



GOVERNMENT OF KERALA

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

**2017-18**



**DEPARTMENT OF ECONOMICS & STATISTICS, KERALA**



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*KERALA*

## **PREFACE**

*The National Statistical Office (NSO) under Ministry of Statistics & Programme Implementation, Government of India has the overall responsibility of providing technical guidance to the state for developing suitable survey techniques for obtaining timely and reliable estimates of crop area and yield and imparting training to the state government field personnel. The primary responsibility for collection of statistics is entitled to the state government of Kerala.*

*Sample check by the NSO is a super check for rectifying the non-sampling error to a minimum. For this purpose 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 NSO and State Government. 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 findings of the ICS Scheme are brought for Kerala state by the DES in a publication named "Annual Review of Crop Statistics System in Kerala through the Scheme for Improvement of Crop Statistics" for every year.*

*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.Sheela.N (Statistical Assistants - Grade I) for their dedication and painstaking efforts for bringing out this report.*



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

# CONTENTS

.....		
Sl.No.	SUBJECT	PAGE No.
.....		
I.	Introduction	1-4
II.	Analysis of Data 2017-18	5-6
III	Check On Crop Cutting Experiments	7 – 9
	Tables	31-126



<b>Sl.No.</b>	<b>Subject</b>	<b>Page No.</b>
<b>1</b>	<b>Chart-1 Completion of Girdawari 2017-18 –Autumn</b>	<b>11</b>
<b>2</b>	<b>Chart-2 Completion of Girdawari 2017-18 –Winter</b>	<b>12</b>
<b>3</b>	<b>Chart-3 Completion of Girdawari 2017-18 –Summer</b>	<b>13</b>
<b>4</b>	<b>Chart-4 Errors in Recording crops and crop areas 2017-18 Autumn</b>	<b>14</b>
<b>5</b>	<b>Chart-5 Errors in Recording crops and crop areas 2017-18 Winter</b>	<b>15</b>
<b>6</b>	<b>Chart-6 Errors in Recording crops and crop areas 2017-18 Summer</b>	<b>16</b>
<b>7</b>	<b>Chart-7 Trend of Yield rates of Rice of ICS and GCES 2013-14 to 2017-18</b>	<b>17</b>
<b>8</b>	<b>Chart-8 Trend of Yield rates of Rice of ICS and GCES 2013-14 to 2017-18</b>	<b>18</b>
<b>9</b>	<b>Chart-9 Trend of Yield rates of Rice of ICS and GCES 2013-14 to 2017-18</b>	<b>19</b>
<b>10</b>	<b>Chart-10 District wise Yield Rates of Rice – ICS &amp; GCES Autumn 2017-18</b>	<b>20</b>
<b>11</b>	<b>Chart-11 District wise Yield Rates of Rice – ICS &amp; GCES Winter 2017-18</b>	<b>21</b>
<b>12</b>	<b>Chart -12 District wise Yield Rates of Rice – ICS &amp; GCES Summer 2017-18</b>	<b>22</b>
<b>13</b>	<b>Chart-13 Season wise Yield Rate for Rice under GCES &amp; ICS 2017-18</b>	<b>23</b>
<b>14</b>	<b>Chart-14 District wise Yield Rate of Tapioca under GCES &amp; ICS 2017-18</b>	<b>24</b>
<b>15</b>	<b>Chart-15 District wise Yield Rate of Banana under GCES &amp; ICS 2017-18</b>	<b>25</b>
<b>16</b>	<b>Chart-16 District wise Yield Rate of Coconut under GCES &amp; ICS 2017-18</b>	<b>26</b>
<b>17</b>	<b>Chart-17 District wise Yield Rate of Pepper under GCES &amp; ICS 2017-18</b>	<b>27</b>
<b>18</b>	<b>Chart-18 District wise Yield Rate of Arecanut under GCES &amp; ICS 2017-18</b>	<b>28</b>
<b>19</b>	<b>Chart-19 Crop wise Yield Rates of Important Crops under GCES &amp; ICS 2017-18</b>	<b>29</b>

## **I. INTRODUCTION**

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

The scheme ICS which had a modest beginning in the year 1973-74 reach to the optimum coverage in the subsequent years. The scheme is closely related to the scheme of TRS, EARAS & GCES and 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 NSO and DES and suggested remedial measures.

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 methods for data collection are contained. This report also contained the details of equipment supplied, adequacy of experiments planned under General Crop Estimation Survey (GCES), response rate etc. Besides, the findings of sample check under ICS scheme on working of the system are also brought out indicating the remedial measures to rectify the deficiencies observed.

#### **1. The Scheme for Improvement of Crop Statistics (ICS)**

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

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

The sample checks are undertaken by the supervisory staff of NSO (FOD) and the Supervisory staff of DES (ADOs) on matching basis in two non-overlapping samples.

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, weighing of the produce etc. In addition, regarding the supply and use of equipments for conducting the experiments, training received by the primary workers, crop condition, use of inputs etc. are also ascertained.

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

- (1) Timeliness in completion of area enumeration and working of the EARAS Scheme
- (2) Discrepancies in recording 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 since 1975-76.

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

Under the scheme EARAS, collection of data for estimating area and yield statistics for every agricultural year by way of complete enumeration of the villages of the State in a phased manner powering 20 % of the selected villages was done in each year. The first cycle of the survey was completed within a period of six years 1975-76, 1980-81 and the second cycle in 1985-86. During 1993-94 the Investigator Zones were recognized by suiting the villages to Panchayats. From 2000-01 onwards the part Panchayats were discontinued and each Investigator Zone was formed with full Panchayat/Panchayats. Cluster sampling method is being followed in EARAS Scheme in order to obtain



representation from the entire area of the Investigator Zone. The production of crops are estimated on the basis of scientifically designed crop cutting experiments conducted by the Investigators under the supervision of Statistical Inspectors/Taluk Statistical Officers/ District Level Officers.

#### **5. District Level Committee (DLC)**

District Level Committee is also functioning in every district with representatives of NSO 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-2017-18**

### **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 2017-18**

The response in sample check on area enumeration i.e., the number of IV zones for which filled in schedules were received during 2017-18 is given in Table 1. The response was 100 % for all season for all district for Central Sample & State Sample.

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

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

Timeliness in completion of area enumeration during 2017-18 is given in **Table-2**. The Timeliness of completion is 98.75%, 95%, 98.75% for central sample and 97.5%, 98.75% & 80% for State sample respectively. 1.25%, 3.75% & 1.25% enumeration work during Autumn, Winter and Summer season are completed after due date for Central Sample and 1.25% the date of completion is not known in winter season. 18.75% enumeration work were completed after due date of girdawari for state sample in summer season. The date of completion is not known is 2.5%, 1.25% and 1.25% during Autumn, Winter and Summer seasons respectively.

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

The details of season wise submission of EARAS statement during 2017-18 are indicated in Table 3. Timely submission of these statements still needs considerable improvement in almost all districts.

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

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

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

The percentage of Survey nos. in which different types of discrepancies in recording paddy area by the investigator during Autumn, Winter and Summer for the year 2017-18 are given in Table- 4. The error, which non-reporting of the actual grown area of the crop (E1) is nil for state and central sample and reporting of crops actually not grown (E2) is 4.59% during summer season for Central sample. Reporting of incorrect area of crops (E3) is 0.93%, 9.12%, 2.44% for Autumn, Winter and Summer respectively for state sample and 1.32% during winter season for central sample.

### **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 no difference in recording of seeds used during Autumn season for Central and State Sample. There is a slight discrepancy in Thiruvananthapuram district for state sample for winter season and a slight difference in Kasargod district in Central sample during summer season in recording of seed used.

### **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 2017-18. For Central Sample the response is 100% for all seasons.

#### **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 weighing of produce

E14 - Inadequate arrangement for storing the produce for drying

E15-Error in reporting proportion of experimental crops in mixture/ wrong reporting of constituents in mixture and

E16-any one of the items missing

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

The information on supply and use of crop cutting equipments such as Tapes, Pegs, Balance and Weights collected during the Sample Check Survey 2017-18 is presented in Tables 16 (i) & 16(ii). In most districts standard equipment which supplied were used but in some district the use of non-standard equipments are noticed. Use of non-standard equipments should be avoided.

#### **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 11(i),(ii),(iii),(iv),(v),(vi),12(i),(ii),(iii),(iv),(v),(vi),13(i),(ii),(iii),(iv),(v),(vi),14(i),(ii),(iii),(iv),(v),(vi),15(i),(ii),(iii),(iv),(v),(vi).

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

The yield rates of rice under ICS and GCES during the year 2017-18 for district level for central and state samples are given in Table 17(i).

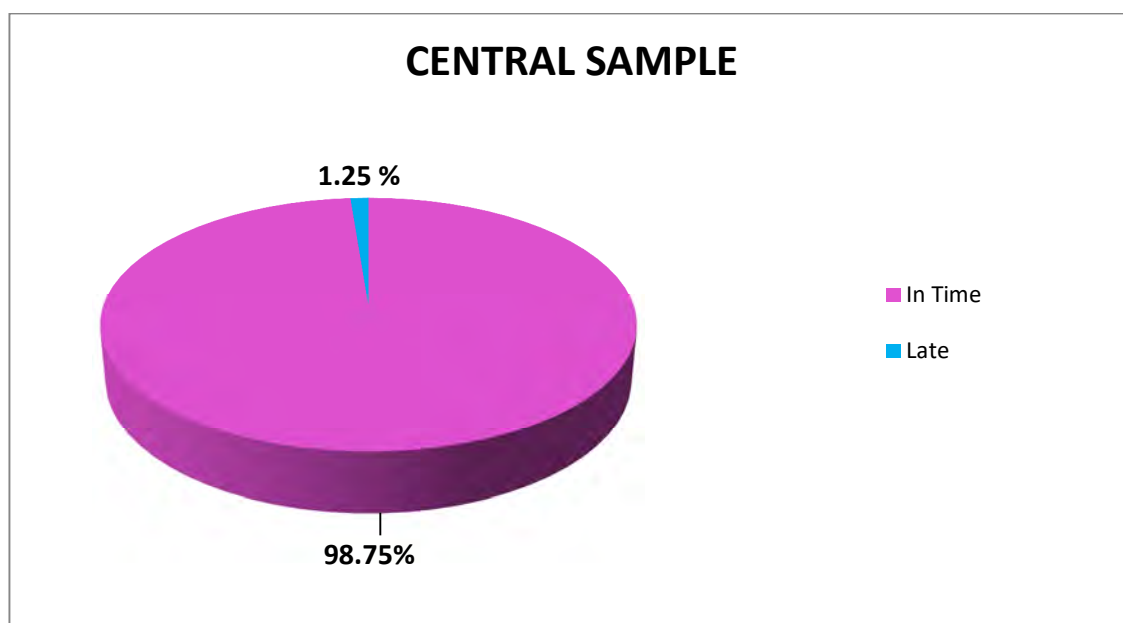
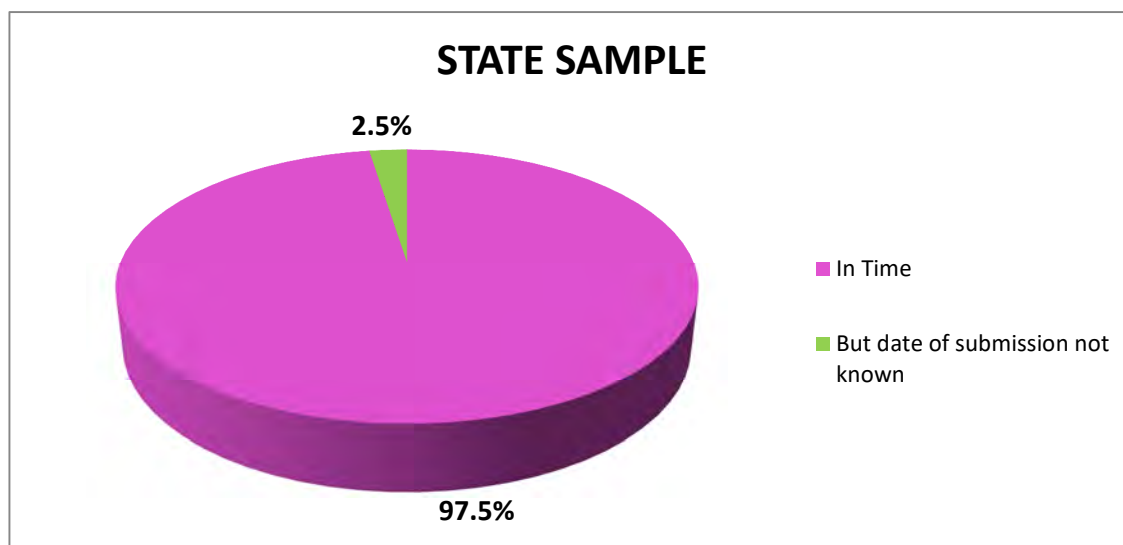
Trend of yield rate for Rice under ICS and GCES during Autumn, Winter and Summer for the year 2017-18 are given in Chart 7,8 and 9 respectively. District wise yield rate of Rice under GCES and ICS are given in Chart 10, 11 and 12 respectively. Season wise yield rate under GCES and ICS for paddy is given 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 2017-18 is given in Table 17(i) & 17(ii). 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 2017-18 is given in Chart-19.





