.	Yield Rate
						N	P	K	Exclusive Total	Yield Rate	N	P	K		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	22688	1	26250	2	2	2	2	23750	101	101	101	2	21625
2	Kollam	4	32688	0	0	0	0	0	0	0	0	0	0	4	32687.5
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	33625	1	5750	2	1	2	2	23500	171.5	25	336	2	43750
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	45313	0	0	1	1	0	1	33750	163	163	0	3	49166.67
8	Thrissur	4	17500	1	10000	1	1	1	1	10000	13	13	13	3	20000
9	Palakkad	4	49344	2	46250	2	2	2	2	46250	107	107	239	2	52437.5
10	Malappuram	4	21563	0	0	1	1	1	1	37500	41	41	82	3	16250
11	Kozhikode	4	14375	0	0	1	1	0	1	20000	31	31	0	3	12500
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	41250	0	0	0	0	0	0	0	0	0	0	4	41250
14	Kasargod	4	34688	0	0	2	2	2	2	33125	38.5	38.5	77	2	36250
State Total		40	31303	5	26900	12	11	10	12	29541.67	83.25	64.94	141.33	28	32058.04

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Table 12(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: ANNUAL

CROP: TAPIOCA

CENTRAL SAMPLE

Sl. No.	District	Expts. Treated with Manure Only		Expts. Treated with Manure		Expts. Not Treated with Manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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	2	21625	3	21500	1	26250	1	21250	0	0	4	22687.5
2	Kollam	4	32687.5	4	32687.5	0	0	0	0	0	0	4	32687.5
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	2	43750	3	42916.67	1	5750	1	41250	0	0	4	33625
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	3	49166.67	4	45312.5	0	0	1	33750	0	0	4	45312.5
8	Thrissur	1	21250	1	21250	3	16250	0	0	2	19375	2	15625
9	Palakkad	0	0	0	0	4	49343.75	0	0	2	52437.5	2	46250
10	Malappuram	3	16250	4	21562.5	0	0	1	37500	0	0	4	21562.5
11	Kozhikode	1	5000	2	12500	2	16250	1	20000	2	16250	2	12500
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	3	35416.67	3	35416.67	1	58750	0	0	1	58750	3	35416.67
14	Kasargod	0	0	2	33125	2	36250	2	33125	2	36250	2	33125
State Total		19	31065.79	26	31163.46	14	31562.5	7	31428.6	9	34152.78	31	30475.81

Annual review of crop statistics 2016-17
Table 13(i)

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

STATE: KERALA

YEAR: 2016-17

STATE SAMPLE

SEASON: PERENNIAL

CROP: COCONUT

SL.N o.	District	No. of Experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alapuzha	4	4				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	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	Kasargod	4	4				
Total		50	50				

Annual review of crop statistics 2016-17
Table 13(ii)

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

STATE: KERALA

YEAR: 2016-17

CENTRAL SAMPLE

SEASON: PERENNIAL

CROP: COCONUT

SL.N o.	District	No. of Experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alapuzha	4	4				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	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	Kasargod	4	4				
Total		50	50				

Annual review of crop statistics 2016-17

Table 13(iii)

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

STATE: KERALA

YEAR: 2016-17

SEASON: PERENNIAL

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 expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	4	0	0	0	0	0	0	1	6628	3	12969.3	4	11384.1	1	6628.4	3	12969.3	4	11384.1
2	Kollam	4	0	0	0	0	0	0	0	0	4	10563	4	10563	0	0	4	10563	4	10563
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	4	0	0	0	0	0	0	1	17064	3	8658.4	4	10759.8	1	17064	3	8658.4	4	10759.8
5	Kottayam	4	0	0	0	0	0	0	1	8432	3	7746.8	4	7918	1	8431.6	3	7746.8	4	7918
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	0	0	0	0	0	0	2	4786	2	3908.3	4	4347.2	2	4786.1	2	3908.3	4	4347.2
8	Thrissur	6	0	0	0	0	0	0	6	6750	0	0	6	6749.93	6	6749.93	0	0	6	6749.93
9	Palakkad	6	0	0	0	0	0	0	2	4503	4	6896.7	6	6098.8	2	4503	4	6896.7	6	6098.8
10	Malappuram	6	0	0	0	0	0	0	3	10409	3	9558.4	6	9983.73	3	10409.1	3	9558.4	6	9983.73
11	Kozhikode	4	0	0	0	0	0	0	0	0	4	8739.75	4	8739.75	0	0	4	8739.75	4	8739.75
12	Wayanad	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	7045.5	4	7045.5	0	0	4	7045.5	4	7045.5
14	Kasargod	4	0	0	0	0	0	0	3	8065	1	6772.8	4	7741.8	3	8064.8	1	6772.8	4	7741.8
State Total		50	0	0	0	0	0	0	19	7717	31	8527.99	50	8219.82	19	7717.02	31	8527.99	50	8219.82

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Table 13(iv)

ESTIMATED YIELD RATED OF HIGH YIELDING AND OTHER VARITIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

STATE: KERALA

YEAR: 2016-17

SEASON: PERENNIAL

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 expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	4	0	0	0	0	0	0	0	0	4	9307	4	9307	0	0	4	9307	4	9307
2	Kollam	4	0	0	0	0	0	0	0	0	4	8988	4	8988	0	0	4	8988	4	8988
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	4	0	0	0	0	0	0	0	0	4	7951.35	4	7951.35	0	0	4	7951.35	4	7951.35
5	Kottayam	4	0	0	0	0	0	0	0	0	4	4001.8	4	4001.8	0	0	4	4001.8	4	4001.8
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	0	0	0	0	0	0	0	0	4	6395.4	4	6395.4	0	0	4	6395.4	4	6395.4
8	Thrissur	6	0	0	0	0	0	0	5	10844	1	10217.6	6	10739.5	5	10844	1	10217.6	6	10739.5
9	Palakkad	6	0	0	0	0	0	0	0	0	6	8358.2	6	8358.2	0	0	6	8358.2	6	8358.2
10	Malappuram	6	0	0	0	0	0	0	0	0	6	7137.87	6	7137.87	0	0	6	7137.87	6	7137.87
11	Kozhikode	4	0	0	0	0	0	0	1	6622	3	7080.67	4	6966	1	6622	3	7080.67	4	6966
12	Wayanad	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	9996	2	8568	4	9282	2	9996	2	8568	4	9282
14	Kasargod	4	0	0	0	0	0	0	2	10220	2	9771.6	4	9996	2	10220	2	9771.6	4	9996
State Total		50	0	0	0	0	0	0	10	10127	40	7692.24	50	8179.27	10	10127	40	7692.24	50	8179.27

Annual review of crop statistics 2016-17

Table 13(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: PERENNIAL

CROP: COCONUT

STATE SAMPLE

Sl. No	District	Expts. Checked at harvest stage		Expts. Treated with Fertilizers only		Experiments With Fertilizers								Expts. Not Treated with Fertilizers	
		No.	Yield Rate	No	Yield Rate	No. of Experiments					Rate of Application			No.	Yield Rate
						N	P	K	Exclusive Total	Yield Rate	N	P	K		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	11384.05	0	0	0	0	0	0	0	0	0	0	4	11384.05
2	Kollam	4	10563	0	0	0	0	0	0	0	0	0	0	4	10563
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	4	10759.8	0	0	0	0	0	0	0	0	0	0	4	10759.8
5	Kottayam	4	7918	0	0	0	0	0	0	0	0	0	0	4	7918
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	4347.2	0	0	0	0	0	0	0	0	0	0	4	4347.2
8	Thrissur	6	6749.93	0	0	0	0	0	0	0	0	0	0	6	6749.93
9	Palakkad	6	6098.8	0	0	0	0	0	0	0	0	0	0	6	6098.8
10	Malappuram	6	9983.73	0	0	0	0	0	0	0	0	0	0	6	9983.73
11	Kozhikode	4	8739.75	0	0	2	2	2	2	9030	41.5	20.75	83	2	8449.5
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	7045.5	0	0	0	0	0	0	0	0	0	0	4	7045.5
14	Kasargod	4	7741.8	0	0	1	1	1	1	6854.4	50	25	100	3	8037.6
State Total		50	8219.82	0	0	3	3	3	3	8304.8	45.75	22.88	91.5	47	8214.4

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Table 13(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: PERENNIAL

CROP: COCONUT

STATE SAMPLE

Sl. No.	District	Expts. Treated with Manure Only		Expts. Treated with Manure		Expts. Not Treated with Manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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	3	8777.33	3	8777.33	1	19204.2	0	0	1	19204.2	3	8777.33
2	Kollam	3	12572	3	12572	1	4536	0	0	1	4536	3	12572
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	2	15713.1	2	15713.1	2	5806.5	0	0	2	5806.5	2	15713.1
5	Kottayam	3	8246.13	3	8246.13	1	6933.6	0	0	1	6933.6	3	8246.13
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	1	4514.4	1	4514.4	3	4291.47	0	0	3	4291.47	1	4514.4
8	Thrissur	5	7177.04	5	7177.04	1	4614.4	0	0	1	4614.4	5	7177.04
9	Palakkad	2	6067.2	2	6067.2	4	6114.6	0	0	4	6114.6	2	6067.2
10	Malappuram	6	9983.73	6	9983.73	0	0	0	0	0	0	6	9983.73
11	Kozhikode	2	8449.5	4	8739.75	0	0	2	9030	0	0	4	8739.75
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	0	0	4	7045.5	0	0	4	7045.5	0	0
14	Kasargod	2	7588.8	3	7344	1	8935.2	1	6854.4	1	8935.2	3	7344
State Total		29	9128.47	32	9051.25	18	6741.73	3	8304.8	18	6741.73	32	9051.25

Annual review of crop statistics 2016-17

Table 13(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: PERENNIAL

CROP: COCONUT

CENTRAL SAMPLE

Sl. No.	District	Expts. Checked at harvest stage		Expts. Treated with Fertilizers only		Experiments With Fertilizers								Expts. Not Treated with Fertilizers	
		No.	Yield Rate	No.	Yield Rate	No. of Experiments					Rate of Application			No.	Yield Rate
						N	P	K	Exclusive Total	Yield Rate	N	P	K		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	9307	0	0	0	0	0	0	0	0	0	0	4	9307
2	Kollam	4	8988	0	0	0	0	0	0	0	0	0	0	4	8988
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	4	7951.35	1	10902	1	1	0	1	10902	88	88	0	3	6967.8
5	Kottayam	4	4001.8	0	0	0	0	0	0	0	0	0	0	4	4001.8
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	6395.4	0	0	0	0	0	0	0	0	0	0	4	6395.4
8	Thrissur	6	10739.47	0	0	1	1	1	1	10835.6	49	25	49	5	10720.24
9	Palakkad	6	8358.2	0	0	1	1	0	1	4882.2	47	47	0	5	9053.4
10	Malappuram	6	7137.87	0	0	0	0	0	0	0	0	0	0	6	7137.87
11	Kozhikode	4	6966	0	0	0	0	0	0	0	0	0	0	4	6966
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	9282	1	8568	1	1	0	1	8568	4	4	0	3	9520
14	Kasargod	4	9996	0	0	0	0	0	0	0	0	0	0	4	9996
State Total		50	8179.27	2	9735	4	4	1	4	8796.95	47	41	49	46	8125.56

Annual review of crop statistics 2016-17

Table 13(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: PERENNIAL

CROP: COCONUT

CENTRAL SAMPLE

Sl. No.	District	Expts. Treated with Manure Only		Expts. Treated with Manure		Expts. Not Treated with Manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. Treated with Fertilizers or Manure or Both	
		No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	1	11667.8	1	11667.8	3	8520.07	0	0	3	8520.07	1	11667.8
2	Kollam	1	13398	1	13398	3	7518	0	0	3	7518	1	13398
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	1	6304.2	1	6304.2	3	8500.4	0	0	2	7299.6	2	8603
5	Kottayam	3	3395.47	3	3395.47	1	5820.8	0	0	1	5820.8	3	3395.47
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	2	9007.9	2	9007.9	2	3782.9	0	0	2	3782.9	2	9007.9
8	Thrissur	4	10845.9	5	10843.84	1	10217.6	1	10835.6	1	10217.6	5	10843.84
9	Palakkad	3	6604.4	4	6173.85	2	12726.9	1	4882.2	2	12726.9	4	6173.85
10	Malappuram	4	6298.8	4	6298.8	2	8816	0	0	2	8816	4	6298.8
11	Kozhikode	1	7310	1	7310	3	6851.33	0	0	3	6851.33	1	7310
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	3	9520	3	9520	1	8568	0	0	0	0	4	9282
14	Kasargod	4	9996	4	9996	0	0	0	0	0	0	4	9996
State Total		27	8289.56	29	8259.86	21	8067.97	2	12029.2	19	7892.49	31	8355.03

Annual review of crop statistics 2016-17
Table 14(i)

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

STATE: KERALA

YEAR: 2016-17

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	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alapuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
Total		40	40				

Annual review of crop statistics 2016-17
Table 14(ii)

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

STATE: KERALA

YEAR: 2016-17

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	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alapuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
Total		40	40				

Annual review of crop statistics 2016-17

Table 14(iii)

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

STATE: KERALA

YEAR: 2016-17

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 expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	4	1	1316.93	0	0	1	1316.93	3	451	0	0	3	450.71	4	667.27	0	0	4	667.27
2	Kollam	4	0	0	0	0	0	0	0	0	4	533.08	4	533.08	0	0	4	533.08	4	533.08
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	0	0	1	234.64	1	234.64	0	0	3	123.19	3	123.19	0	0	4	151.05	4	151.05
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	1	192.11	1	131.99	2	162.05	0	0	2	590.27	2	590.27	1	192.11	3	437.51	4	376.16
8	Thrissur	4	0	0	2	282.31	2	282.31	2	74.4	0	0	2	74.43	2	74.43	2	282.31	4	178.37
9	Palakkad	4	0	0	4	463.6	4	463.6	0	0	0	0	0	0	0	0	4	463.6	4	463.6
10	Malappuram	4	0	0	0	0	0	0	0	0	4	467.27	4	467.27	0	0	4	467.27	4	467.27
11	Kozhikode	4	0	0	0	0	0	0	0	0	4	243.44	4	243.44	0	0	4	243.44	4	243.44
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	0	0	2	643.07	2	643.07	0	0	2	1784.39	2	1784.39	0	0	4	1213.73	4	1213.73
14	Kasargod	4	2	402.19	1	419.42	3	407.94	1	1588	0	0	1	1588.24	3	797.54	1	419.42	4	703.01
State Total		40	4	578.36	11	408.29	15	453.64	6	515	19	531.27	25	527.33	10	540.27	30	486.18	40	499.7

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Table 14(iv)

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

STATE: KERALA

YEAR: 2016-17

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 expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	4	0	0	0	0	0	0	0	0	4	540.78	4	540.78	0	0	4	540.78	4	540.78
2	Kollam	4	0	0	0	0	0	0	0	0	4	477.17	4	477.17	0	0	4	477.17	4	477.17
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	0	0	0	0	0	0	1	432	3	744.01	4	665.98	1	431.89	3	744.01	4	665.98
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	0	0	0	0	0	0	2	293	2	687.8	4	490.37	2	292.94	2	687.8	4	490.37
8	Thrissur	4	1	331.43	1	546.28	2	438.86	2	781	0	0	2	780.56	3	630.85	1	546.28	4	609.71
9	Palakkad	4	0	0	2	2408.39	2	2408.39	1	647	1	581.48	2	614.47	1	647.47	3	1799.42	4	1511.43
10	Malappuram	4	2	2060.46	1	579.28	3	1566.73	0	0	1	587.34	1	587.34	2	2060.46	2	583.31	4	1321.88
11	Kozhikode	4	0	0	0	0	0	0	0	0	4	968.64	4	968.64	0	0	4	968.64	4	968.64
12	Wayanad	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	1730.49	1	1730.49	1	2660	2	540.41	3	1246.79	1	2659.53	3	937.11	4	1367.71
14	Kasargod	4	0	0	0	0	0	0	0	0	4	856.81	4	856.81	0	0	4	856.81	4	856.81
State Total		40	3	1484.12	5	1534.57	8	1515.65	7	841	25	689.24	32	722.4	10	1033.82	30	830.12	40	881.05

Annual review of crop statistics 2016-17

Table 14(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: PERENNIAL

CROP: PEPPER

STATE SAMPLE

Sl. No	District	Expts. Checked at harvest stage		Expts. Treated with Fertilizers only		Experiments With Fertilizers								Expts. Not Treated with Fertilizers	
		No.	Yield Rate	No.	Yield Rate	No. of Experiments					Rate of Application			No.	Yield Rate
						N	P	K	Exclusive Total	Yield Rate	N	P	K		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	667.27	0	0	0	0	0	0	0	0	0	0	4	667.27
2	Kollam	4	533.08	0	0	0	0	0	0	0	0	0	0	4	533.08
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	151.05	0	0	0	0	0	0	0	0	0	0	4	151.05
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	376.16	0	0	0	0	0	0	0	0	0	0	4	376.16
8	Thrissur	4	178.37	0	0	0	0	0	0	0	0	0	0	4	178.37
9	Palakkad	4	463.6	0	0	0	0	0	0	0	0	0	0	4	463.60
10	Malappuram	4	467.27	0	0	0	0	0	0	0	0	0	0	4	467.27
11	Kozhikode	4	243.44	0	0	0	0	0	0	0	0	0	0	4	243.44
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	1213.7	0	0	0	0	0	0	0	0	0	0	4	1213.73
14	Kasargod	4	703.01	1	419.43	1	1	1	1	419.43	12.51	12.51	12.51	3	797.54
State Total		40	499.7	1	419.43	1	1	1	1	419.43	12.51	12.51	12.51	39	501.76

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Table 14(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: PERENNIAL

CROP: PEPPER

STATE SAMPLE

Sl. No.	District	Expts. Treated with Manure Only		Expts. Treated with Manure		Expts. Not Treated with Manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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	2	942.24	2	942.24	2	392.29	0	0	2	392.29	2	942.24
2	Kollam	4	533.08	4	533.08	0	0	0	0	0	0	4	533.08
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	151.05	4	151.05	0	0	0	0	0	0	4	151.05
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	1	131.99	1	131.99	3	457.55	0	0	3	457.55	1	131.99
8	Thrissur	1	146.65	1	146.65	3	188.94	0	0	3	188.94	1	146.65
9	Palakkad	0	0	0	0	4	463.60	0	0	4	463.60	0	0
10	Malappuram	3	531.13	3	531.13	1	275.71	0	0	1	275.71	3	531.13
11	Kozhikode	2	277.17	2	277.17	2	209.71	0	0	2	209.71	2	277.17
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	0	0	4	1213.73	0	0	4	1213.73	0	0
14	Kasargod	1	560.21	1	560.21	3	750.61	0	0	2	916.21	2	489.82
State Total		18	422.64	18	422.64	22	562.74	0	0	21	569.57	19	422.47

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Table 14(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: PERENNIAL

CROP: PEPPER

CENTRAL SAMPLE

Sl. No	District	Expts. Checked at harvest stage		Expts. Treated with Fertilizers only		Experiments With Fertilizers								Expts. Not Treated with Fertilizers	
		No.	Yield Rate	No.	Yield Rate	No. of Experiments					Rate of Application			No.	Yield Rate
						N	P	K	Exclusive Total	Yield Rate	N	P	K		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	540.78	0	0	0	0	0	0	0	0	0	0	4	540.78
2	Kollam	4	477.17	0	0	0	0	0	0	0	0	0	0	4	477.17
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	665.98	0	0	1	1	1	1	427.49	20	20	20	3	745.48
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	490.37	0	0	0	0	0	0	0	0	0	0	4	490.37
8	Thrissur	4	609.71	0	0	0	0	0	0	0	0	0	0	4	609.71
9	Palakkad	4	1511.4	0	0	0	0	0	0	0	0	0	0	4	1511.43
10	Malappuram	4	1321.9	1	2283.4	1	1	1	1	2283.37	59	59	119	3	1001.39
11	Kozhikode	4	968.64	0	0	0	0	0	0	0	0	0	0	4	968.64
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	1367.7	0	0	0	0	0	0	0	0	0	0	4	1367.71
14	Kasargod	4	856.81	0	0	0	0	0	0	0	0	0	0	4	856.81
State Total		40	881.05	1	2283.4	2	2	2	2	1355.43	39.5	39.5	69.5	38	856.08

Annual review of crop statistics 2016-17

Table 14(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: PERENNIAL

CROP: PEPPER

CENTRAL SAMPLE

Sl. No.	District	Expts. Treated with Manure Only		Expts. Treated with Manure		Expts. Not Treated with Manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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	4	540.78	4	540.78	0	0	0	0	0	0	4	540.78
2	Kollam	3	486.40	3	486.40	1	449.49	0	0	1	449.49	3	486.39
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	1	431.89	2	429.69	2	902.28	1	427.49	2	902.28	2	429.69
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	2	292.94	2	292.94	2	687.80	0	0	2	687.79	2	292.94
8	Thrissur	1	920.24	1	920.24	3	506.20	0	0	3	506.19	1	920.24
9	Palakkad	2	461.22	2	461.22	2	2561.64	0	0	2	2561.64	2	461.22
10	Malappuram	0	0	0	0	4	1321.88	0	0	3	1001.39	1	2283.37
11	Kozhikode	1	448.02	1	448.02	3	1142.18	0	0	3	1142.18	1	448.02
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	1730.49	1	1730.49	3	1246.79	0	0	3	1246.79	1	1730.49
14	Kasargod	2	791.55	2	791.55	2	922.07	0	0	2	922.07	2	791.55
State Total		17	602.61	18	592.88	22	1116.82	1	427.49	21	1061.27	19	681.85

Annual review of crop statistics 2016-17
Table 15(i)

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

STATE: KERALA

YEAR: 2016-17

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	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alapuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
Total		40	40				

Annual review of crop statistics 2016-17
Table 15(ii)

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

STATE: KERALA

YEAR: 2016-17

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	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alapuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
Total		40	40				

Annual review of crop statistics 2016-17

Table 15(iii)

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

STATE: KERALA

YEAR: 2016-17

SEASON: PERENNIAL

CROP: ARECANUT

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 expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	4	0	0	0	0	0	0	0	0	4	957.2	4	957.2	0	0	4	957.2	4	957.2
2	Kollam	4	0	0	0	0	0	0	0	0	4	1082.01	4	1082.01	0	0	4	1082.01	4	1082.01
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	0	0	0	0	0	0	0	0	4	825.05	4	825.05	0	0	4	825.05	4	825.05
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	0	0	0	0	0	0	0	0	4	394.08	4	394.08	0	0	4	394.08	4	394.08
8	Thrissur	4	0	0	0	0	0	0	3	1272	1	851.97	4	1167.19	3	1272	1	851.97	4	1167.19
9	Palakkad	4	0	0	2	652.07	2	652.07	2	816	0	0	2	815.66	2	816	2	652.07	4	733.86
10	Malappuram	4	0	0	0	0	0	0	1	1242	3	1910.87	4	1743.67	1	1242	3	1910.87	4	1743.67
11	Kozhikode	4	0	0	0	0	0	0	0	0	4	768.08	4	768.08	0	0	4	768.08	4	768.08
12	Wayanad	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	2375.56	4	2375.56	0	0	4	2375.56	4	2375.56
14	Kasargod	4	0	0	0	0	0	0	3	4270	1	2127.81	4	3734.76	3	4270	1	2127.81	4	3734.76
State Total		40	0	0	2	652.07	2	652.07	9	2167	29	1183.46	38	1416.36	9	2167	31	1149.18	40	1378.15

Annual review of crop statistics 2016-17

Table 15(iv)

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

STATE: KERALA

YEAR: 2016-17

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 expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha	No. of expts.	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	4	0	0	0	0	0	0	0	0	4	1322.75	4	1322.75	0	0	4	1322.75	4	1322.75
2	Kollam	4	0	0	0	0	0	0	0	0	4	1322.26	4	1322.26	0	0	4	1322.26	4	1322.26
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	0	0	0	0	0	0	0	0	4	950.48	4	950.48	0	0	4	950.48	4	950.48
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	0	0	0	0	0	0	0	0	4	721.6	4	721.6	0	0	4	721.6	4	721.6
8	Thrissur	4	0	0	0	0	0	0	2	665	2	1105.33	4	885.1	2	664.86	2	1105.33	4	885.1
9	Palakkad	4	1	1785.69	0	0	1	1785.69	1	735	2	836.4	3	802.6	2	1260.35	2	836.4	4	1048.37
10	Malappuram	4	0	0	0	0	0	0	2	1042	2	1284.01	4	1162.83	2	1041.66	2	1284.01	4	1162.83
11	Kozhikode	4	0	0	0	0	0	0	0	0	4	1143.67	4	1143.67	0	0	4	1143.67	4	1143.67
12	Wayanad	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	3518.36	1	3518.36	1	2501	2	2461.56	3	2474.71	1	2501.02	3	2813.83	4	2735.62
14	Kasargod	4	0	0	0	0	0	0	4	2355	0	0	4	2355.49	4	2355.49	0	0	4	2355.49
State Total		40	1	1785.69	1	3518.36	2	2652.03	10	1607	28	1186.34	38	1297.07	11	1623.34	29	1266.76	40	1364.82

Annual review of crop statistics 2016-17

Table 15(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: PERENNIAL

CROP: PEPPER

STATE SAMPLE

Sl. No	District	Expts. Checked at harvest stage		Expts. Treated with Fertilizers only		Experiments With Fertilizers								Expts. Not Treated with Fertilizers	
		No.	Yield Rate	No.	Yield Rate	No. of Experiments					Rate of Application			No.	Yield Rate
						N	P	K	Exclusive Total	Yield Rate	N	P	K		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	957.20	0	0	0	0	0	0	0	0	0	0	4	957.20
2	Kollam	4	1082.01	0	0	0	0	0	0	0	0	0	0	4	1082.01
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	825.05	0	0	0	0	0	0	0	0	0	0	4	825.05
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	394.08	0	0	0	0	0	0	0	0	0	0	4	394.08
8	Thrissur	4	1167.20	0	0	0	0	0	0	0	0	0	0	4	1167.20
9	Palakkad	4	733.86	0	0	0	0	0	0	0	0	0	0	4	733.86
10	Malappuram	4	1743.67	0	0	0	0	0	0	0	0	0	0	4	1743.67
11	Kozhikode	4	768.08	0	0	0	0	0	0	0	0	0	0	4	768.08
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	2375.56	0	0	0	0	0	0	0	0	0	0	4	2375.56
14	Kasargod	4	3734.76	0	0	0	0	0	0	0	0	0	0	4	3734.76
State Total		40	1378.15	0	0	0	0	0	0	0	0	0	0	40	1378.15

Annual review of crop statistics 2016-17

Table 15(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: PERENNIAL

CROP: PEPPER

STATE SAMPLE

Sl. No.	District	Expts. Treated with Manure Only		Expts. Treated with Manure		Expts. Not Treated with Manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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	0	0	4	957.20	0	0	4	957.20	0	0
2	Kollam	2	590	2	590	2	1574.04	0	0	2	1574.04	2	590
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	0	0	0	0	4	825.05	0	0	4	825.05	0	0
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	0	0	0	0	4	394.08	0	0	4	394.08	0	0
8	Thrissur	2	1342.04	2	1342.04	2	992.35	0	0	2	992.35	2	1342.04
9	Palakkad	2	815.66	2	815.66	2	652.07	0	0	2	279.95	2	815.66
10	Malappuram	2	1200.20	2	1200.20	2	9148.87	0	0	2	2287.22	2	1200.20
11	Kozhikode	2	815.63	2	815.63	2	720.54	0	0	2	720.54	2	815.63
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	2325.99	2	2325.99	2	2425.14	0	0	2	2425.14	2	2325.99
14	Kasargod	3	4270.41	3	4270.41	1	2127.81	0	0	1	2127.81	3	4270.41
State Total		15	1799.34	15	1799.34	25	1674.36	0	0	25	1095.66	15	1799.34