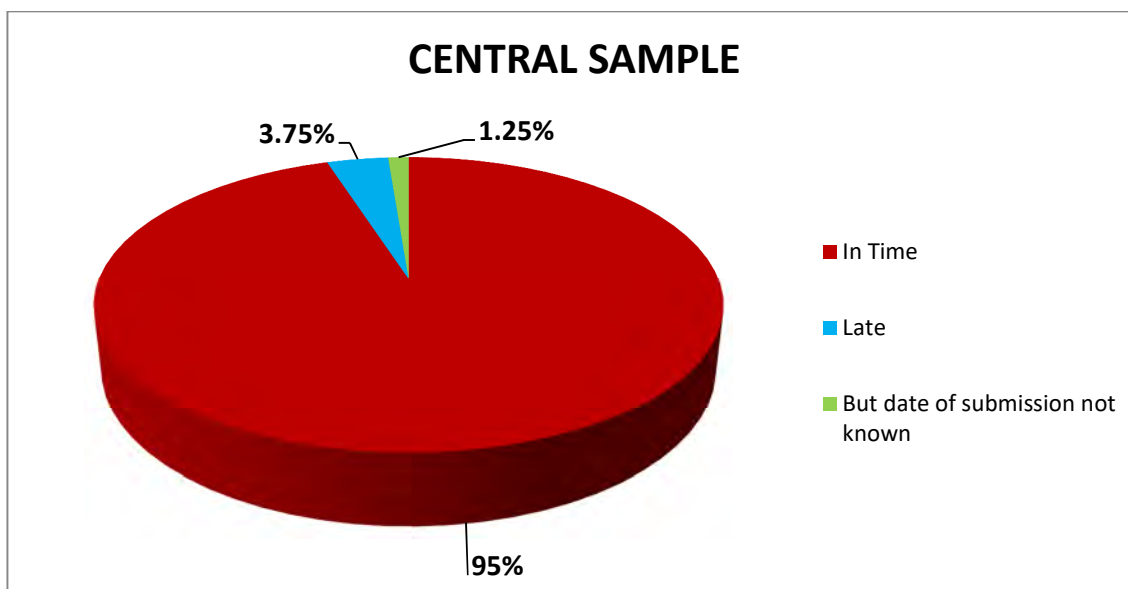
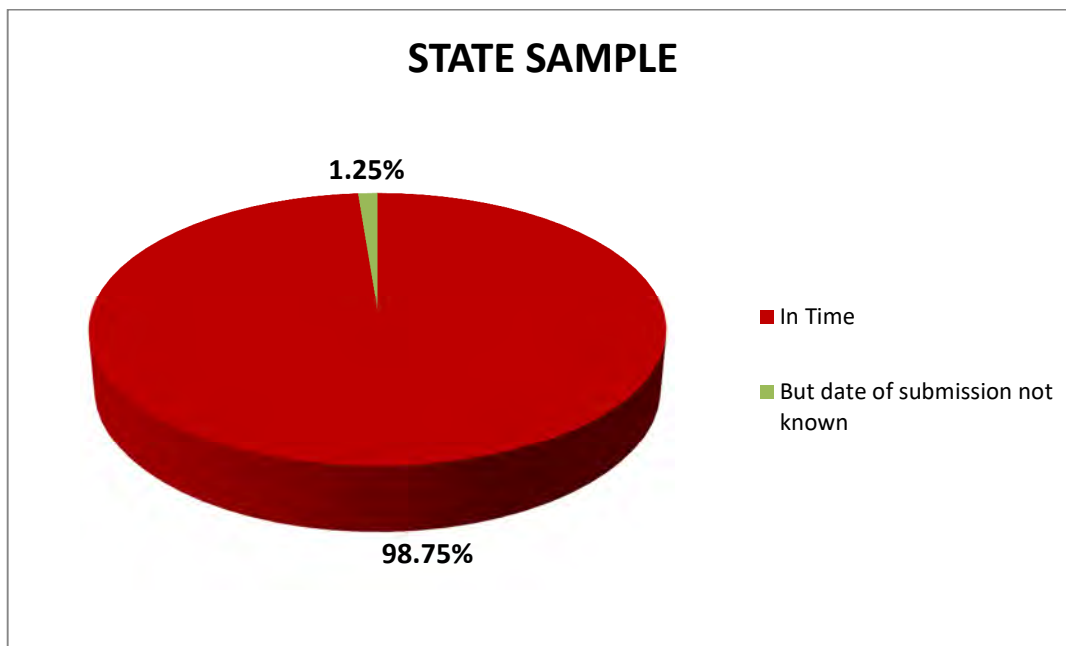
**CHART 1**  
**COMPLETION OF GIRDAWARI 2017-18**  
**AUTUMN**



## CHART 2

### COMPLETION OF GIRDAWARI 2017-18

#### WINTER



**CHART 3**  
**COMPLETION OF GIRDAWARI 2017-18**  
**SUMMER**

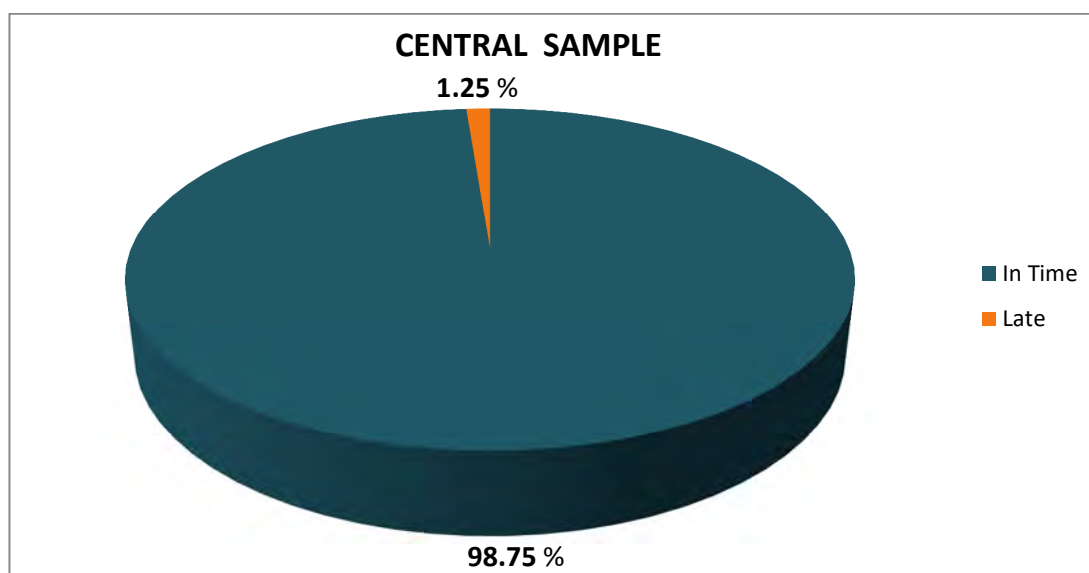
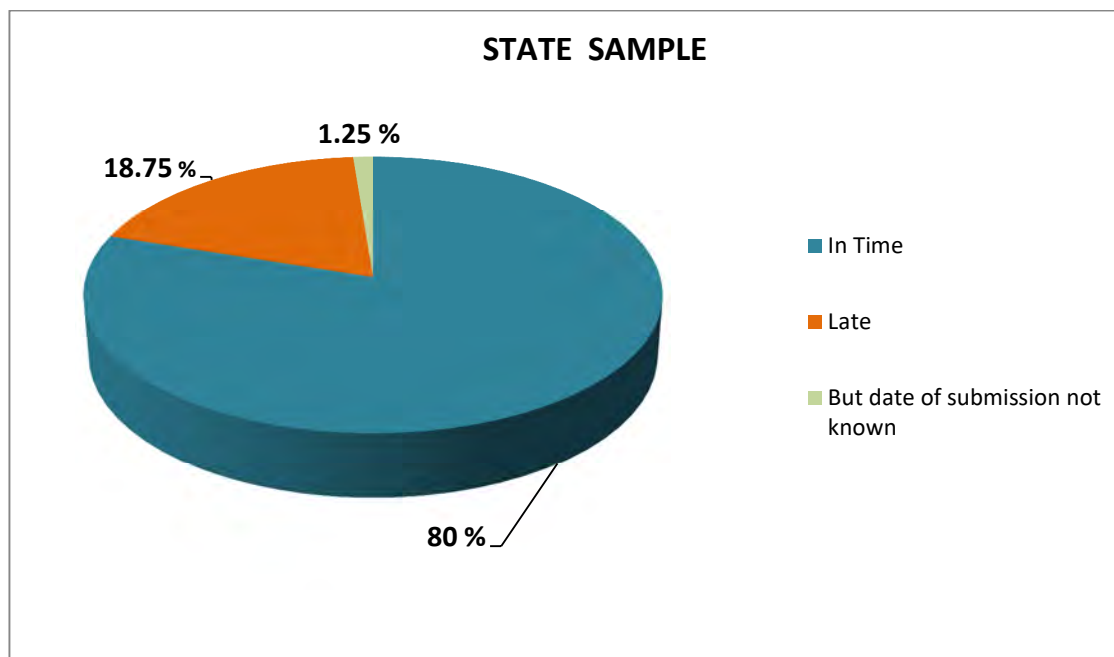
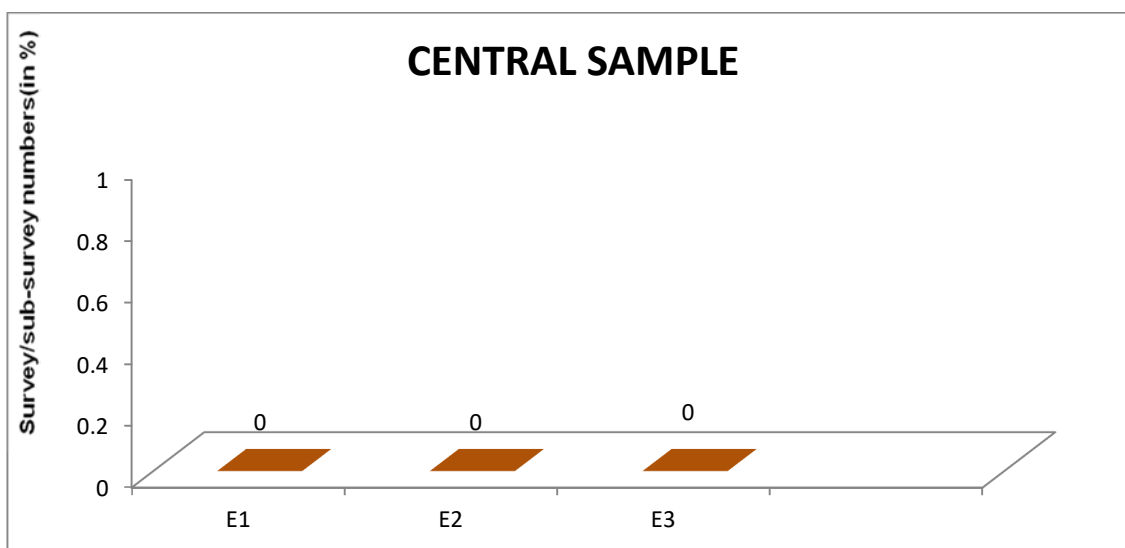
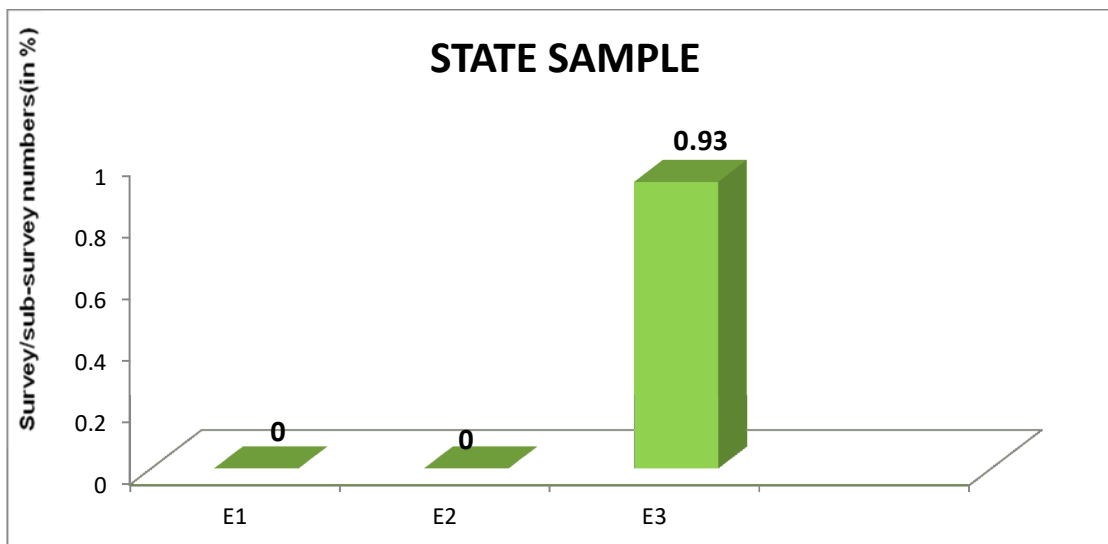