Annual review of crop statistics 2016-17

Table 15 (vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: PERENNIAL

CROP: PEPPER

CENTRAL SAMPLE

Sl. No	District	Expts. Checked at harvest stage		Expts. Treated with Fertilizers only		Experiments With Fertilizers								Expts. Not Treated with Fertilizers	
		No.	Yield Rate	No.	Yield Rate	No. of Experiments					Rate of Application			No.	Yield Rate
						N	P	K	Exclusive Total	Yield Rate	N	P	K		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	1322.75	0	0	0	0	0	0	0	0	0	0	4	1322.75
2	Kollam	4	1322.26	0	0	0	0	0	0	0	0	0	0	4	1322.26
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	950.48	0	0	0	0	0	0	0	0	0	0	4	950.48
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	721.60	0	0	0	0	0	0	0	0	0	0	4	721.60
8	Thrissur	4	885.10	0	0	0	0	0	0	0	0	0	0	4	885.10
9	Palakkad	4	1048.36	0	0	1	1	0	1	735.01	267	69	0	3	1152.83
10	Malappuram	4	1162.83	0	0	0	0	0	0	0	0	0	0	4	1162.83
11	Kozhikode	4	1143.67	0	0	0	0	0	0	0	0	0	0	4	1143.67
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	2735.62	0	0	0	0	0	0	0	0	0	0	4	2735.62
14	Kasargod	4	2355.49	0	0	0	0	0	0	0	0	0	0	4	2355.49
State Total		40	1364.82	0	0	1	1	0	1	735.01	267	69	0	39	1380.97

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Table 15(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2016-17

SEASON: PERENNIAL

CROP: PEPPER

CENTRAL SAMPLE

Sl. No.	District	Expts. Treated with Manure Only		Expts. Treated with Manure		Expts. Not Treated with Manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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	2	938.18	2	938.18	2	1707.32	0	0	2	1707.32	2	938.18
2	Kollam	0	0	0	0	4	1322.26	0	0	4	1322.26	0	0
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alapuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	0	0	0	0	4	950.48	0	0	4	950.48	0	0
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	1	1343.88	1	1343.88	3	514.17	0	0	3	514.17	1	1343.88
8	Thrissur	3	754.05	3	754.05	1	1278.24	0	0	1	1278.24	3	754.05
9	Palakkad	1	412.44	2	573.73	2	1523.02	1	735.01	2	1523.02	2	573.73
10	Malappuram	2	756.19	2	756.19	2	1569.48	0	0	2	1569.48	2	756.19
11	Kozhikode	1	980.44	1	980.44	3	1198.08	0	0	3	1198.08	1	980.44
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	2969.45	2	2969.45	2	2501.80	0	0	2	2501.80	2	2969.45
14	Kasargod	4	2355.49	4	2355.49	0	0	0	0	0	0	4	2355.49
State Total		16	1484.28	17	1440.21	23	1309.1	1	735.01	23	1309.1	17	1440.21

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

State: Kerala

Year: 2016-17

Crop	Agency	Item of equipment	No of experiments supervised (harvest & post harvest) for which equipment was													
			Supplied						Not Supplied					Informati on 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	16	
Paddy (Autumn)	S	Tape	100	0	0	0	0	100	0	0	0	0	0	0	0	100
		Balance	98	0	0	0	2	100	0	0	0	0	0	0	0	100
		Weight	78	0	0	0	22	100	0	0	0	0	0	0	0	100
		Pegs	92	0	0	0	0	92	8	0	0	0	8	0	0	100
	C	Tape	93	5	0	0	2	100	0	0	0	0	0	0	0	100
		Balance	77	18	0	0	2	97	0	0	0	1	1	0	0	98
		Weight	46	14	0	0	7	67	1	0	0	26	27	0	0	94
		Pegs	36	11	15	0	2	64	20	16	0	0	36	0	0	100
Paddy (Winter)	S	Tape	99	0	0	0	0	99	0	0	0	0	0	0	0	99
		Balance	99	0	0	0	0	99	0	0	0	0	0	0	0	99
		Weight	77	0	0	0	12	89	0	0	0	8	8	0	0	97
		Pegs	96	0	0	0	0	96	3	0	0	0	3	0	0	99
	C	Tape	97	2	0	0	0	99	0	0	0	0	0	0	0	99
		Balance	81	12	0	0	0	93	0	0	0	2	2	0	0	95
		Weight	47	10	0	0	9	66	0	0	0	20	20	0	0	86
		Pegs	32	13	17	0	0	62	18	19	0	0	37	0	0	99
Paddy (Summer)	S	Tape	99	0	0	0	0	99	0	0	0	0	0	0	0	99
		Balance	97	0	0	0	2	99	0	0	0	0	0	0	0	99
		Weight	64	0	0	0	31	95	0	0	0	1	1	0	0	96
		Pegs	90	1	0	0	0	91	8	0	0	0	8	0	0	99
	C	Tape	96	2	0	0	0	98	0	0	0	0	0	0	0	98
		Balance	89	8	1	0	0	98	0	0	0	0	0	0	0	98
		Weight	53	3	1	0	4	61	0	0	0	29	29	0	0	90
		Pegs	47	10	12	0	0	69	13	16	0	0	29	0	0	98

Annual review of crop statistics 2016-17
Table 16 (ii)
State Wise Position of Supply and Use of Equipments

State: Kerala

Year: 2016-17

Crop	Agency	Item of equipment	No of experiments supervised (harvest & post harvest) for which equipment 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	16	
Tapioca	S	Tape	40	0	0	0	0	40	0	0	0	0	0	0	40	
		Balance	38	0	0	0	2	40	0	0	0	0	0	0	40	
		Weight	31	0	0	0	8	39	0	0	0	1	1	0	40	
		Pegs	36	0	0	0	4	40	0	0	0	0	0	0	40	
	C	Tape	36	2	0	0	0	38	2	0	0	0	0	2	0	40
		Balance	31	9	0	0	0	40	0	0	0	0	0	0	0	40
		Weight	22	4	0	0	0	1	27	0	0	0	9	9	0	36
		Pegs	12	7	2	0	1	22	9	9	0	0	18	0	40	
Banana	S	Tape	0	0	0	0	50	50	0	0	0	0	0	0	50	
		Balance	49	0	0	0	1	50	0	0	0	0	0	0	50	
		Weight	35	0	0	0	13	48	0	0	0	2	2	0	50	
		Pegs	0	0	0	0	50	50	0	0	0	0	0	0	50	
	C	Tape	0	0	0	0	41	41	0	0	0	9	9	0	50	
		Balance	42	8	0	0	0	50	0	0	0	0	0	0	50	
		Weight	24	8	0	0	2	34	0	0	0	13	13	0	47	
		Pegs	0	0	0	0	34	34	0	0	0	16	16	0	50	
Coconut	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	42	42	0	0	0	8	8	0	50	
		Pegs	0	0	0	0	50	50	0	0	0	0	0	0	50	
	C	Tape	0	0	0	0	46	46	0	0	0	4	4	0	50	
		Balance	0	0	0	0	48	48	0	0	0	2	2	0	50	
		Weight	0	0	0	0	36	36	0	0	0	12	12	0	48	
		Pegs	0	0	0	0	38	38	0	0	0	12	12	0	50	

Annual review of crop statistics 2016-17
Table 16 (ii)

State Wise Position Of Supply and Use of Equipments

State: Kerala

Year: 2016-17

Crop	Agency	Item of equipment	No of experiments supervised (harvest & post harvest) for which equipment was													
			Supplied						Not Supplied						Informati on 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						
Pepper	S	Tape	1	0	0	0	39	40	0	0	0	0	0	0	40	
		Balance	40	0	0	0	0	40	0	0	0	0	0	0	40	
		Weight	24	0	0	0	12	36	0	0	0	4	4	0	40	
		Pegs	0	0	0	0	40	40	0	0	0	0	0	0	40	
	C	Tape	2	0	0	0	38	40	0	0	0	0	0	0	40	
		Balance	32	4	0	0	0	36	4	0	0	0	4	0	40	
		Weight	20	4	0	0	4	28	4	0	0	4	8	0	36	
		Pegs	0	0	0	0	32	32	0	0	4	4	8	0	40	
Arecanut	S	Tape	0	0	0	0	40	40	0	0	0	0	0	0	40	
		Balance	40	0	0	0	0	40	0	0	0	0	0	0	40	
		Weight	20	0	0	0	16	36	0	0	0	4	4	0	40	
		Pegs	0	0	0	0	40	40	0	0	0	0	0	0	40	
	C	Tape	3	4	0	0	26	33	0	0	0	7	7	0	40	
		Balance	36	0	0	0	4	40	0	0	0	0	0	0	40	
		Weight	20	0	0	0	8	28	0	0	0	8	8	0	36	
		Pegs	0	0	0	0	24	24	0	1	0	15	16	0	40	

Annual review of crop statistics 2016-17

Table 17 (i)

Yield Rates (Kg/Ha) of Rice Under GCES and ICS 2016-17

State: Kerala

Year: 2016-17

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	2877	2805.90	3882.38	1414	1558.67	2005.77	1232	2624.48	1431.41
2	Kollam	2791	1306.99	2304.64	1665	927.01	1895.32	773	2200.89	2119.09
3	Pathanamthitta	1605	2212.18	2356.92	2975	1782.05	2123.63	3479	2397.98	4012.74
4	Alapuzha	3673	2405.47	1952.03	2885	1339.78	1531.53	2976	2193.89	1640.88
5	Kottayam	3180	3211.99	3452.4	2682	2511.15	2833.76	2710	3640.45	2762.84
6	Idukki	2225	2369.37	2690.08	2377	2616.44	2446.41	2143	2500.51	2315.29
7	Ernakulam	1911	2238.33	1397.58	2347	2729.19	2544.26	2933	2996.83	1672.91
8	Thrissur	2236	1046.27	2125.13	2410	2363.81	2473.40	3436	3638.70	3185.43
9	Palakkad	2890	2761.43	2647.47	1379	1990.97	2405.93	1932	1887.98	1559.73
10	Malappuram	2335	2845.01	1477.24	1933	2352.93	2135.71	3688	3119.48	3352.49
11	Kozhikode	1931	2228.12	1259.29	1077	726.23	1016.42	2803	2098.58	1817.96
12	Wayanad	0	0	0	2653	1970.79	2307.21	2327	1990.18	3239.19
13	Kannur	2656	3106.57	2969.69	1760	2610.88	2234.61	2643	1706.96	1955.97
14	Kasargod	2524	2737.04	2719.59	1884	2116.57	1930.18	2408	2883.65	1816.30
State Total		2954	2428.59	2322	1957	1972.26	2133.83	3006	2590.67	2321.42

Annual review of crop statistics 2016-17
Table 17 (ii)

Yield Rates (Kg/Ha) of Important Crops Under GCES and ICS 2016-17

State: Kerala

Year: 2016-17

Sl.No.	District	Tapioca			Banana		
		GCES	ICS		GCES	ICS	
			State Sample	Central Sample		State Sample	Central Sample
1	Thiruvananthapuram	35558	73125	22688	7142	11033.33	9566.67
2	Kollam	30570	28562.5	32688	7103	15266.67	16116.67
3	Pathanamthitta	45285	0	0	7961	0	0
4	Alapuzha	39616	0	0	7212	10850	12308.33
5	Kottayam	40100	26250	33625	7909	12416.67	16900
6	Idukki	42565	0	0	8400	0	0
7	Ernakulam	42455	41562.5	45313	9263	12566.67	13716.67
8	Thrissur	40531	46500	17500	8617	18788.89	16017.78
9	Palakkad	29090	24562.5	49344	9161	10766.67	15427.78
10	Malappuram	35185	19437.5	21563	8225	14033.33	15627.78
11	Kozhikode	28523	26250	14375	9262	14041.67	17000
12	Wayanad	35745	0	0	8341	0	0
13	Kannur	40368	34687.5	41250	9071	20100	16900
14	Kasargod	30862	31875	34688	10539	18383.33	17766.67
State Total		36842	35281.25	31303	8561	14403.33	15270.8

Annual review of crop statistics 2016-17
Table 17 (ii)