CHART-4

ERRORS IN RECORDING CROPS AND CROP AREAS 2017-18

AUTUMN



**E1-Crop reported by supervisor but not reported by primary worker**

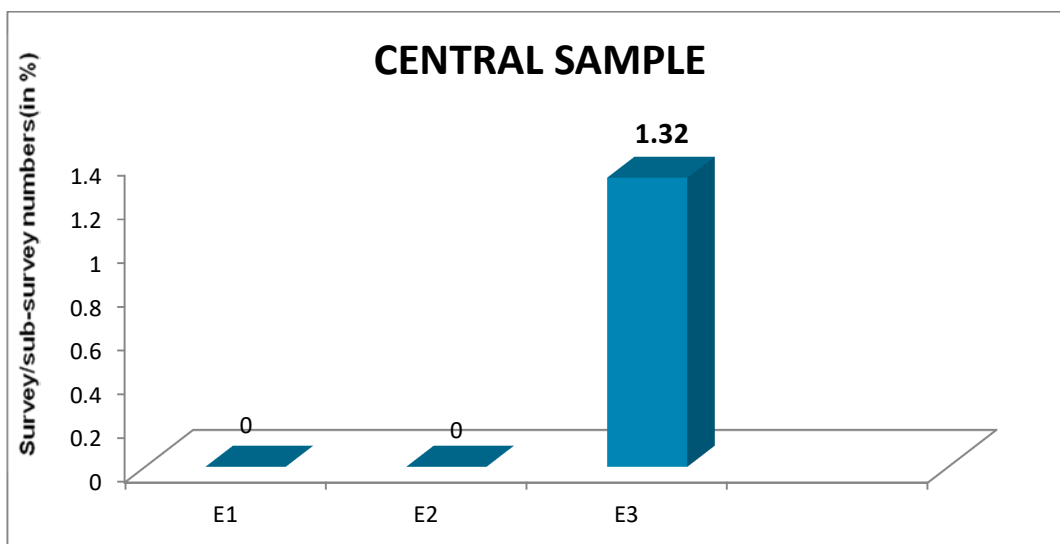
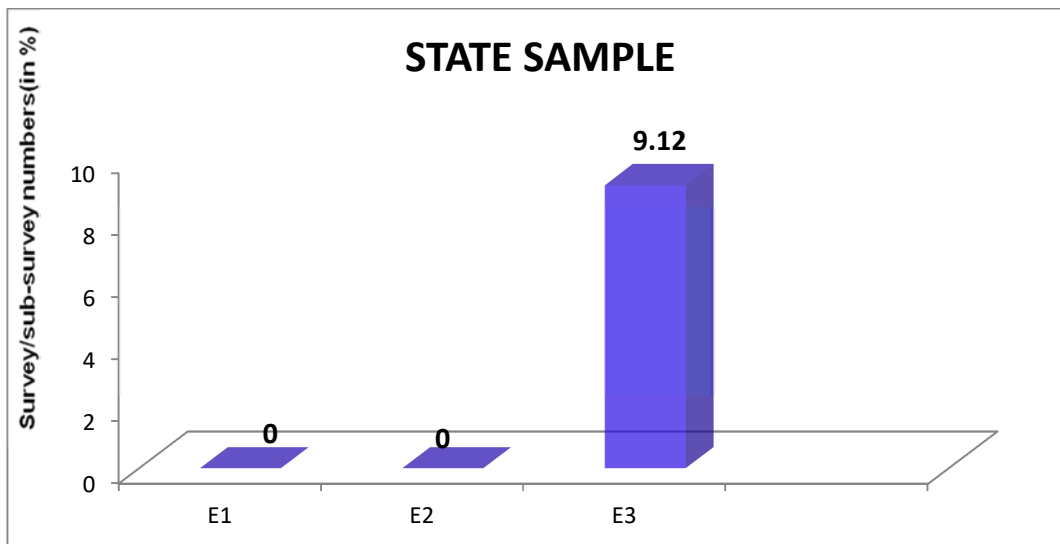
**E2- Crop reported by primary worker but not reported by supervisor**

**E3-Crop area reported by supervisor and primary worker differed.**

CHART-5

ERRORS IN RECORDING CROPS AND CROP AREAS 2017-18

WINTER



**E1-Crop reported by supervisor but not reported by primary worker**

**E2- Crop reported by primary worker but not reported by supervisor**

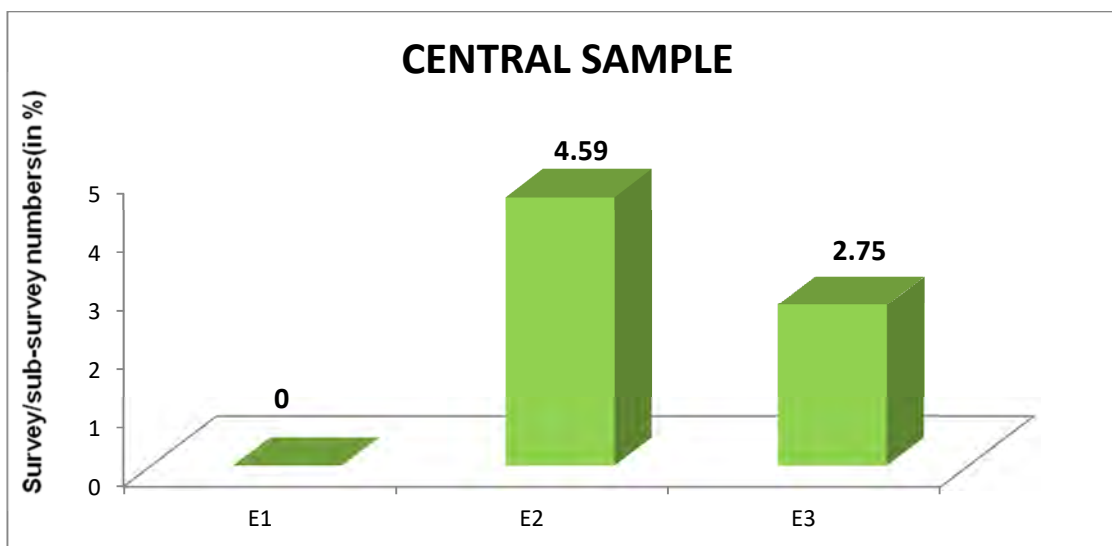
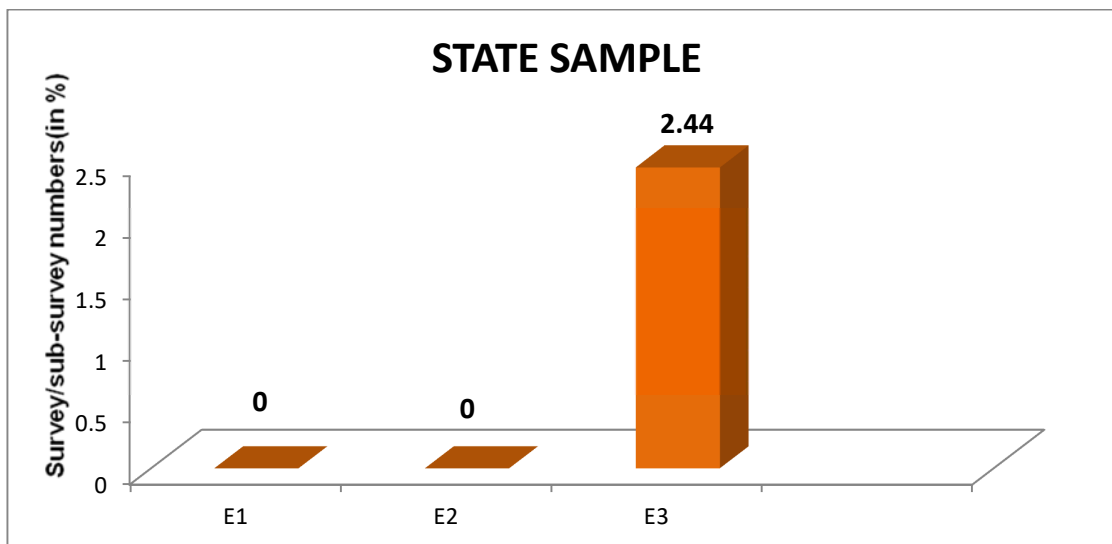
**E3-Crop area reported by supervisor and primary worker differed.**



CHART-6

ERRORS IN RECORDING CROPS AND CROP AREAS 2017-18

SUMMER



**E1-Crop reported by supervisor but not reported by primary worker**

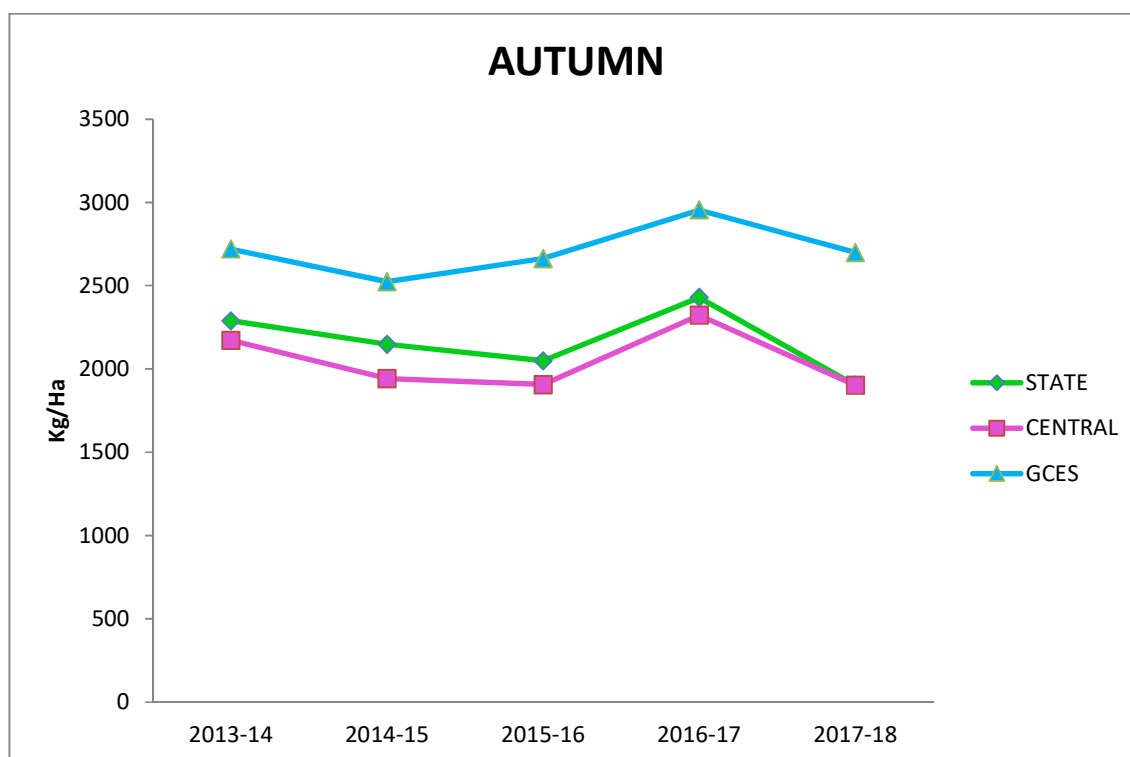
**E2- Crop reported by primary worker but not reported by supervisor**