Yield Rates (Kg/Ha) of Important Crops Under GCES and ICS 2016-17

State: Kerala

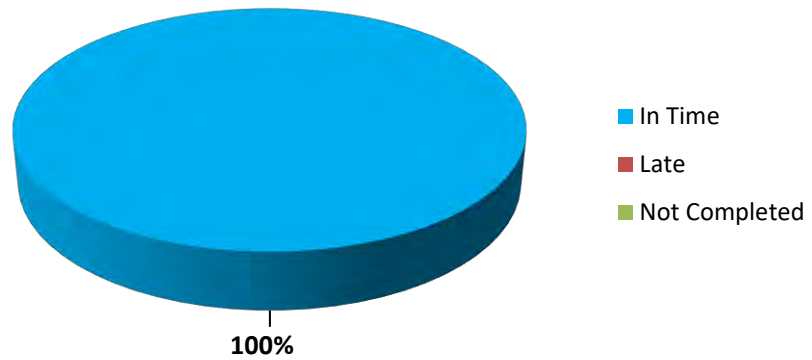
Year: 2016-17

Sl.No.	District	Coconut			Pepper			Arecanut		
		GCES	ICS		GCES	ICS		GCES	ICS	
			State Sample	Central Sample		State Sample	Central Sample		State Sample	Central Sample
1	Thiruvananthapuram	8131	11384.05	9307	389	667.27	540.78	597	957.2	1322.75
2	Kollam	6950	10563	8988	282	533.08	477.17	608	1082.01	1322.26
3	Pathanamthitta	5606	0	0	319	0	0	542	0	0
4	Alapuzha	5257	10759.8	7951.35	223	0	0	331	0	0
5	Kottayam	4959	7918	4001.8	312	151.05	665.98	709	825.05	950.48
6	Idukki	3908	0	0	428	0	0	978	0	0
7	Ernakulam	4318	4347.2	6395.4	250	376.16	490.37	764	394.08	721.6
8	Thrissur	6211	6749.93	10739.47	252	178.37	609.71	797	1167.19	885.1
9	Palakkad	6667	6098.8	8358.2	402	463.6	1511.43	826	733.86	1048.37
10	Malappuram	8538	9983.73	7137.87	221	467.27	1321.88	899	1743.67	1162.83
11	Kozhikode	7030	8739.75	6966	282	243.44	968.64	720	768.08	1143.67
12	Wayanad	7072	0	0	391	0	0	599	0	0
13	Kannur	5974	7045.5	9282	557	1213.73	1367.71	1329	2375.56	2735.62
14	Kasargod	9242	7741.8	9996	596	703.01	856.81	2660	3734.76	2355.49
State Total		6889	8219.82	8179.27	400	499.7	881.05	1196	1378.15	1364.82

CHART 1

COMPLETION OF GIRDAWARI 2016-17 AUTUMN

STATE SAMPLE



CENTRAL SAMPLE

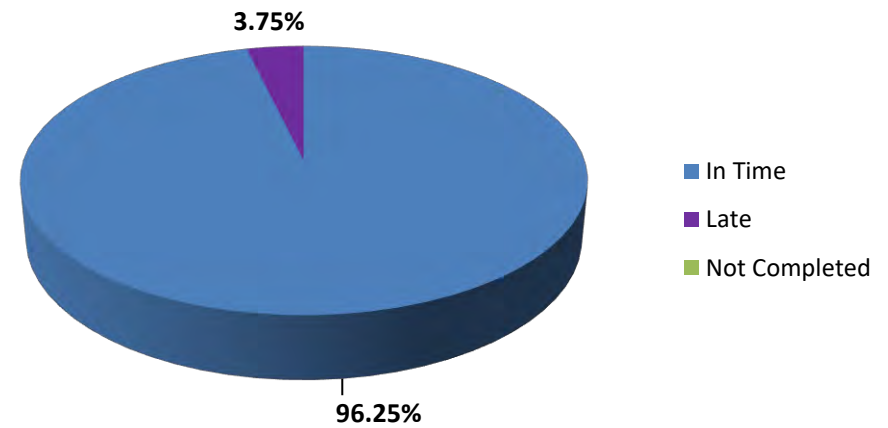
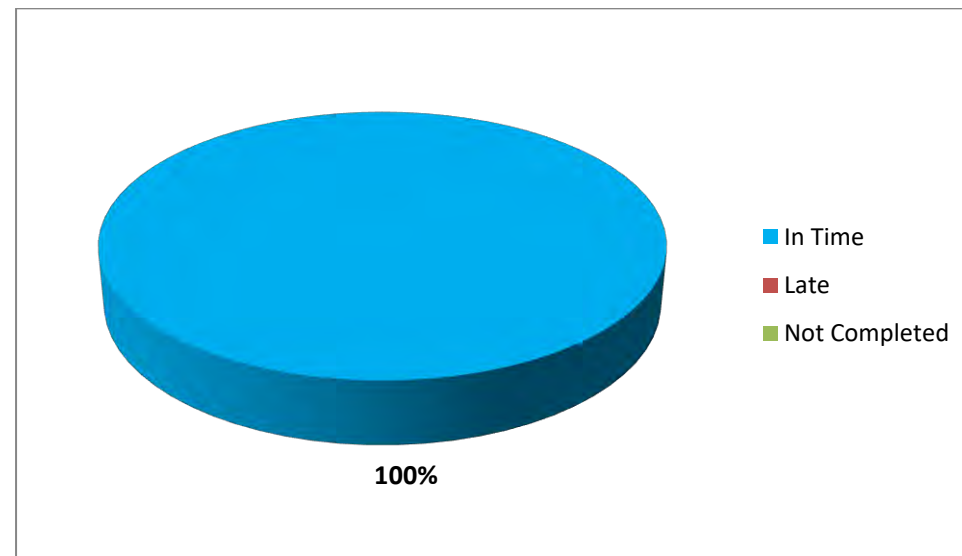


CHART 2
COMPLETION OF GIRDAWARI 2016-17
WINTER

STATE SAMPLE



CENTRAL SAMPLE

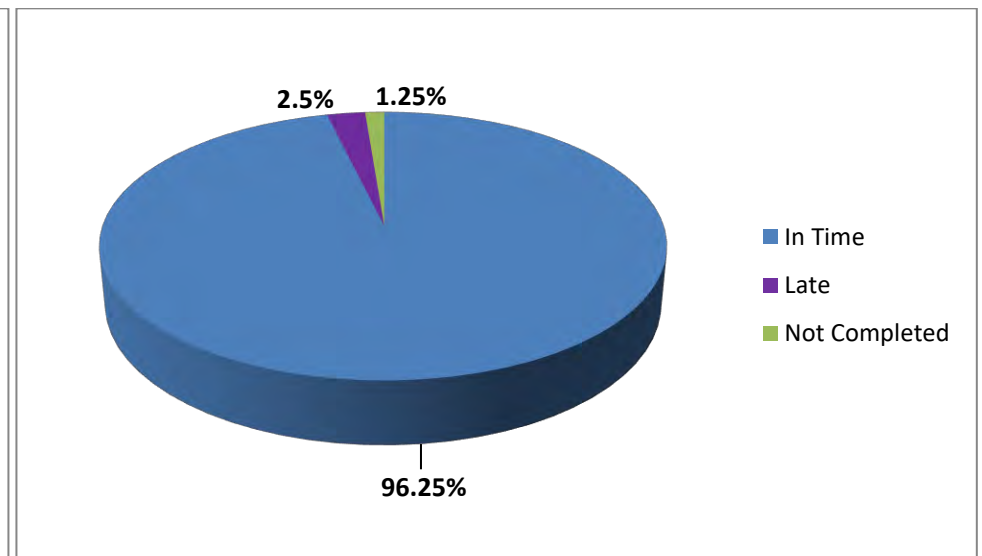
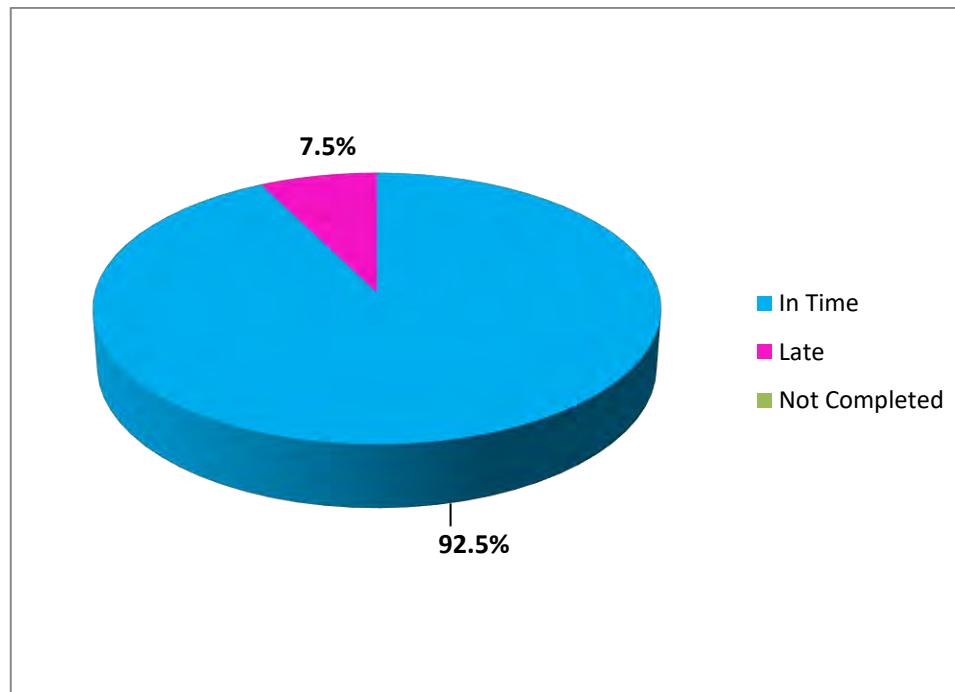


CHART-3

COMPLETION OF GIRDAWARI 2016-17

SUMMER

STATE SAMPLE



CENTRAL SAMPLE

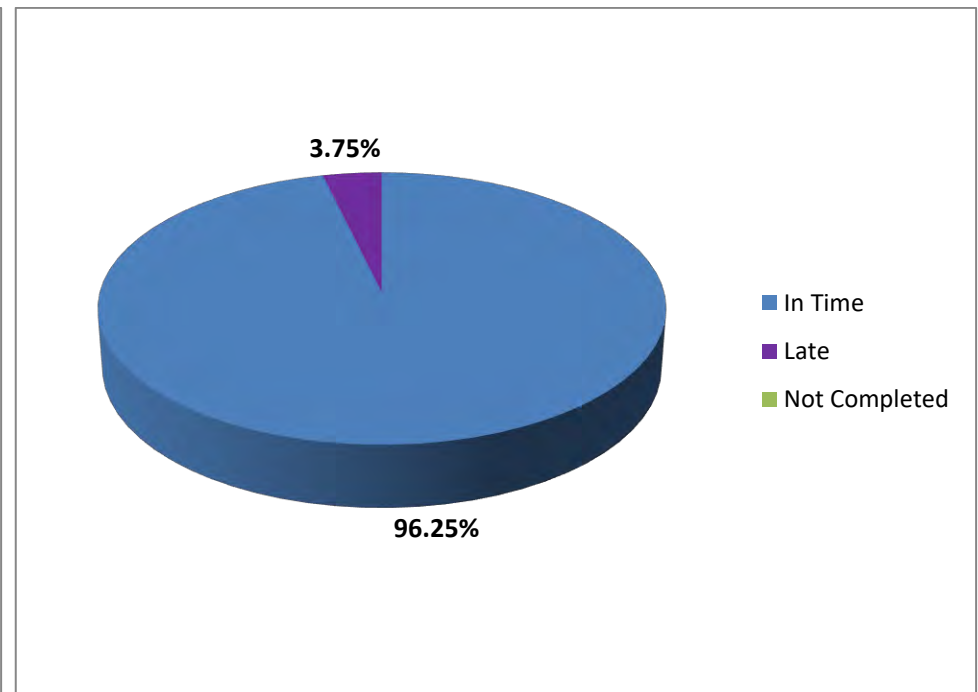
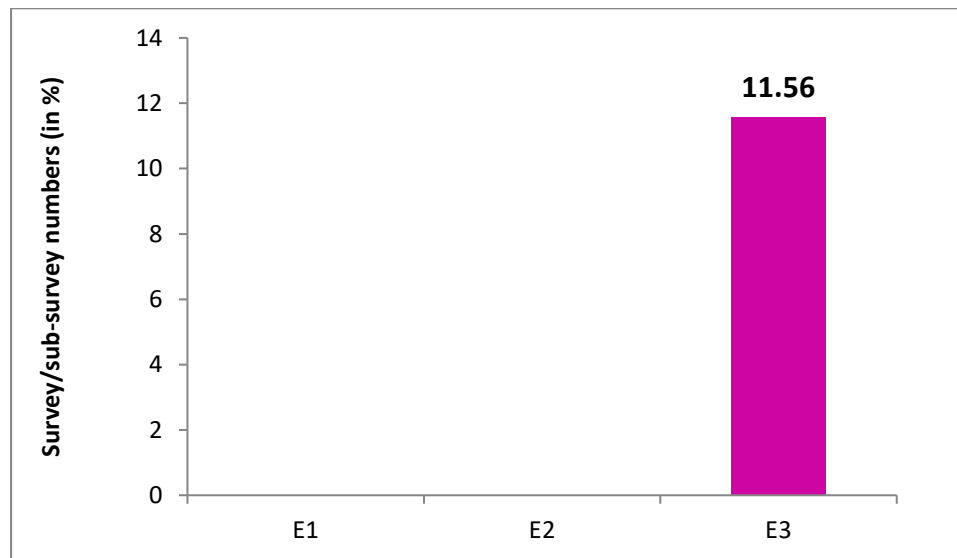


CHART- 4

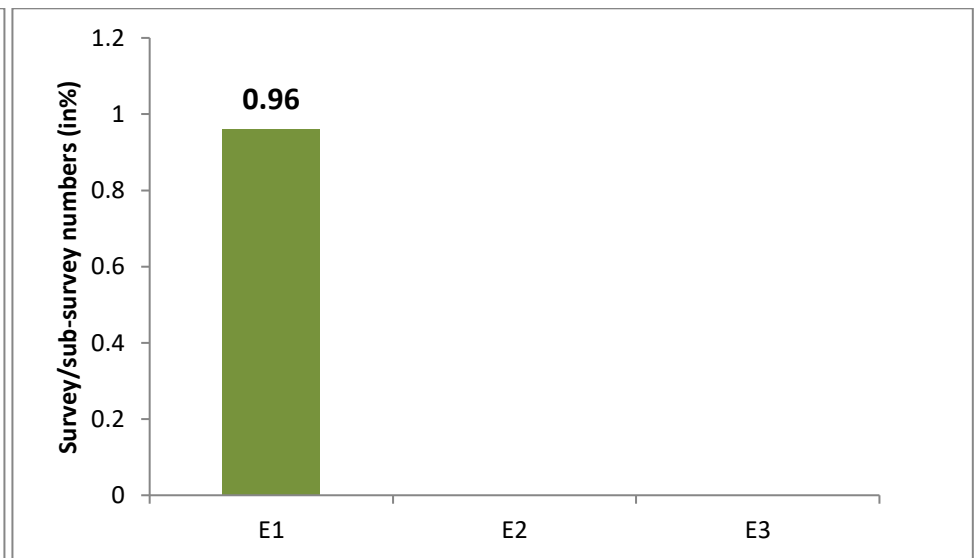
ERRORS IN RECORDING CROPS AND CROP AREAS 2016-2017

AUTUMN

STATE SAMPLE



CENTRAL SAMPLE



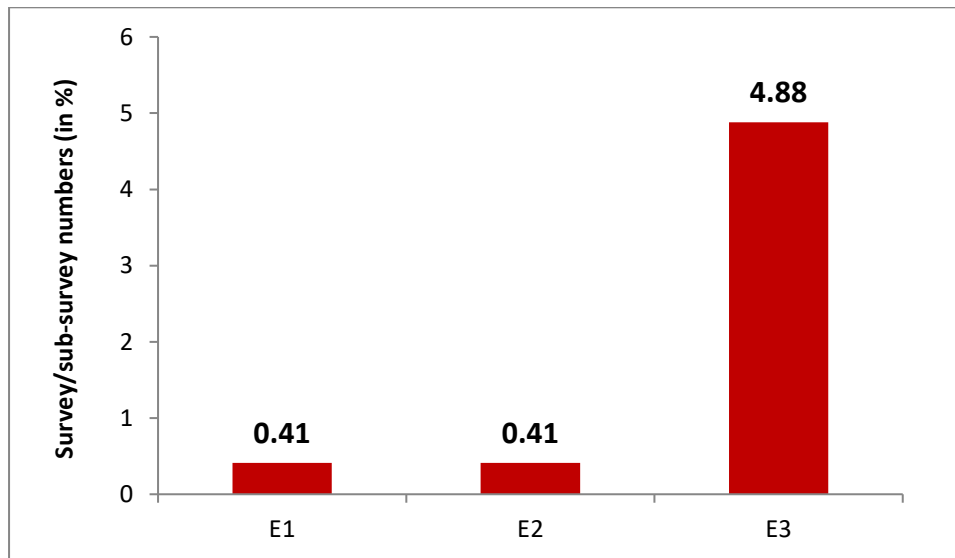
E1-Crop reported by supervisor but not reported by primary worker
E2- Crop reported by primary worker but not reported by supervisor
E3- Crop area reported by supervisor & primary worker differed.

CHART- 5

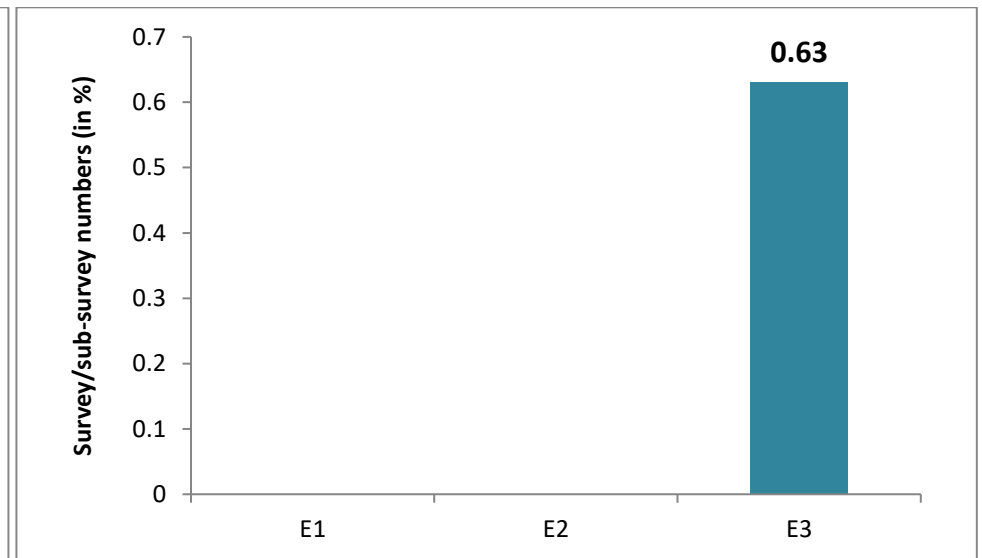
ERRORS IN RECORDING CROPS AND CROP AREAS 2016-2017

WINTER

STATE SAMPLE



CENTRAL SAMPLE



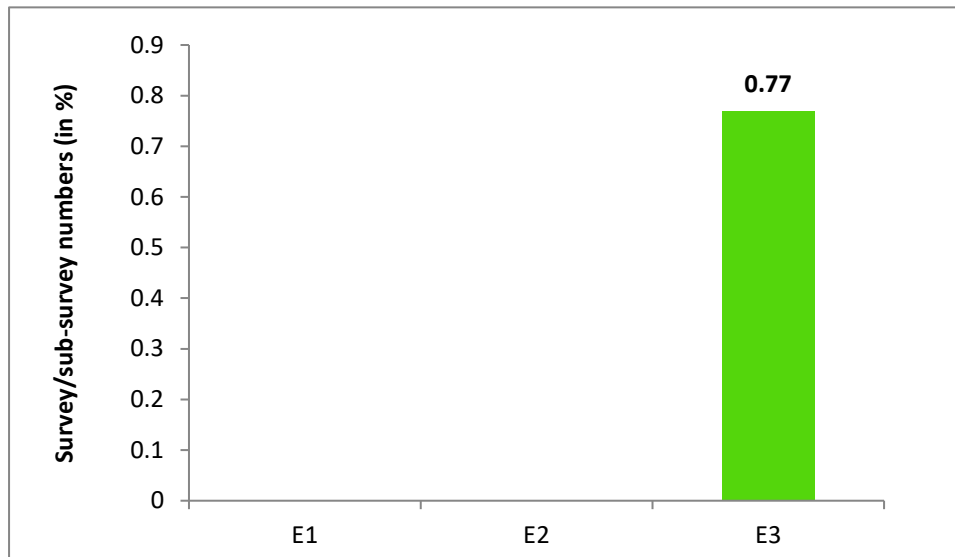
E1-Crop reported by supervisor but not reported by primary worker
E2- Crop reported by primary worker but not reported by supervisor
E3- Crop area reported by supervisor & primary worker differed.

CHART -6

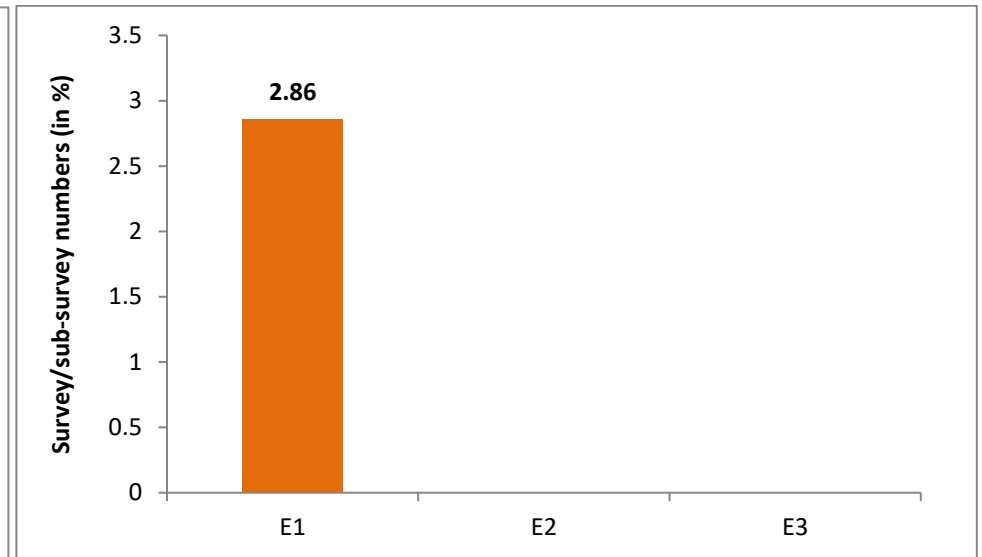
ERRORS IN RECORDING CROPS AND CROP AREAS 2016-2017

SUMMER

STATE SAMPLE



CENTRAL SAMPLE



E1-Crop reported by supervisor but not reported by primary worker
E2- Crop reported by primary worker but not reported by supervisor
E3- Crop area reported by supervisor & primary worker differed.