**E3-Crop area reported by supervisor and primary worker differed.**

CHART-7

TREND OF YIELD RATES OF RICE UNDER ICS AND GCES

2013-14 to 2017-18



**CHART-8**

**TREND OF YIELD RATES OF RICE UNDER ICS AND GCES**

**2013-14 to 2017-18**

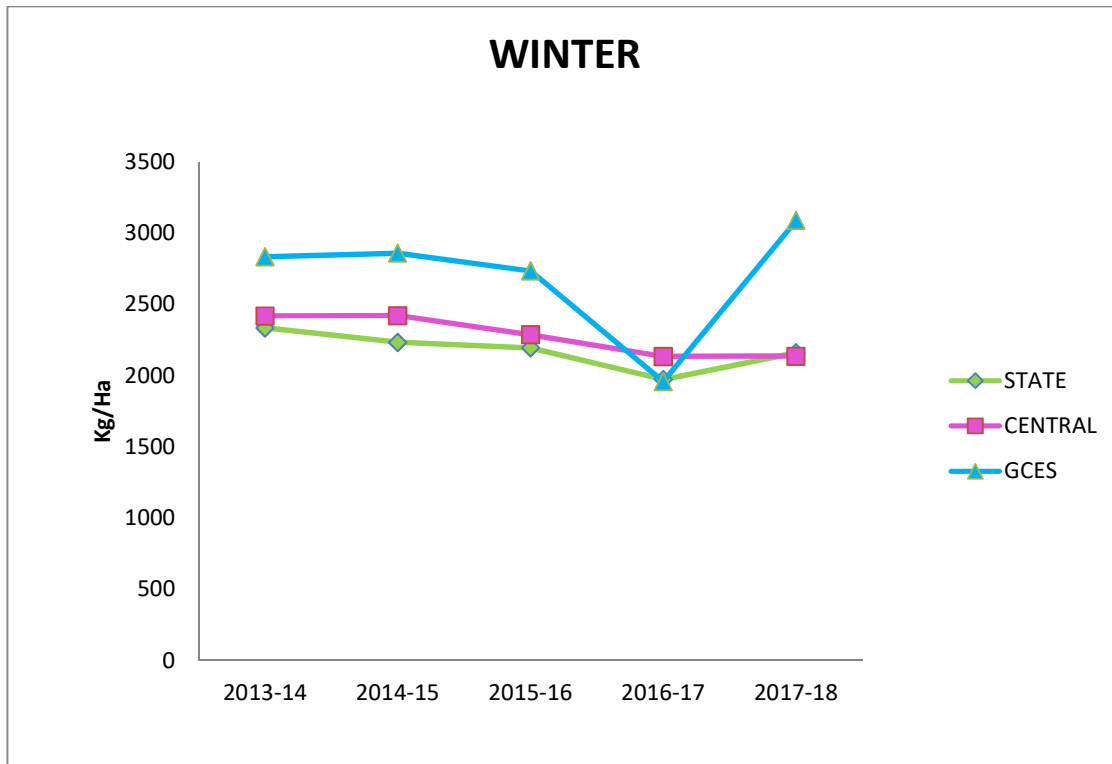


CHART-9

TREND OF YIELD RATES OF RICE UNDER ICS AND GCES

2013-14 to 2017-18

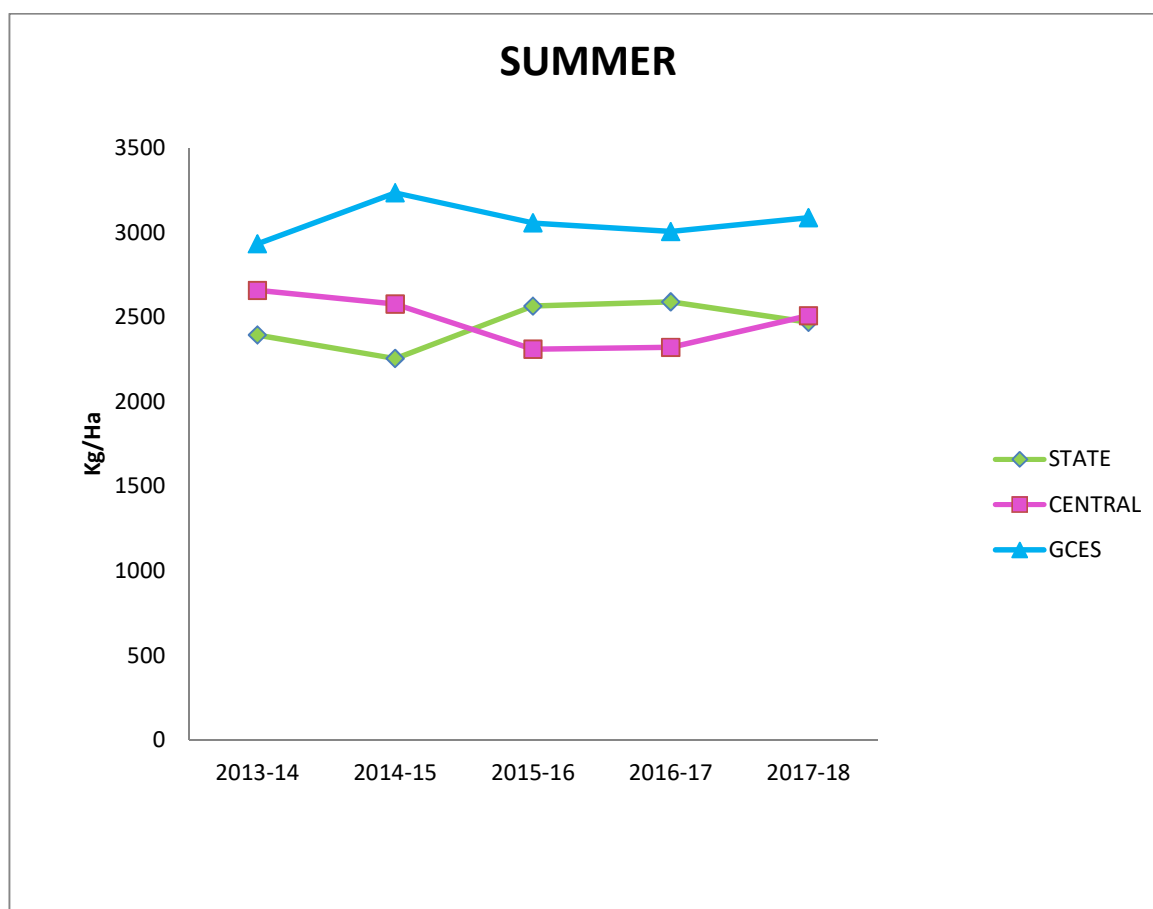


CHART-10

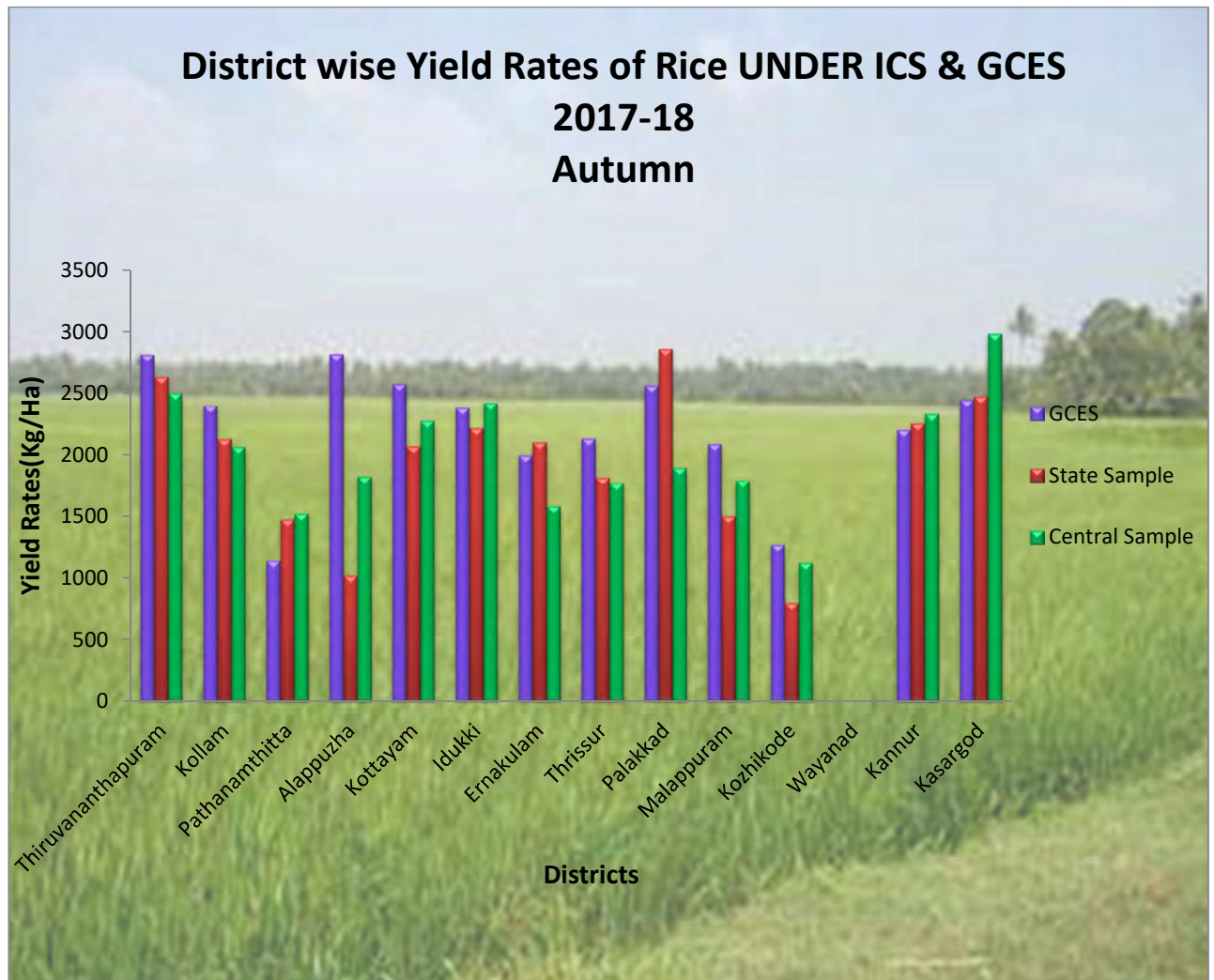


CHART-11

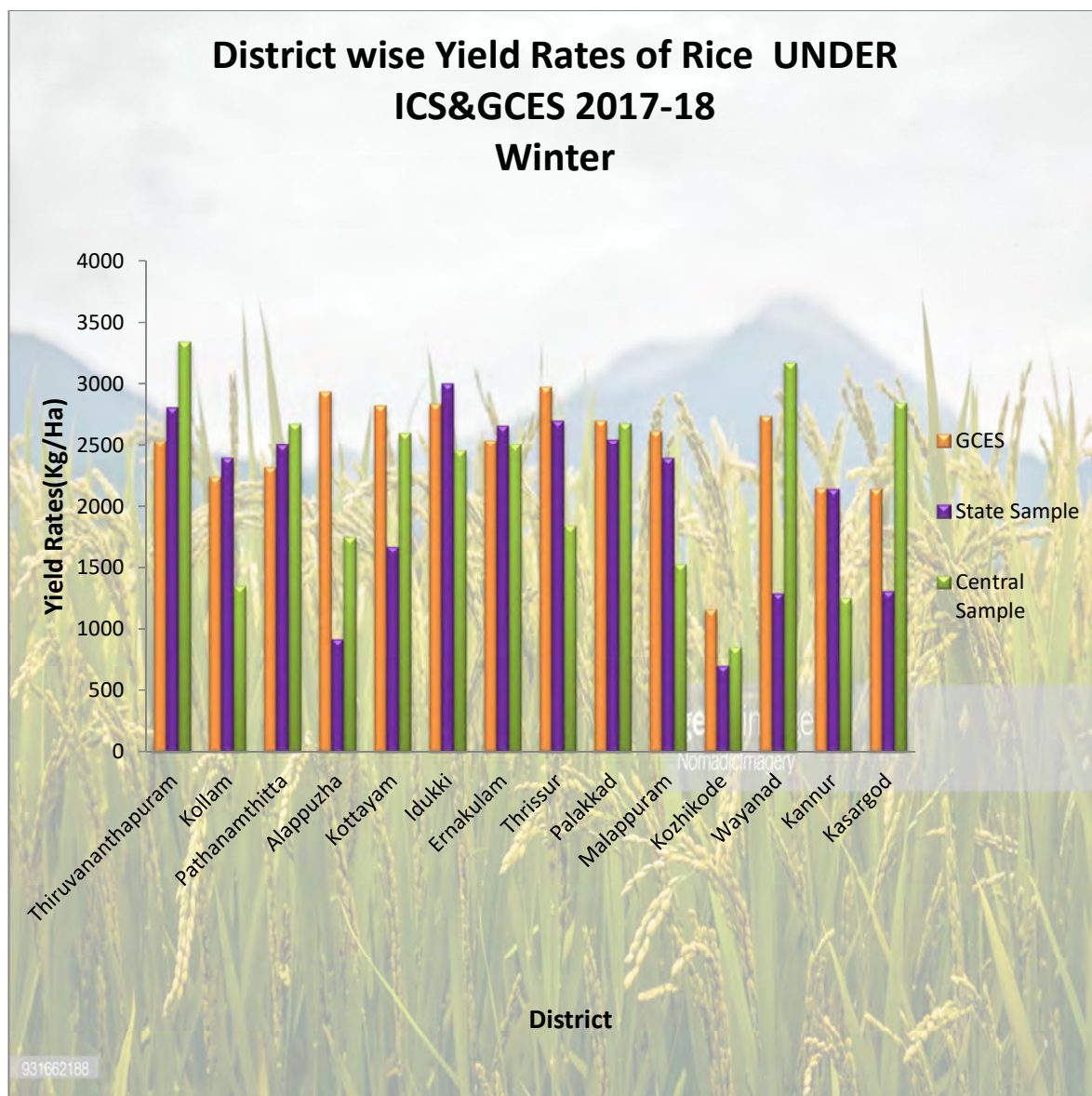




CHART-12

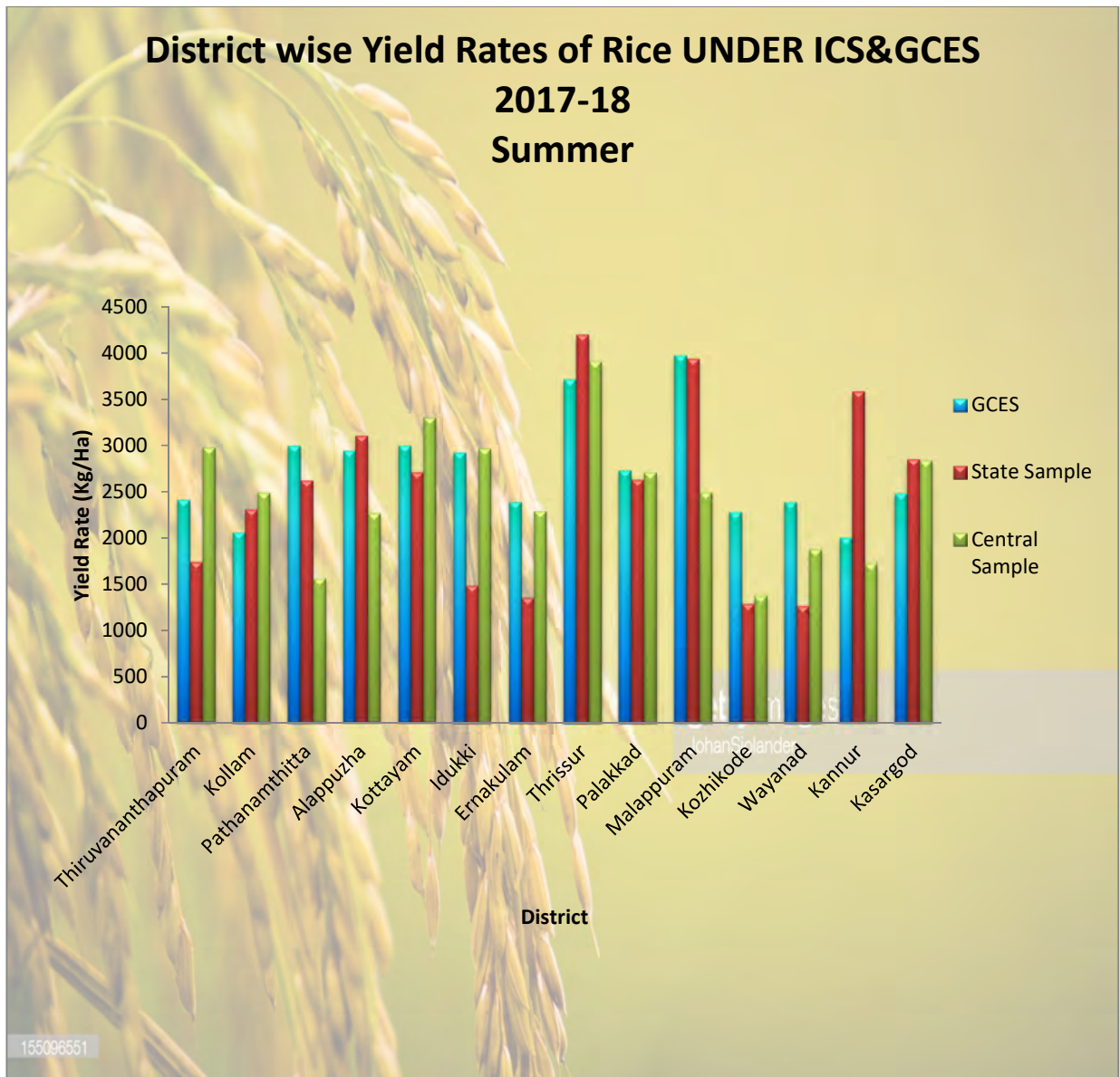


CHART-13

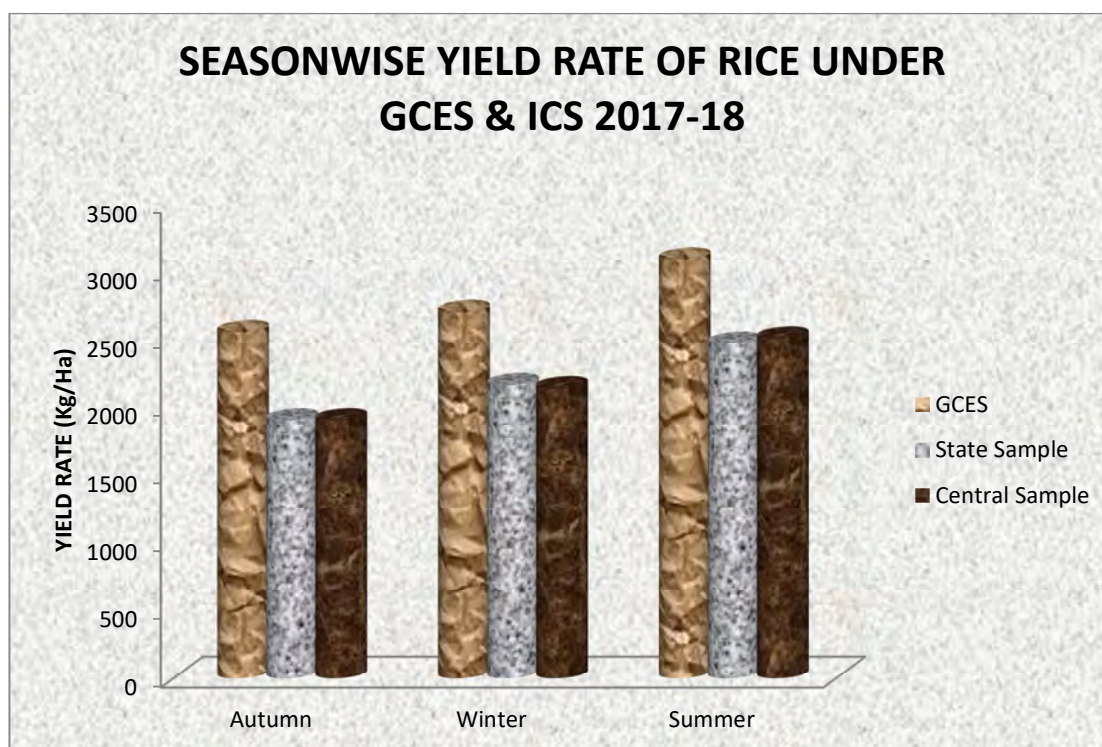


CHART-14

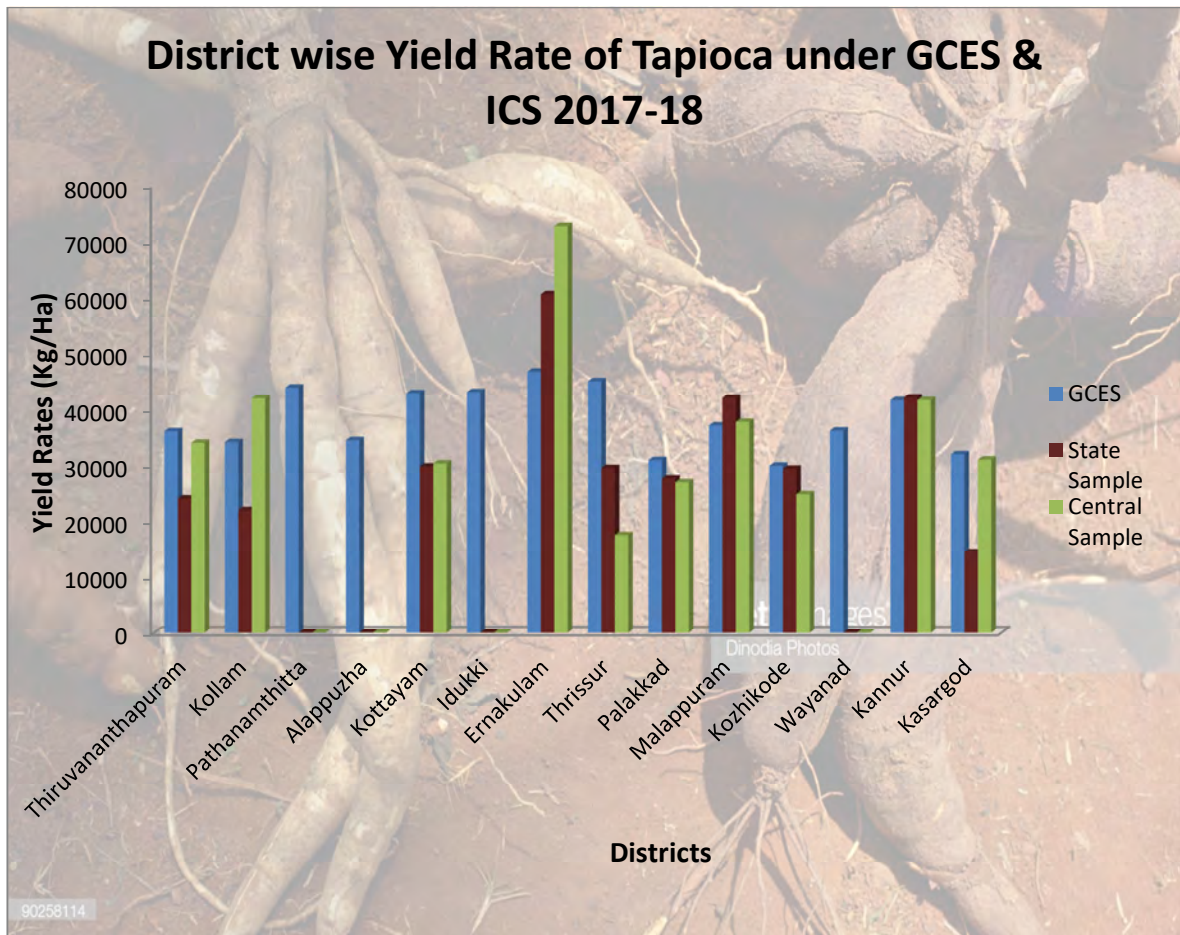




CHART-15

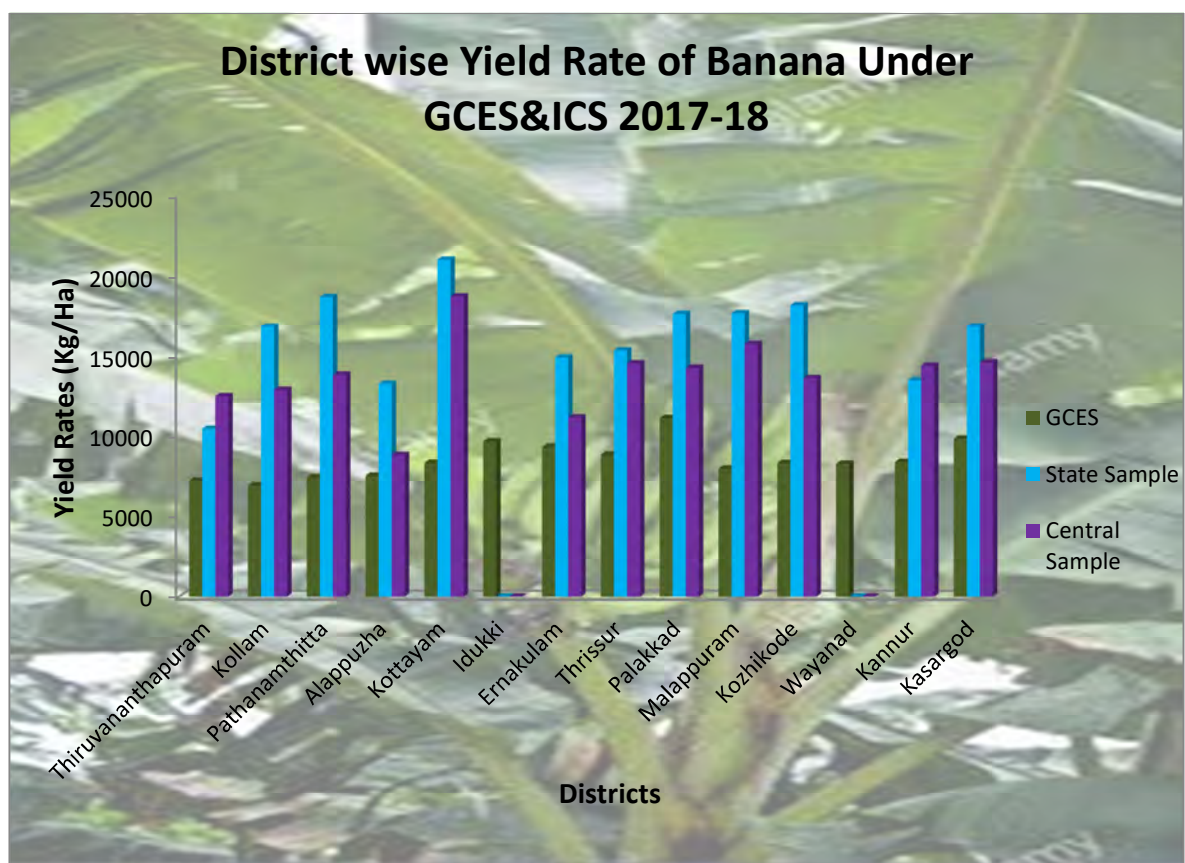


CHART-16

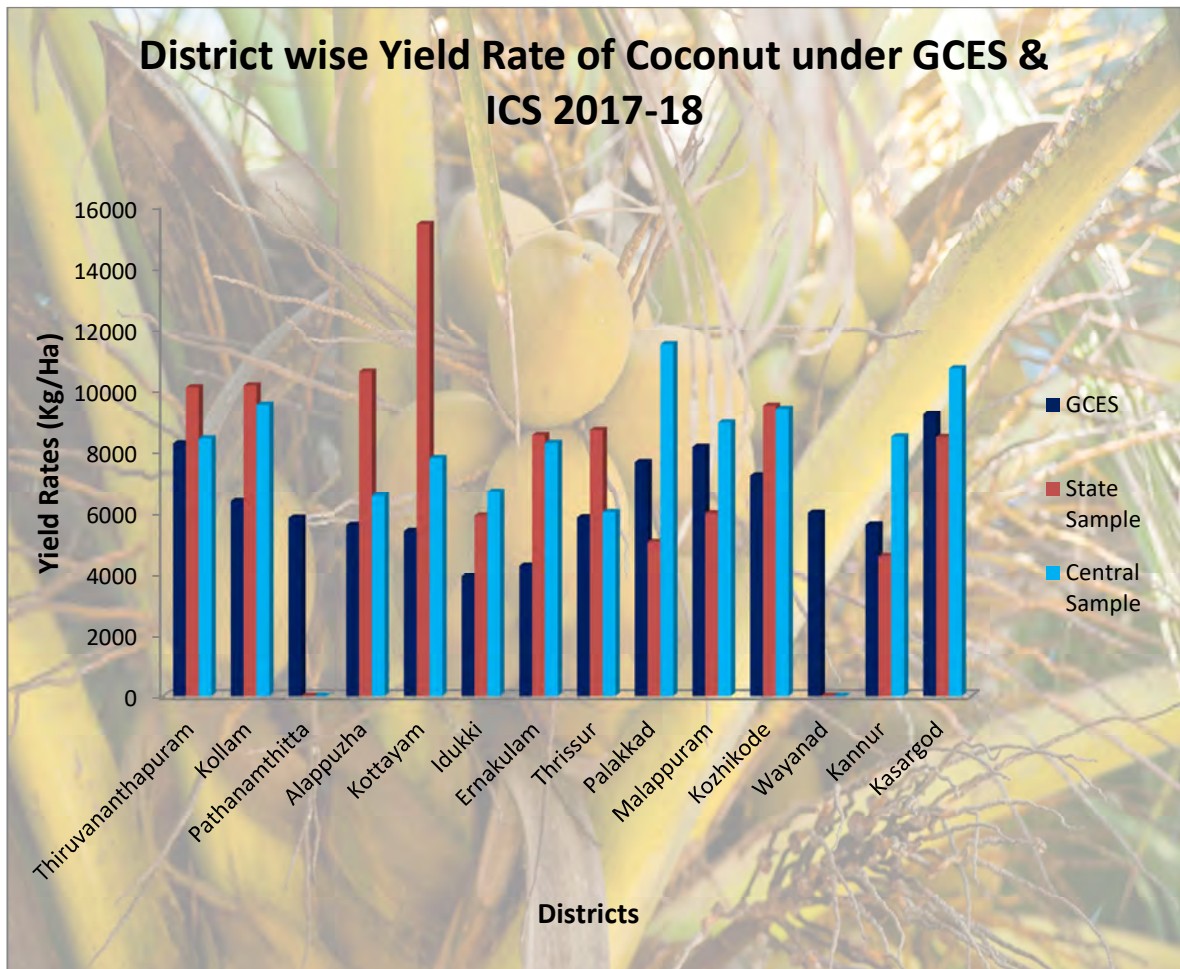


CHART-17

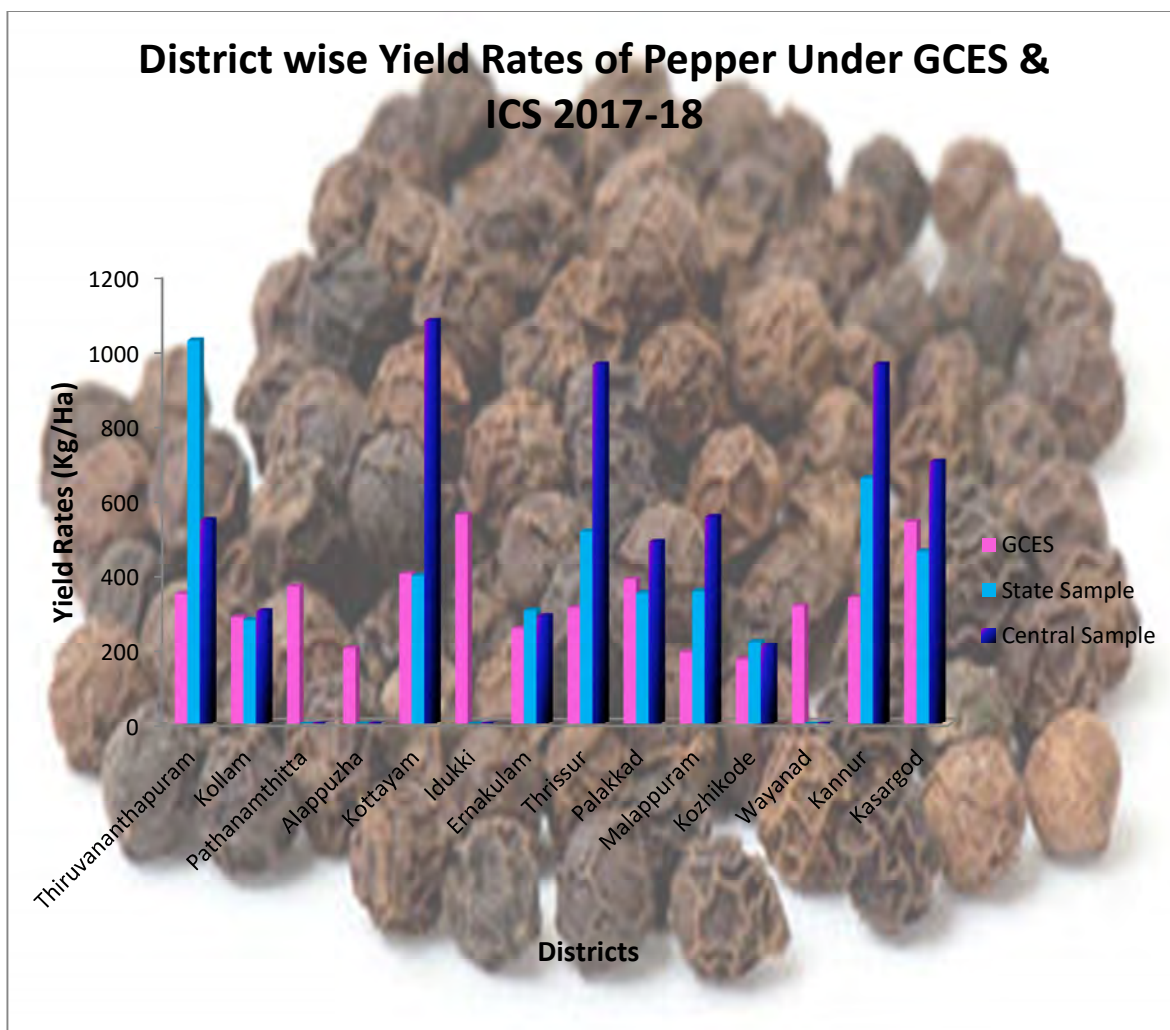


CHART-18

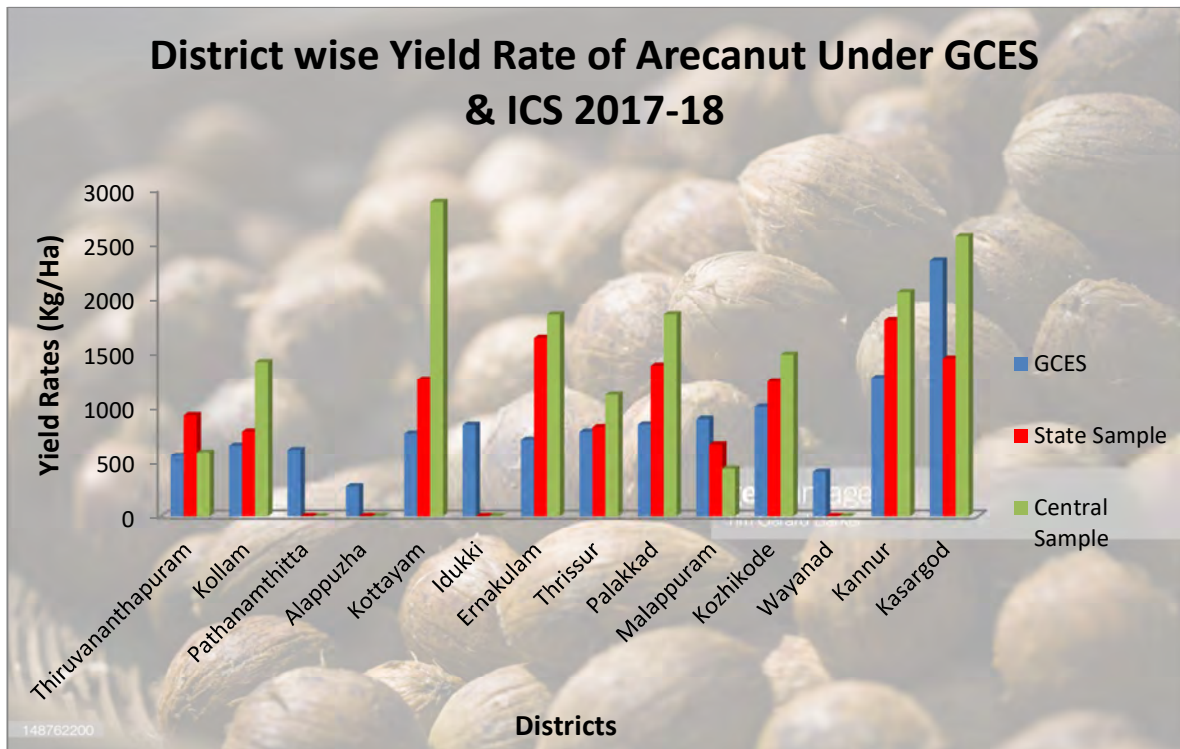




CHART-19

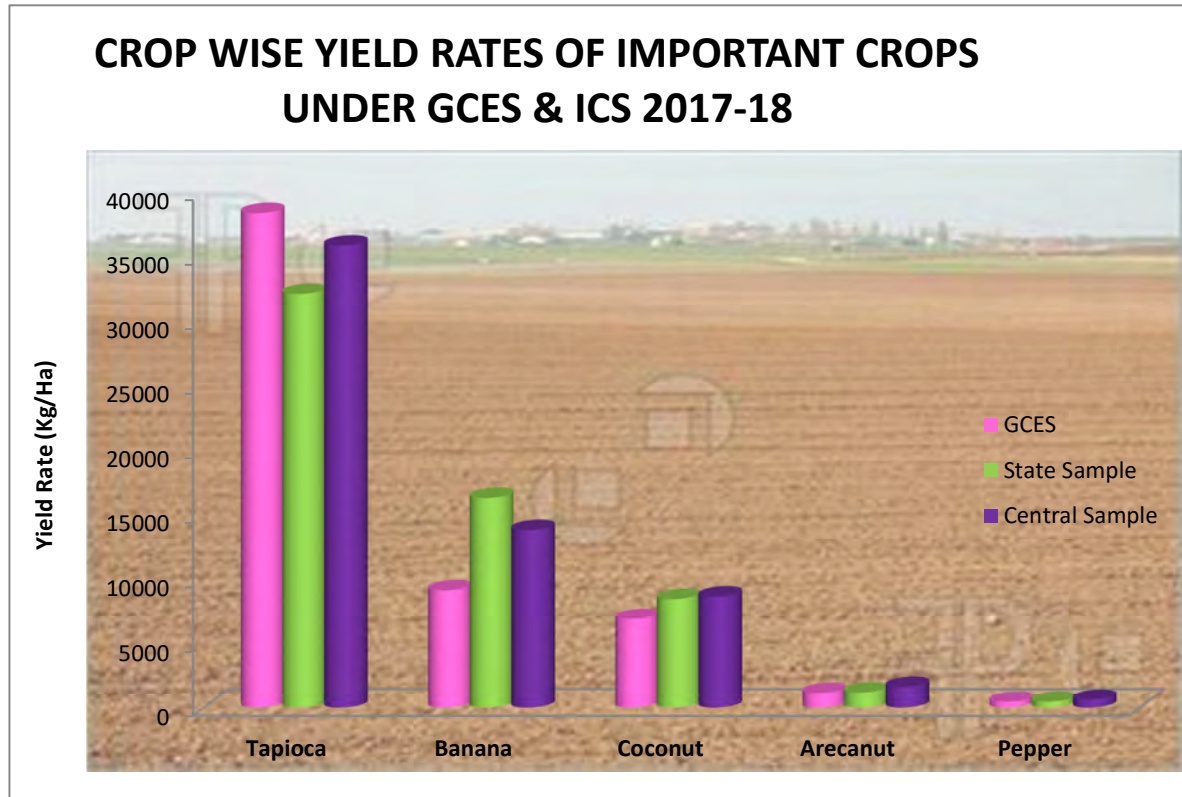






Table-1

## RESPONSE IN SAMPLECHECK ON ENUMERATION OF AREA DURING 2017-18

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	Ernakulam	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	Kozhikode	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

Table-2

## TIMELINESS IN COMPLETION OF GIRDAWARI DURING 2017-18

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				60	40			100		
		S	100				100				100		
2	Kollam	C	100				100				100		
		S	100				100				100		
3	Pathanamthitta	C	100				100				66.67	33.33	
		S	100				100				100		
4	Alappuzha	C	100				100				100		
		S	33.33		66.67		100				100		
5	Kottayam	C	100				100				100		
		S	100				100				83.3		16.67
6	Idukki	C	87.5	12.5			100				100		
		S	100				100				0	100	
7	Ernakulam	C	100				80	20			100		
		S	100				100				100		
8	Thrissur	C	100				100				100		
		S	100				100				16.67	83.3	
9	Palakkad	C	100				100				100		
		S	100				100				88.89	11.11	
10	Malappuram	C	100				100				100		
		S	100				85.7		14.29		85.7	14.30	
11	Kozhikode	C	100				100				100		
		S	100				100				100		
12	Wayanad	C	100				100				100		
		S	100				100				100		
13	Kannur	C	100				85.7		14.29		100		
		S	100				100				100		
14	Kasaragod	C	100				100				100		
		S	100				100				100		
For District Covered		C	98.75	1.25			95	3.75	1.25		98.75	1.25	
		S	97.5		2.5		98.75		1.25		80	18.75	1.25