CHART - 7

TREND OF YIELD RATES OF RICE OF ICS AND GCES 2012-13 to 2016-17 AUTUMN

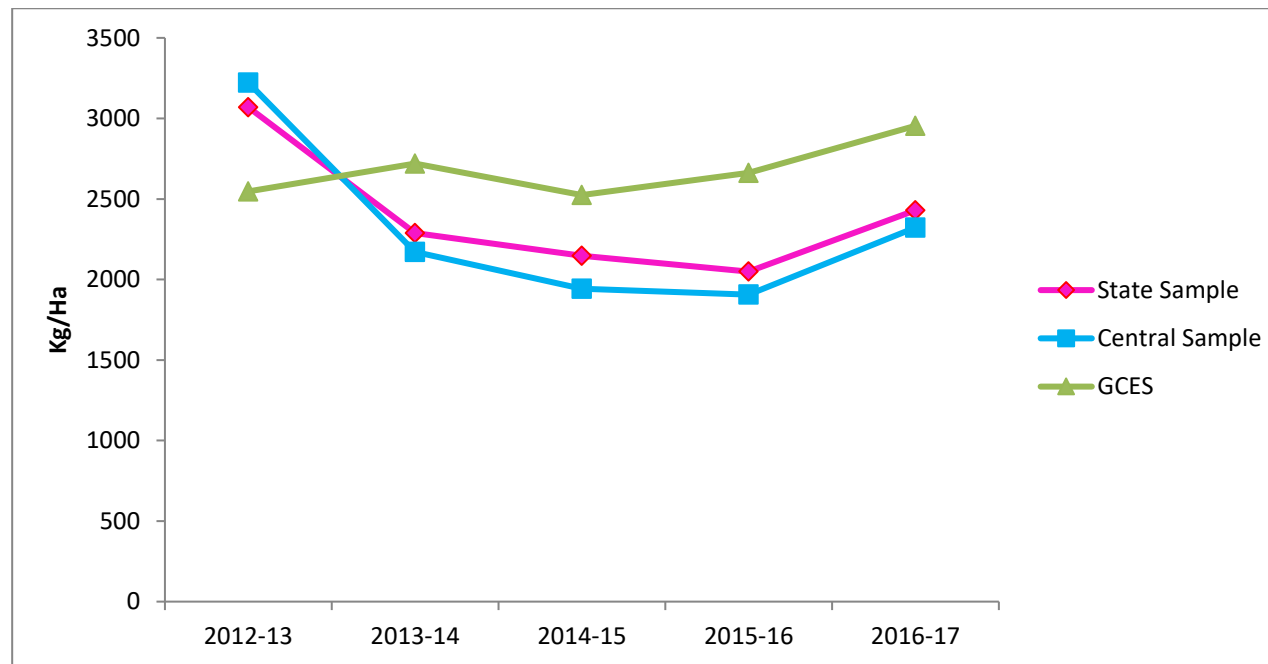


CHART - 8

TREND OF YIELD RATES OF RICE OF ICS AND GCES

2012-13 to 2016-17

WINTER

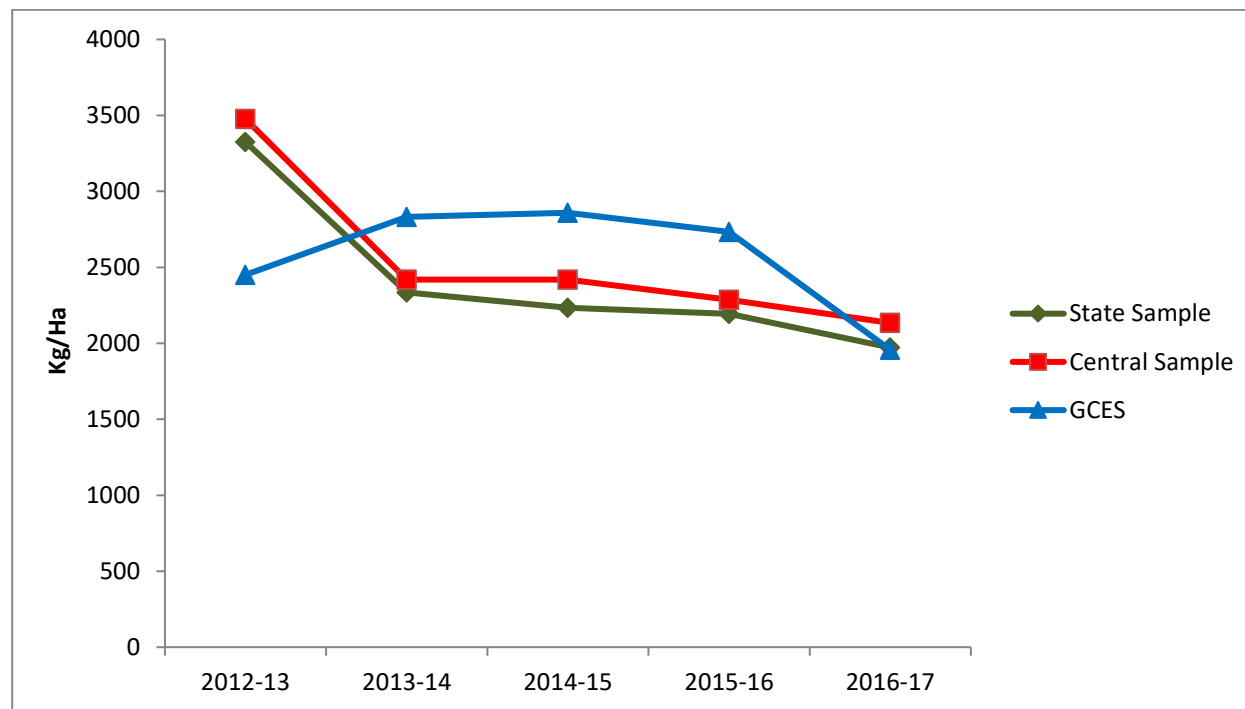


CHART - 9

TREND OF YIELD RATES OF RICE OF ICS AND GCES

2012-13 to 2016-17

SUMMER

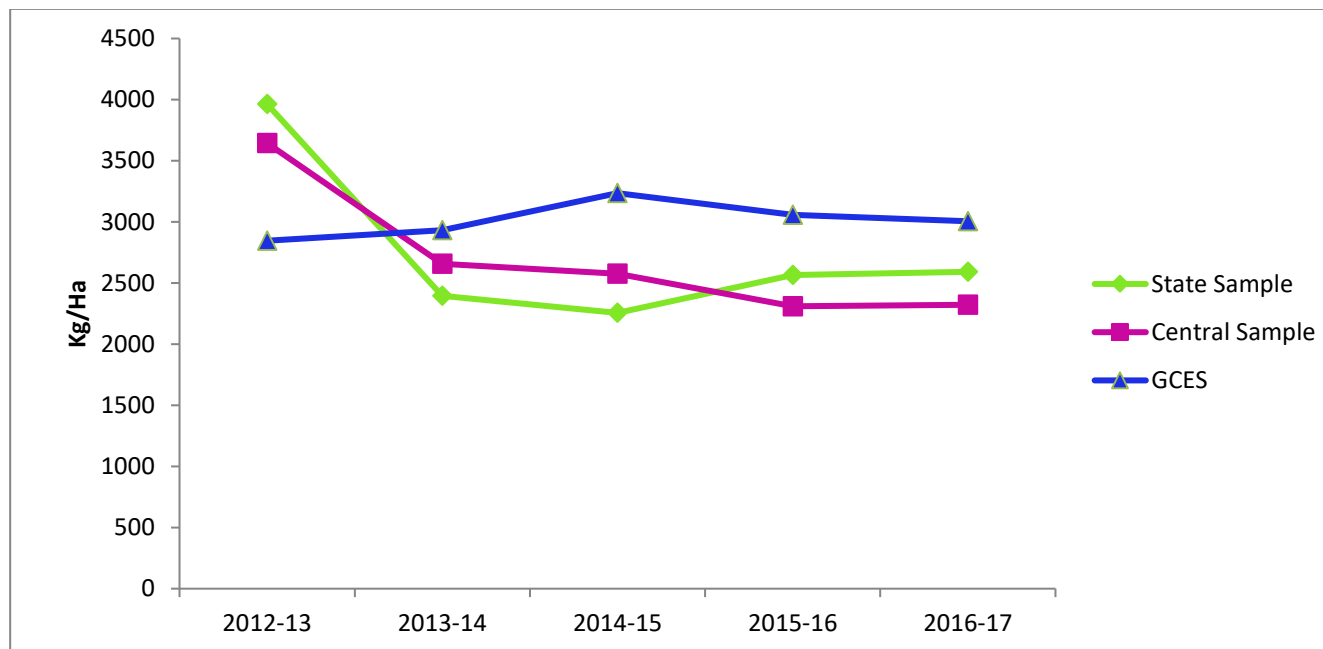