**Table-3**  
**TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2017-18**

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 date of submission not known
				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			100					
			S		100						
		Summer	C			100					
			S			80		20			
3	Pathanamthitta	Autumn	C			100					
			S			100					
		Winter	C			100					
			S			100					
		Summer	C			33.33	33.33	33.33			
			S			100					
4	Alappuzha	Autumn	C			100					
			S			100					
		Winter	C			100					
			S			100					
		Summer	C			100					
			S				100				
5	Kottayam	Autumn	C			66.67	33.33				
			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 2017-18**

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 date of submission not known
				By due date	After due date	By due date	After due date				
1	2	3	4	5	6	7	8	9	10	11	12
6	Idukki	Autumn	C			100					
			S			100					
		Winter	C			100					
			S			100					
		Summer	C			100					
			S				100				
7	Ernakulam	Autumn	C			40	20	40			
			S			100					
		Winter	C			100					
			S			80	20				
		Summer	C			100					
			S			100					
8	Thrissur	Autumn	C			100	20				
			S			100					
		Winter	C			83.33		16.67			
			S			83.33		16.67			
		Summer	C			100					
			S			66.67	33.33				
9	Palakkad	Autumn	C			100					
			S			100					
		Winter	C			33.33	66.67				
			S			100					
		Summer	C			66.67	33.33				
			S			100					
10	Malappuram	Autumn	C			100					
			S			100					
		Winter	C			100					
			S			57.14		42.86			
		Summer	C			85.7		14.29			
			S			100					

Table-3 contd....

**Table-3**  
**TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2017-18**

Sl. No.	District	Season	Agency	Percentage of villages for which							
				EARAS Statement submitted					EARAS Statement submitted		
				Without completing girdawari		After completing girdawari		Information regarding date of submission not known	Though girdawari completed	Girdawari not completed	Information regarding date of submission not known
				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	Kozhikode	Autumn	C			50	33.33	16.67			
			S			83.33	16.67				
		Winter	C			100					
			S			100					
		Summer	C			100					
			S			100					
12	Wayanad	Autumn	C			80	20				
			S			100					
		Winter	C			100					
			S			100					
		Summer	C			100					
			S			100					
13	Kannur	Autumn	C			100					
			S			100					