CHART - 10

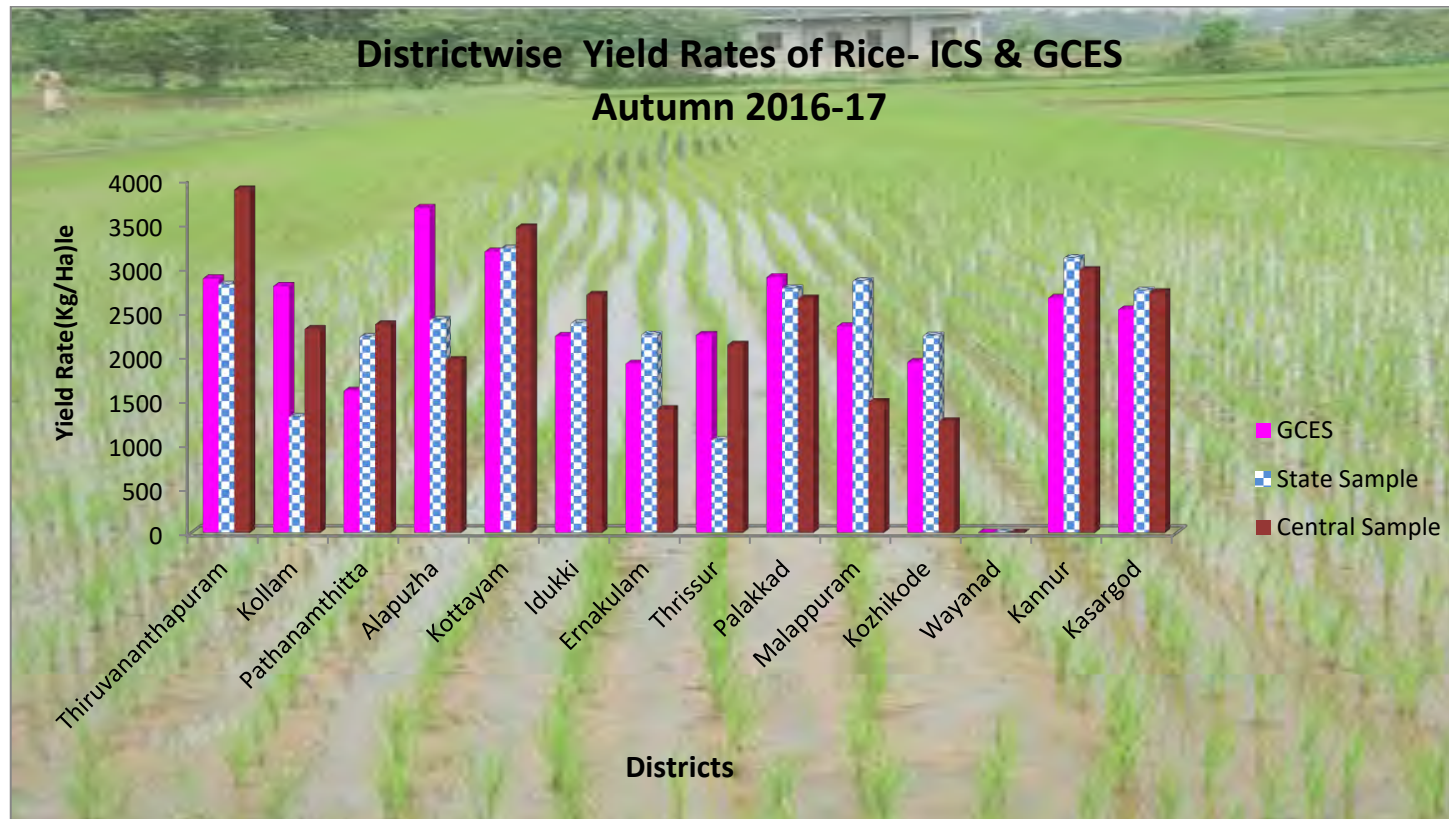


CHART-11

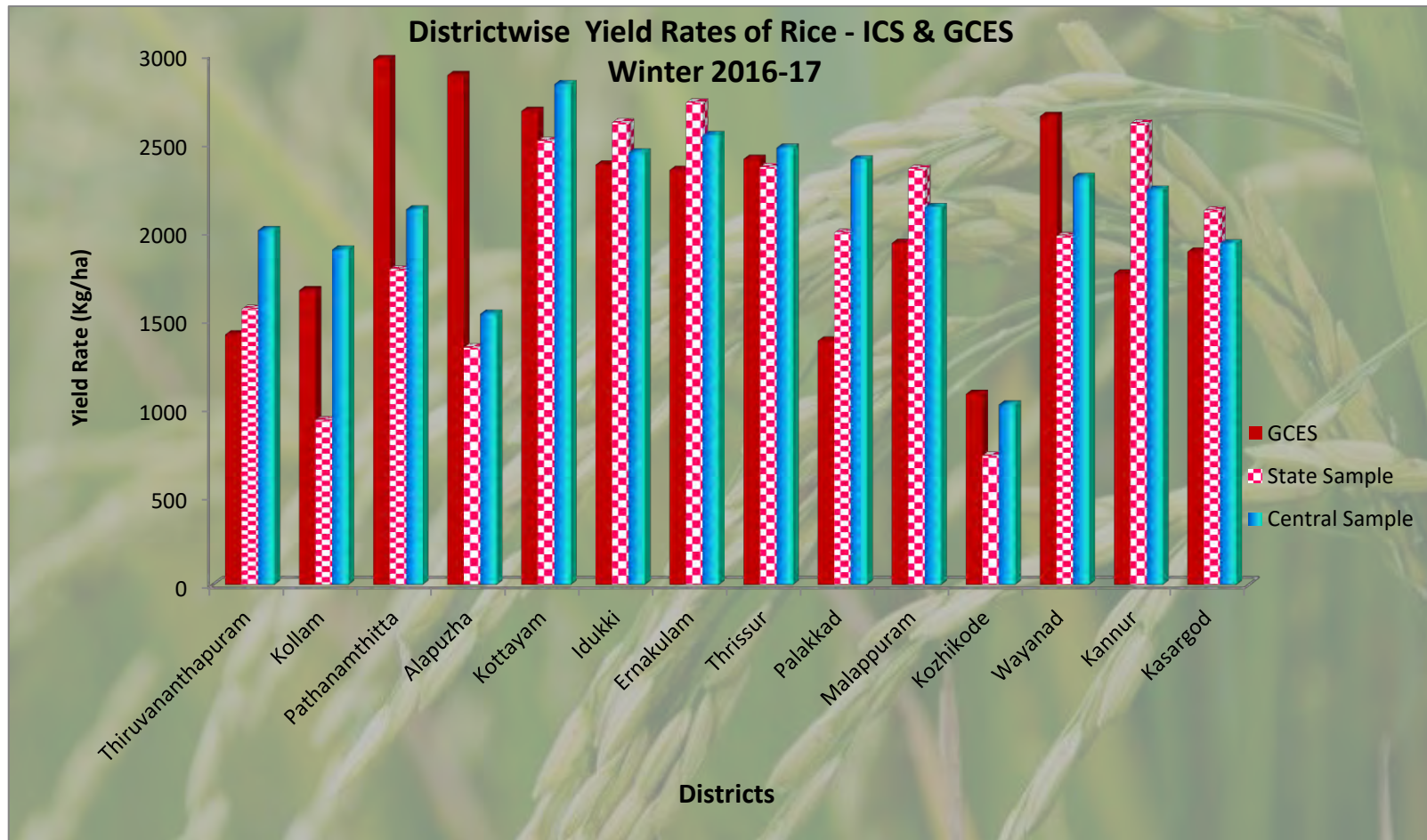


CHART-12

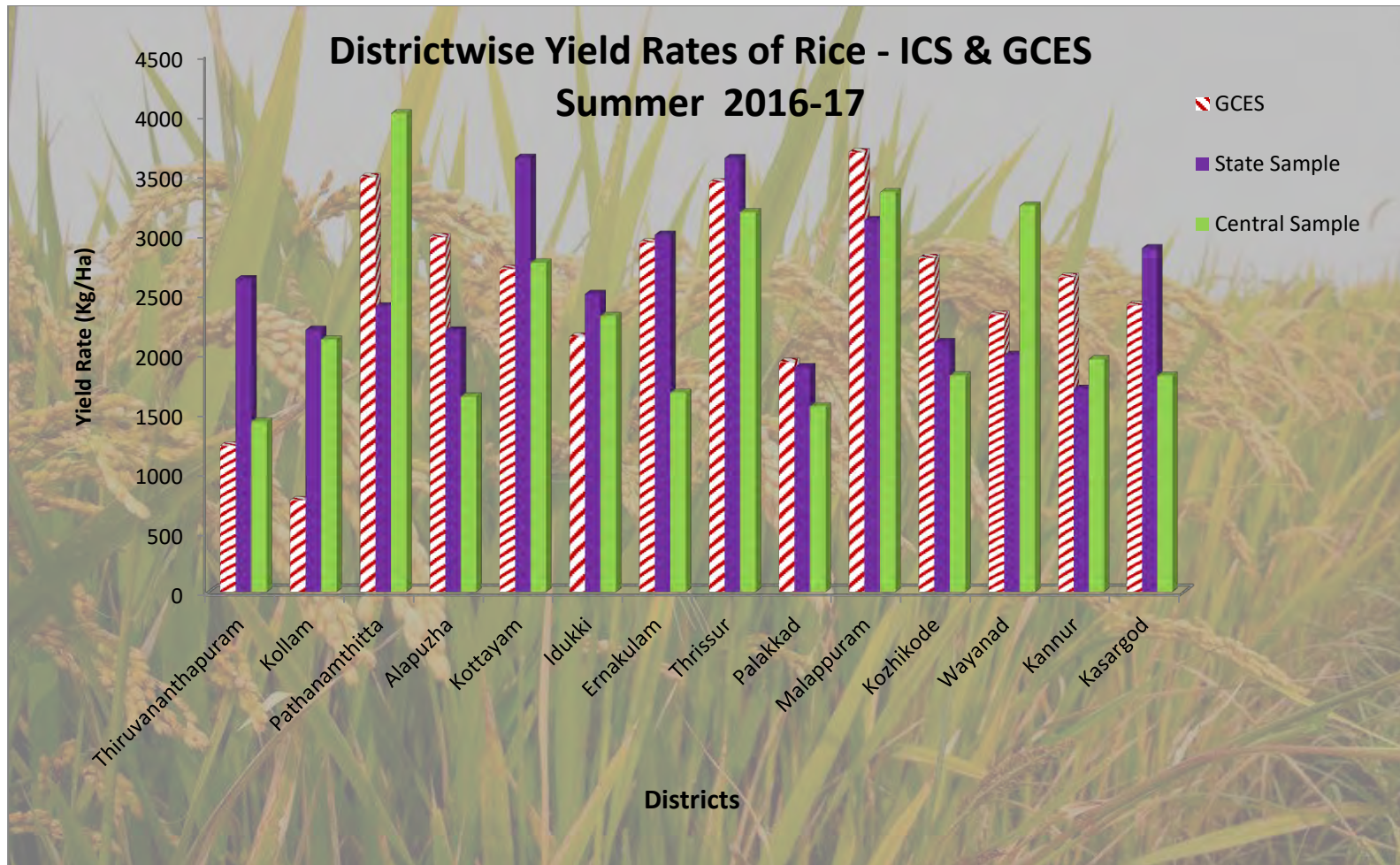


CHART – 13

SEASONWISE YIELD RATE FOR RICE UNDER GCES & ICS 2016-17

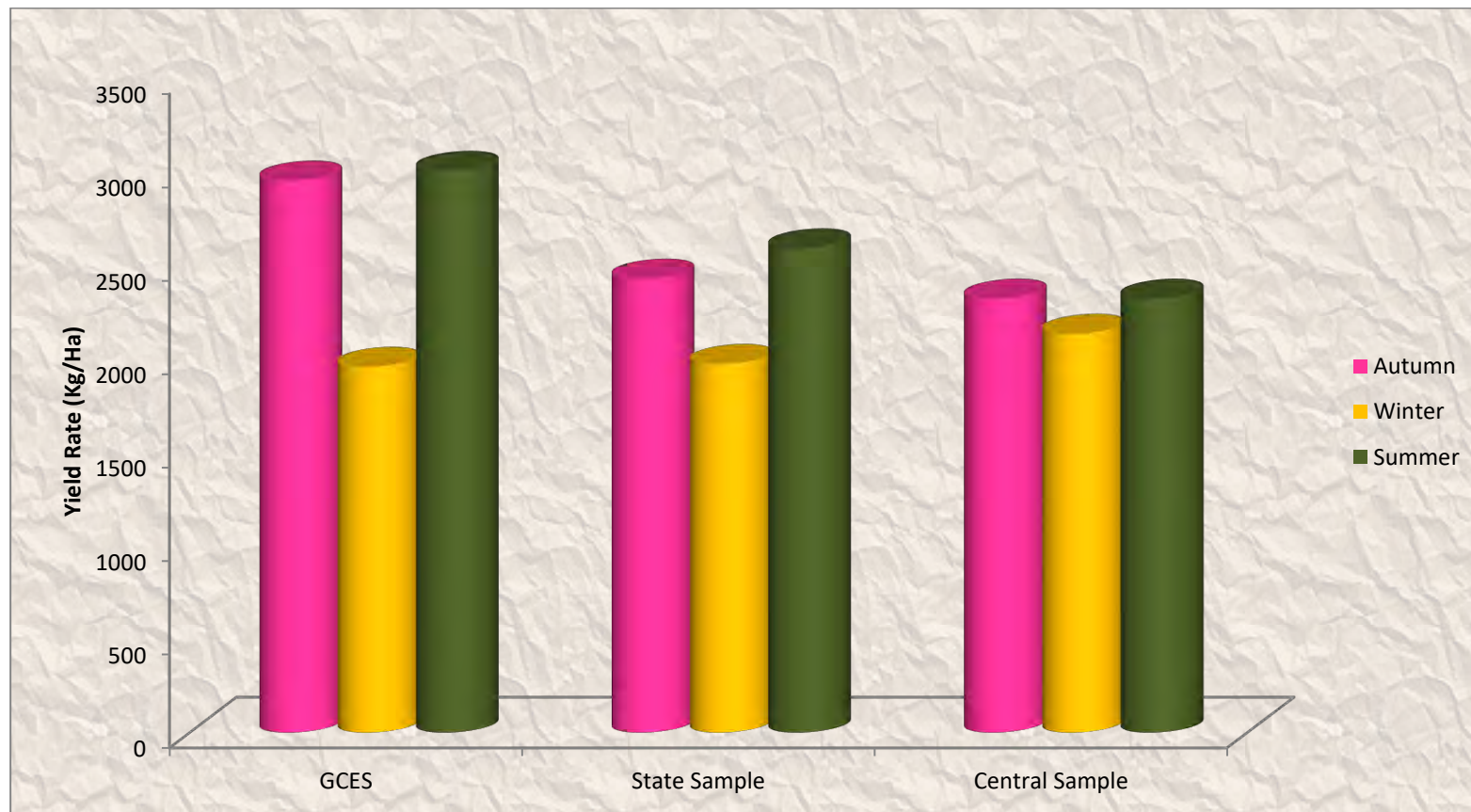


CHART -14

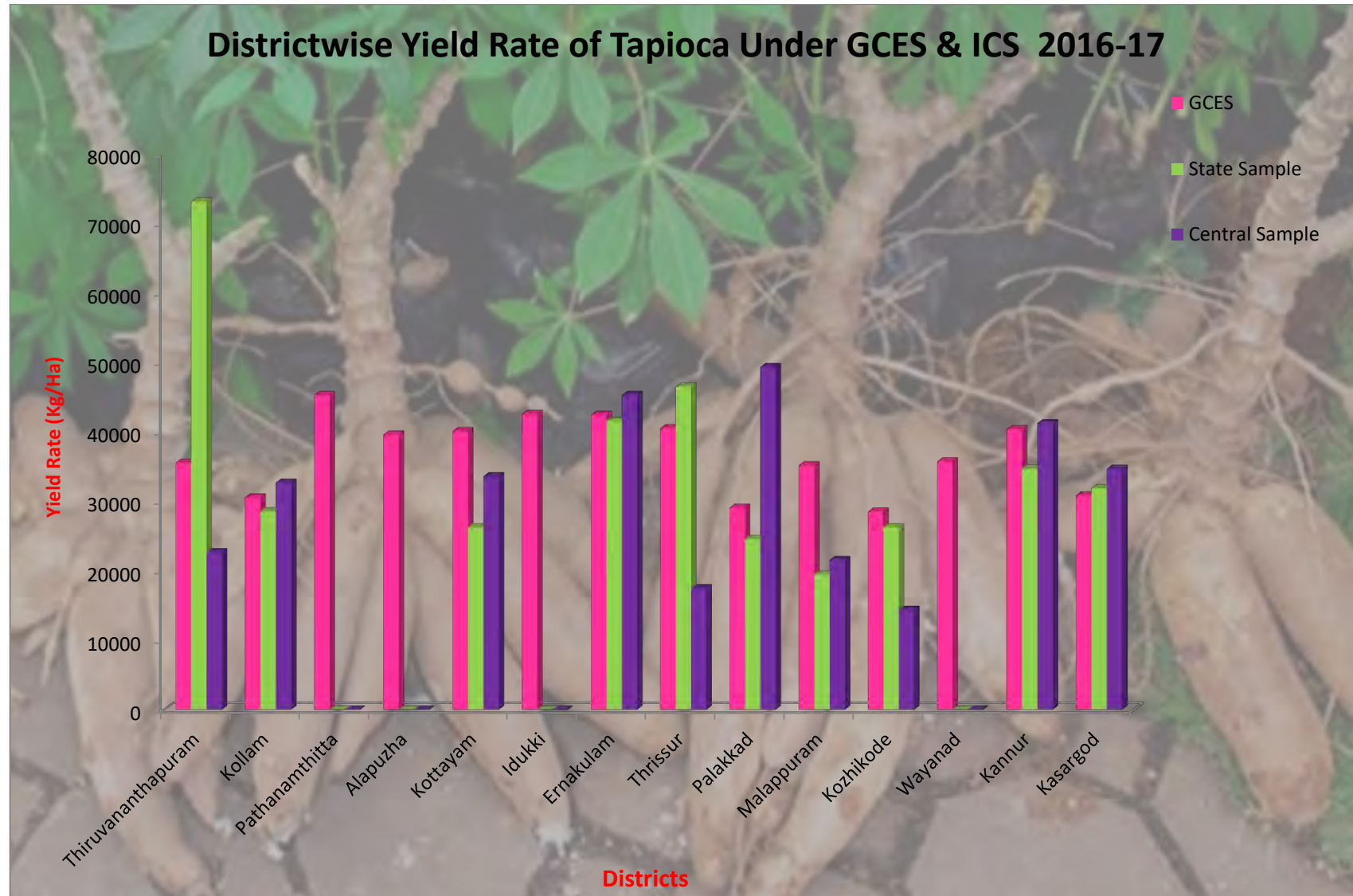


Chart-15