		Winter	C			42.85	14.30	42.85			
			S			100					
		Summer	C			42.86		57.14			
			S			100					
14	Kasaragod	Autumn	C			80		20			
			S			100					
		Winter	C			20	40	40			
			S			80		20			
		Summer	C			20	20	60			
			S			100					
For District covered		Autumn	C			87.5	7.5	5			
			S			98.75	1.25				
		Winter	C		1.25	78.75	12.5	7.5			
			S		6.25	86.25	1.25	6.25			
		Summer	C			81.25	6.25	12.5			
			S			82.5	16.25	1.25			
C-Central Sample                      S-State Sample											

**Table-4**  
**PERCENTAGE OF SURVEY NUMBERS IN WHICH ERRORS IN RECORDING CROP**  
**AREAS WERE OBSERVED:2017-18**

Sl. No.	District	Agency	Percentage of survey numbers with different types of errors in enumeration of area during												
			AUTUMN				WINTER				SUMMER				
			e <sub>0</sub>	e <sub>1</sub>	e <sub>2</sub>	e <sub>3</sub>	e <sub>0</sub>	e <sub>1</sub>	e <sub>2</sub>	e <sub>3</sub>	e <sub>0</sub>	e <sub>1</sub>	e <sub>2</sub>	e <sub>3</sub>	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	Thiruvananthapuram	C	100									100			
		S	100					100				100			
2	Kollam	C	100					100							
		S	100					100							
3	Pathanamthitta	C						100				100			
		S										100			
4	Alappuzha	C	100									100			
		S	100					100				100			
5	Kottayam	C	100					100				90.91			9.09
		S						100				88.24			11.76
6	Idukki	C	100					97.67			2.33	100			
		S	100					70.83			29.17				
7	Ernakulam	C	100					100				100			
		S	100					88.89			11.11	100			
8	Thrissur	C	100					100				100			
		S	100					87.04			12.96	100			
9	Palakkad	C	100					100							
		S	100					100				100			
10	Malappuram	C	100					100				100			
		S	100					95.45			4.55	100			
11	Kozhikode	C	100					81.25			18.75				
		S				100	75.86			24.14	100				
12	Wayanad	C						100				100			
		S						100				100			
13	Kannur	C	100					100							
		S	100					82.86			17.14				
14	Kasargod	C	100					100						100	
		S	94.74			5.26	88.89			11.11					
For District covered		C	100				98.68				1.32	92.66		4.59	2.75
		S	99.07			0.93	90.88				9.12	97.56			2.44
C-Central Sample    S-State Sample															
e <sub>0</sub> -NO error		e <sub>1</sub> -Non reporting of crops actually grown					e <sub>2</sub> -Reporting of crops actually not grown								
		e <sub>3</sub> -Reporting incorrect area of crops													

Table 5(a)

**DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY  
DURING 2017-18  
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	Thiruvanantha- puram	C		100		100								
		S		100		100								
2	Kollam	C		100		100								
		S		100		100								
3	Pathanamthitta	C												
		S												
4	Alappuzha	C		100		100								
		S		75	25	100								
5	Kottayam	C		100		100								
		S												
6	Idukki	C		100		100								
		S		100		100								
7	Ernakulam	C		33.33	66.67	100								
		S		100		100								
8	Thrissur	C		100		100								
		S		92.31	7.69	100								
9	Palakkad	C		92	8	100								
		S		98.90	1.10	100								
10	Malappuram	C		100		100								
		S		66.67	33.33	100								
11	Kozhikode	C		100		100								
		S		100		100								
12	Wayanad	C												
		S												
13	Kannur	C		100		100								
		S		90.48	9.52	100								
14	Kasargod	C		100		100								
		S		100		100								
For District Covered		C		97.01	2.99	100								
		S		94.91	5.09	100								
C-Central Sample      S-State Sample														
HY-High Yielding Seed      L-Local variety seed      NR-Non reporting														



**Table-5(w)**  
**DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF**  
**PADDY DURING 2017-18**  
**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	Thiruvanantha-puram	C												
		S							100		100			
2	Kollam	C		31.58	68.42	100								
		S			100	100								
3	Pathanamthitta	C		100		100								
		S												
4	Alappuzha	C												
		S			100	100								
5	Kottayam	C		100		100								
		S		100		100								
6	Idukki	C		81.4	18.6	100								
		S		95.83	4.17	100								
7	Ernakulam	C		100		100								
		S		100		100								
8	Thrissur	C		97.3	2.7	100								
		S		98.15	1.85	100								
9	Palakkad	C		92.96	7.04	100								
		S		97.73	2.27	100								
10	Malappuram	C		57.7	42.31	100								
		S		40.90	59.10	100								
11	Kozhikode	C		18.75	81.25	100								
		S			100	100								
12	Wayanad	C		92	8	100								
		S		83.33	16.67	100								
13	Kannur	C		42.11	57.89	100								
		S		71.43	28.57	100								
14	Kasargod	C		65	35	100								
		S		16.67	83.33	100								
For District covered		C		76.64	23.36	100								
		S		73.22	23.65	96.87			3.13		3.13			
C-Central Sample      S-State Sample														
HY-High Yielding Seed      L-Local variety seed      NR-Non reporting														