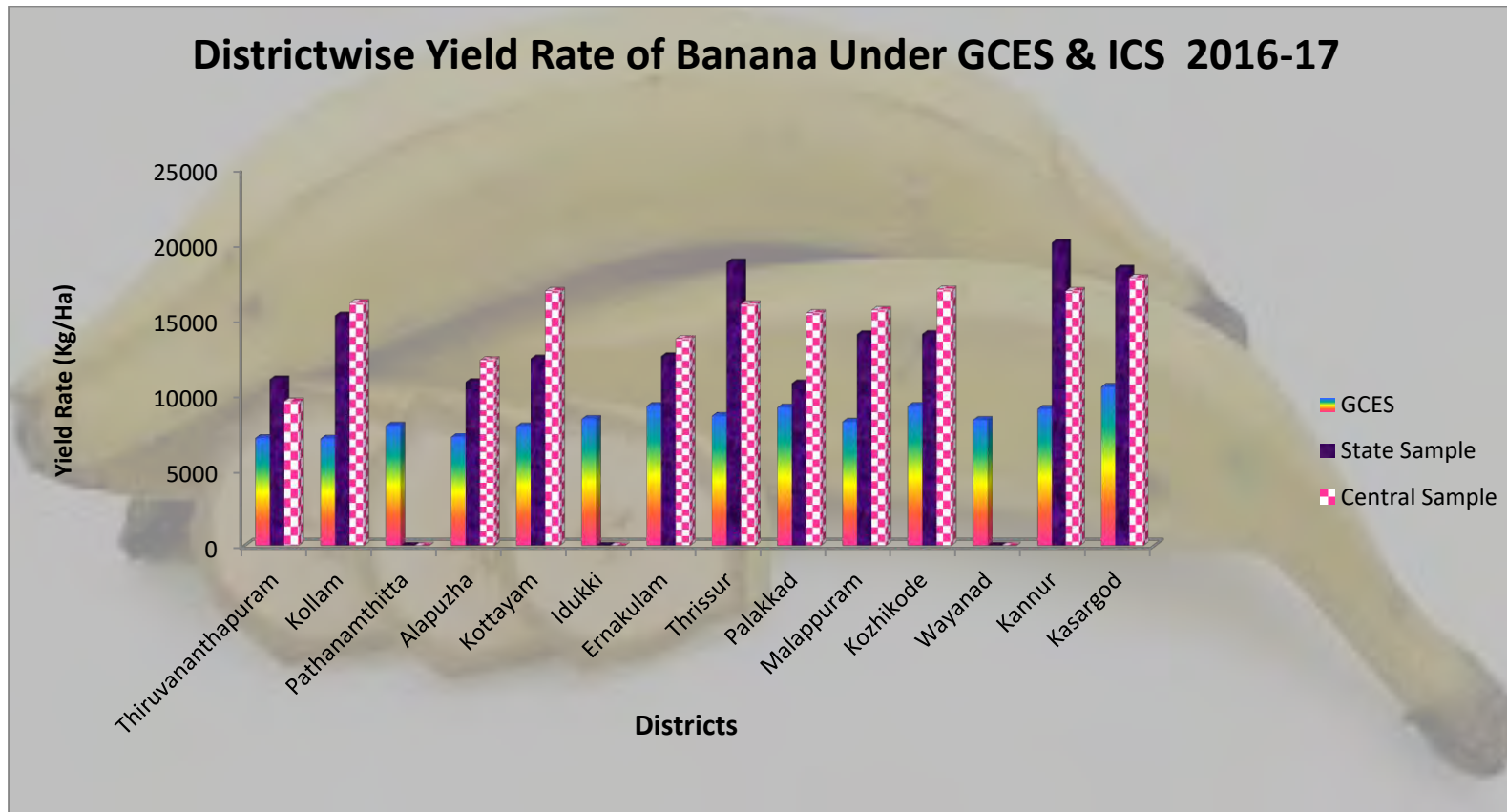


Chart -16

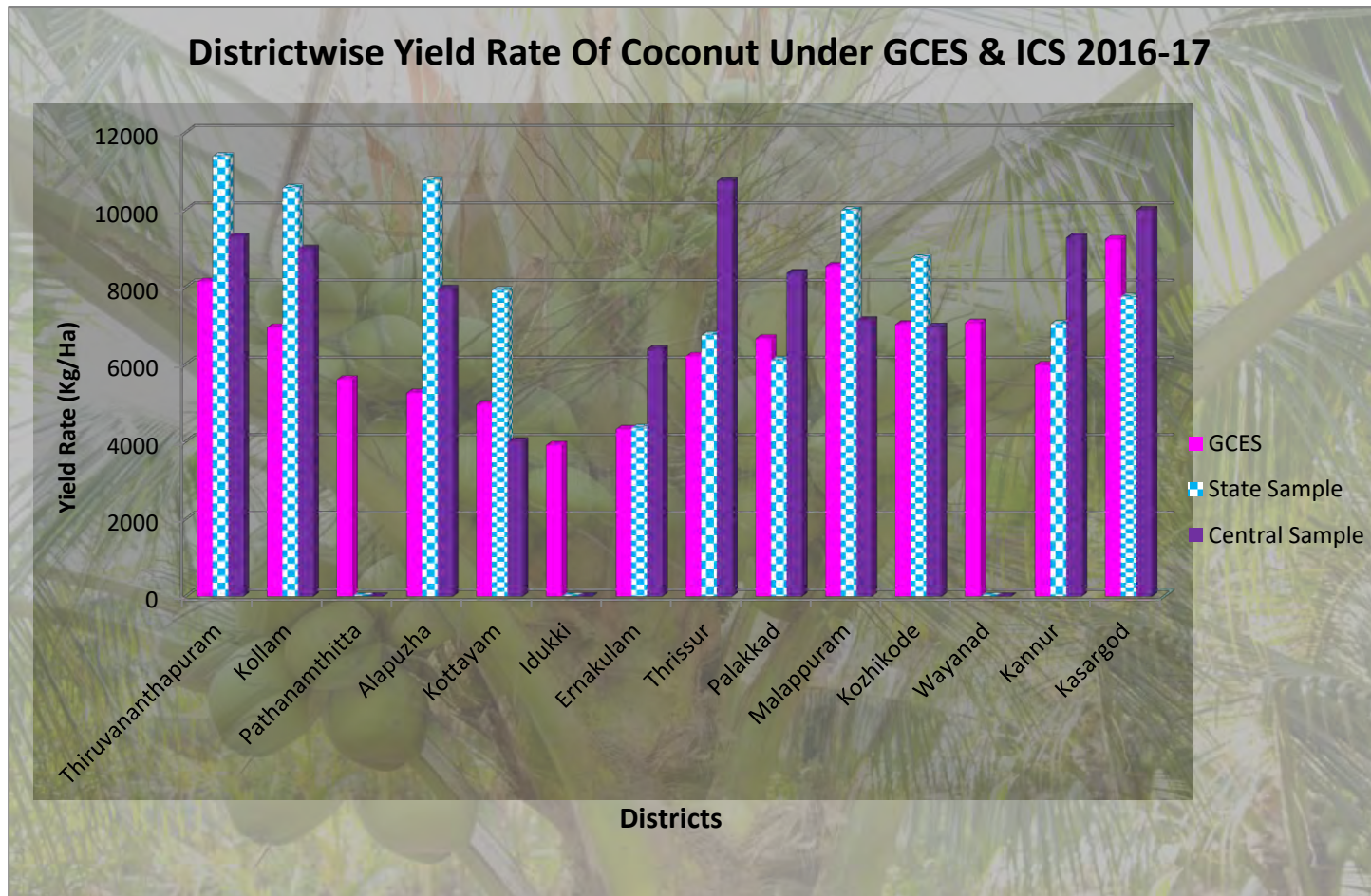


CHART -17

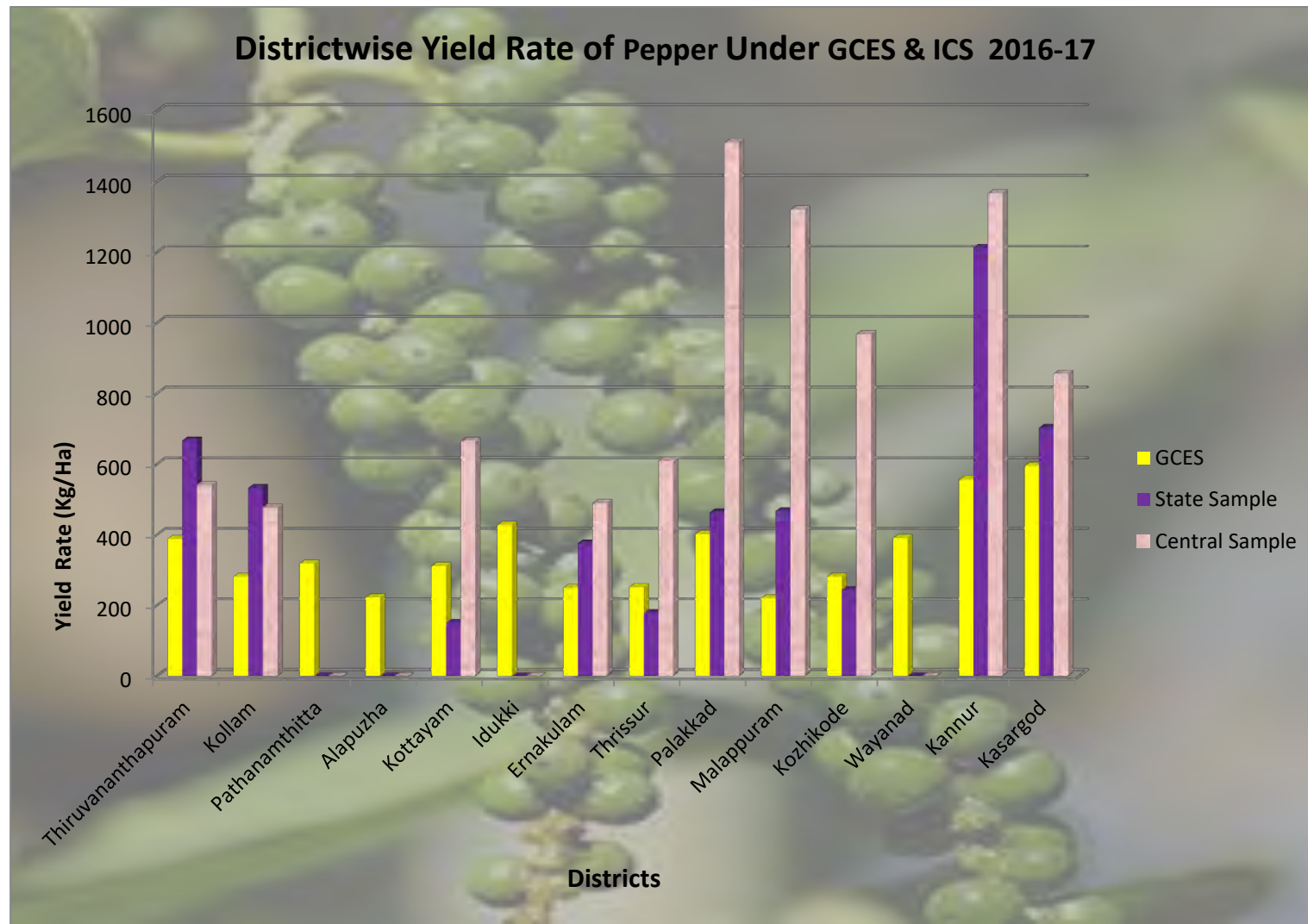


CHART – 18

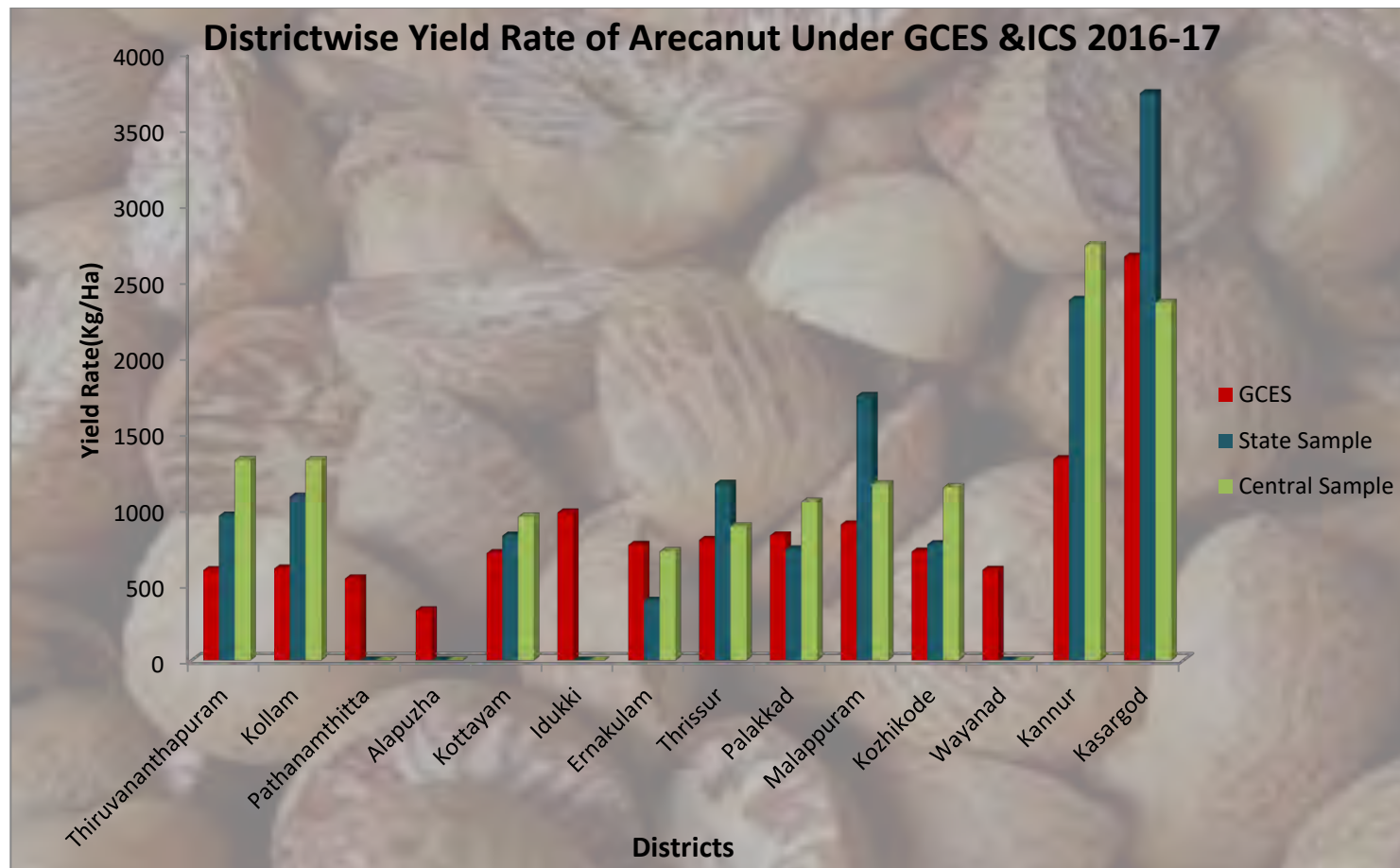
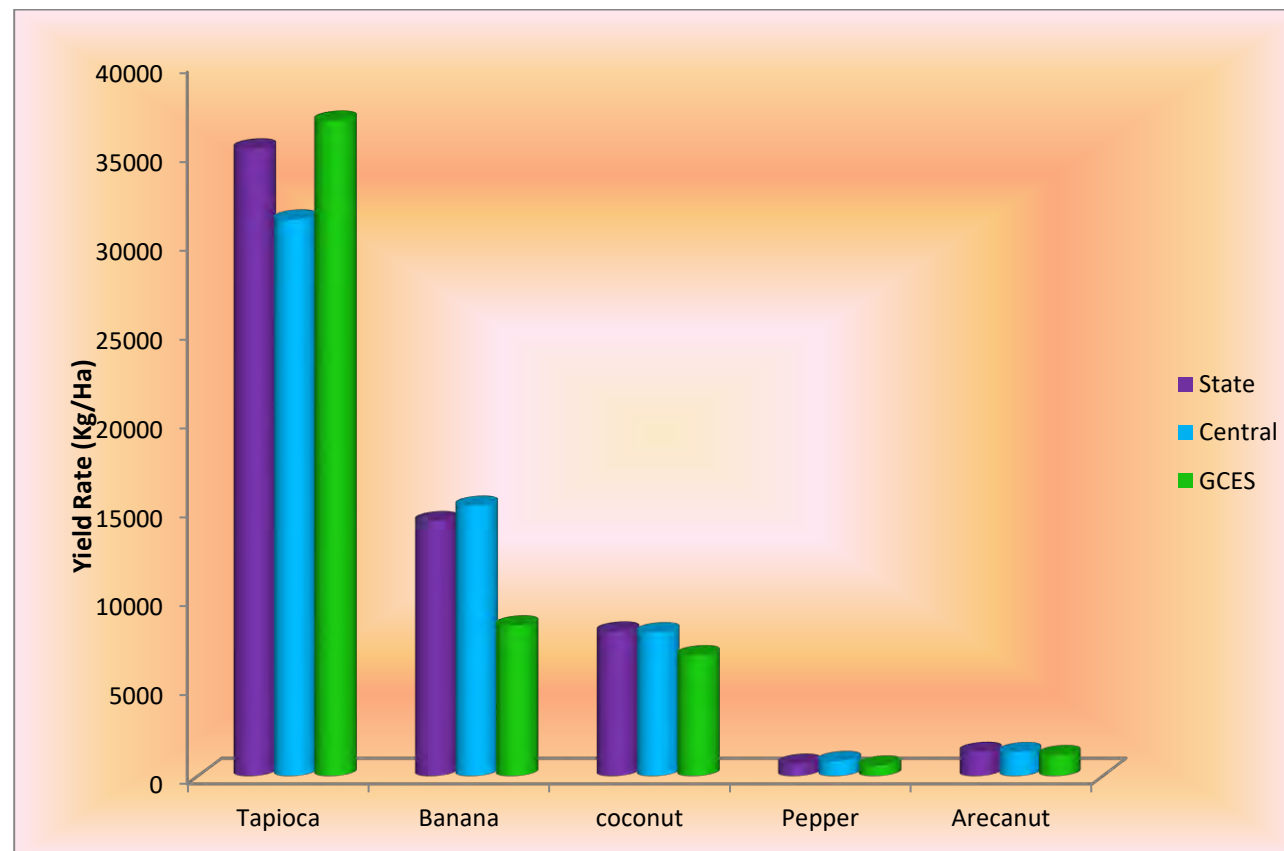


CHART – 19

CROP WISE YIELD RATES OF IMPORTANT CROPS UNDER GCES & ICS 2016-17





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