**Table-5(S)**  
**DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY**  
**DURING 2017-18**  
**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	Thiruvanantha- puram	C			100	100								
		S			100	100								
2	Kollam	C												
		S												
3	Pathanamthitta	C		100		100								
		S		100		100								
4	Alappuzha	C		100		100								
		S		100		100								
5	Kottayam	C		100		100								
		S		100		100								
6	Idukki	C		100		100								
		S												
7	Ernakulam	C		100		100								
		S		100		100								
8	Thrissur	C		94.74	5.26	100								
		S		100		100								
9	Palakkad	C												
		S		100		100								
10	Malappuram	C		100		100								
		S		100		100								
11	Kozhikode	C												
		S		100		100								
12	Wayanad	C		100		100								
		S		100		100								
13	Kannur	C												
		S												
14	Kasargod	C							100	100		100		100
		S												
For District covered		C		92.66	2.75	95.41			4.59	4.59				
		S		98.78	1.22	100								
C-Central Sample      S-State Sample HY-High Yielding Seed      L-Local variety seed      NR-Non reporting														

**Table-6**  
**RESPONSE IN SAMPLECHECK ON CROP CUTTING EXPERIMENTS FOR PADDY**  
**DURING 2017-18**

Sl. No.	District	Agency	AUTUMN		WINTER		SUMMER		ANNUAL	
			No of Expts Planned	% of Response	No of Expts Planne d	% of Response	No of Expts Planned	% of Response	No of Expts Planned	% of Response
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvanantha- puram	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	Alappuzha	C	6	100	6	100	6	100	18	100
		S	6	100	6	100	6	100	18	100
5	Kottayam	C	6	100	6	100	6	100	18	100
		S	6	100	6	100	6	100	18	100
6	Idukki	C	4	100	4	100	4	100	12	100
		S	4	100	4	100	4	100	12	100
7	Ernakulam	C	10	100	10	100	10	100	30	100
		S	10	100	10	100	10	100	30	100
8	Thrissur	C	10	100	10	100	10	100	30	100
		S	10	100	10	100	10	100	30	100
9	Palakkad	C	10	100	10	100	10	100	30	100
		S	10	100	10	100	10	100	30	100
10	Malappuram	C	10	100	10	100	10	100	30	100
		S	10	100	10	100	10	100	30	100
11	Kozhikode	C	12	100	8	100	8	100	28	100
		S	12	100	8	100	8	100	28	100
12	Wayanad	C	-	-	4	100	4	100	8	100
		S	-	-	4	100	10	100	14	100
13	Kannur	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	2	100	18	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	100	300	100
		S	100	100	100	100	100	100	300	100

**Table-7(i)**  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING**  
**TO IMPORTANT INPUTS DURING 2017-18**

<b>Rice-Autumn</b>							
<b>Sl. No.</b>	<b>District</b>	<b>Agency</b>	<b>H/T</b>		<b>Percentage of Experiments under various inputs for crops</b>		
					<b>I</b>	<b>HYV</b>	<b>F</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>1</b>	<b>Thiruvananthapuram</b>	<b>C</b>	<b>H</b>	8	100	100	75
		<b>S</b>		8	100	100	87.5
		<b>C</b>	<b>T</b>	8	100	100	75
		<b>S</b>		8	100	100	87.5
<b>2</b>	<b>Kollam</b>	<b>C</b>	<b>H</b>	6	33.33	100	100
		<b>S</b>		6	33.33	100	100
		<b>C</b>	<b>T</b>	6	33.33	100	100
		<b>S</b>		6	33.33	100	100
<b>3</b>	<b>Pathanamthitta</b>	<b>C</b>	<b>H</b>	6	100	100	100
		<b>S</b>		6	100	66.67	66.67
		<b>C</b>	<b>T</b>	6	100	100	100
		<b>S</b>		6	100	66.67	66.67
<b>4</b>	<b>Alappuzha</b>	<b>C</b>	<b>H</b>	6	33.33	100	83.33
		<b>S</b>		6	16.67	100	66.67
		<b>C</b>	<b>T</b>	6	33.33	100	83.33
		<b>S</b>		6	16.67	100	66.67
<b>5</b>	<b>Kottayam</b>	<b>C</b>	<b>H</b>	6	100	100	100
		<b>S</b>		6	100	100	100
		<b>C</b>	<b>T</b>	6	100	100	100
		<b>S</b>		6	100	100	100
<b>6</b>	<b>Idukki</b>	<b>C</b>	<b>H</b>	4	100	100	100
		<b>S</b>		4	100	100	100
		<b>C</b>	<b>T</b>	4	100	100	100
		<b>S</b>		4	100	100	100
<b>7</b>	<b>Ernakulam</b>	<b>C</b>	<b>H</b>	10	30	50	40
		<b>S</b>		10	80	100	100
		<b>C</b>	<b>T</b>	10	30	50	40
		<b>S</b>		10	80	100	100
<b>8</b>	<b>Thrissur</b>	<b>C</b>	<b>H</b>	10		100	100
		<b>S</b>		10		100	80
		<b>C</b>	<b>T</b>	10		100	100
		<b>S</b>		10		100	80

Table-7(i) contd...

**Table-7(i)**  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING**  
**TO IMPORTANT INPUTS DURING 2017-18**  
**Rice-Autumn**

Sl. No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	10		80	70
		S		10	20	90	80
		C	T	10		80	70
		S		10	20	90	80
10	Malappuram	C	H	10		90	90
		S		10		70	80
		C	T	10		90	90
		S		10		70	80
11	Kozhikode	C	H	12	8.33	75	33.33
		S		12		58.33	50
		C	T	8	8.33	75	33.33
		S		8		58.33	50
12	Wayanad	C	H	-			
		S		-			
		C	T	4			
		S		4			
13	Kannur	C	H	8		87.5	75
		S		8		87.5	87.5
		C	T	8		87.5	75
		S		8		87.5	87.5
14	Kasargod	C	H	4		75	100
		S		4		75	75
		C	T	4		75	100
		S		4		75	75
	For District covered	C	H	100	32	87	77
		S		100	37	87	81
		C	T	100	32	87	77
		S		100	37	87	81

**Table-7(ii)**  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO**  
**IMPORTANT INPUTS DURING 2017-18**  
**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		50	66.67
		S		6	66.67	100	100
		C	T	6		50	66.67
		S		6	66.67	100	100
3	Pathanamthitta	C	H	6	66.67	100	100
		S		6	100	100	100
		C	T	6	66.67	100	100
		S		6	100	100	100
4	Alappuzha	C	H	6	33.33	83.33	83.33
		S		6	33.33	66.67	33.33
		C	T	6	33.33	83.33	83.33
		S		6	33.33	66.67	33.33
5	Kottayam	C	H	6	100	100	100
		S		6	100	100	100
		C	T	6	100	100	100
		S		6	100	100	100
6	Idukki	C	H	4	100	100	100
		S		4	100	50	100
		C	T	4	100	100	100
		S		4	100	50	100
7	Ernakulam	C	H	10	100	100	100
		S		10	100	100	100
		C	T	10	100	100	100
		S		10	100	100	100
8	Thrissur	C	H	10	80	70	100
		S		10	80	100	100
		C	T	10	80	70	100
		S		10	80	100	100
Table-7(ii) contd.....							

**Table-7(ii)**  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING**  
**TO IMPORTANT INPUTS DURING 2017-18**

**Rice-Winter**

Sl. No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	10	100	100	90
		S		10	100	90	90
		C	T	10	100	100	90
		S		10	100	90	90
10	Malappuram	C	H	10	70	40	70
		S		10	40	70	90
		C	T	10	70	40	70
		S		10	40	70	90
11	Kozhikode	C	H	8			25
		S		8			25
		C	T	8			25
		S		8			25
12	Wayanad	C	H	4	100	75	75
		S		4	100	75	75
		C	T	4	100	75	75
		S		4	100	75	75
13	Kannur	C	H	8	75	50	87.5
		S		8	100	62.5	75
		C	T	8	75	50	87.5
		S		8	100	62.5	75
14	Kasargod	C	H	4	100	75	100
		S		4	100	50	75
		C	T	4	100	75	100
		S		4	100	50	75
For Districts covered		C	H	100	73	73	85
		S		100	78	78	84
		C	T	100	73	73	85
		S		100	78	78	84

**Table-7(iii)**  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING**  
**TO IMPORTANT INPUTS DURING 2017-18**

**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	87.5	100	87.5
		S		8	100	100	75
		C	T	8	87.5	100	87.5
		S		8	100	100	75
2	Kollam	C	H	6	16.67	100	100
		S		6	100	100	100
		C	T	6	16.67	100	100
		S		6	100	100	100
3	Pathanamthitta	C	H	6	66.67	100	100
		S		6	100	66.67	100
		C	T	6	66.67	100	100
		S		6	100	66.67	100
4	Alappuzha	C	H	6	100	100	100
		S		6	100	100	100
		C	T	6	100	100	100
		S		6	100	100	100
5	Kottayam	C	H	6	100	100	100
		S		6	100	100	100
		C	T	6	100	100	100
		S		6	100	100	100
6	Idukki	C	H	4	100	100	100
		S		4	100	50	100
		C	T	4	100	100	100
		S		4	100	50	100
7	Ernakulam	C	H	10	100	100	100
		S		10	100	80	70
		C	T	10	100	100	100
		S		10	100	80	70
8	Thrissur	C	H	10	100	100	100
		S		10	100	100	100
		C	T	10	100	100	100
		S		10	100	100	100
Table 7(iii) contd....							



**Table-7(iii)**  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING**  
**TO IMPORTANT INPUTS DURING 2017-18**

**Rice-Summer**

Sl. No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	10	100	90	90
		S		10	100	90	100
		C	T	10	100	90	90
		S		10	100	90	100
10	Malappuram	C	H	10	100	100	70
		S		10	100	80	80
		C	T	10	100	100	70
		S		10	100	80	80
11	Kozhikode	C	H	8	87.5	37.5	37.5
		S		8	75	87.5	87.5
		C	T	8	87.5	37.5	37.5
		S		8	75	87.5	87.5
12	Wayanad	C	H	4	50	100	75
		S		10	100	100	90
		C	T	4	50	100	75
		S		4	100	100	90
13	Kannur	C	H	8	100	100	62.5
		S		2	100	100	100
		C	T	8	100	100	62.5
		S		8	100	100	100
14	Kasargod	C	H	4	100	100	100
		S		4	100	100	100
		C	T	4	100	100	100
		S		4	100	100	100
For District covered		C	H	100	89	94	86
		S		100	98	90	91
		C	T	100	89	94	86
		S		100	98	90	91

**Table-7(iv)**  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING**  
**TO IMPORTANT INPUTS DURING 2017-18**

**Tapioca**

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

Table-7(iv)  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING  
 TO IMPORTANT INPUTS DURING 2017-18**  
**Tapioca**

Sl. No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	4	50	75	25
		S		4	25	50	
		C	T	4	50	75	25
		S		4	25	50	
10	Malappuram	C	H	4	50	50	25
		S		4	75	50	25
		C	T	4	50	50	25
		S		4	75	50	25
11	Kozhikode	C	H	4	100	100	25
		S		4	75	50	50
		C	T	4	100	100	25
		S		4	75	50	50
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4	25		25
		S		4			25
		C	T	4	25		25
		S		4			25
14	Kasargod	C	H	4			
		S		4	25		25
		C	T	4			
		S		4	25		25
For District covered		C	H	40	37	45	30
		S		40	35	30	20
		C	T	40	37	45	30
		S		40	35	30	20

**Table-7(v)**  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING**  
**TO IMPORTANT INPUTS DURING 2017-18**  
**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	75	50	
		S		4	50	75	
		C	T	4	75	50	
		S		4	50	75	
2	Kollam	C	H	4			
		S		4			
		C	T	4			
		S		4			
3	Pathanamthitta	C	H				
		S					
		C	T				
		S					
4	Alappuzha	C	H				
		S					
		C	T				
		S					
5	Kottayam	C	H	4	25		
		S		4			
		C	T	4	25		
		S		4			
6	Idukki	C	H				
		S					
		C	T				
		S					
7	Ernakulam	C	H	4	50	25	
		S		4		75	
		C	T	4	50	25	
		S		4		75	
8	Thrissur	C	H	4	50	75	
		S		4	50		
		C	T	4	50	75	
		S		4	50		
To be contd....							

**Table-7(v)**  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING**  
**TO IMPORTANT INPUTS DURING 2017-18**  
**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	50	25	
		C	T	4	25	50	
		S		4	50	25	
10	Malappuram	C	H	4	50	100	
		S		4	100	75	25
		C	T	4	50	100	
		S		4	100	75	25
11	Kozhikode	C	H	4	50		
		S		4		50	
		C	T	4	50		
		S		4		50	
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4	25	100	
		S		4	100	100	
		C	T	4	25	100	
		S		4	100	100	
14	Kasargod	C	H	4	50		
		S		4	75	50	
		C	T	4	50		
		S		4	75	50	
For District covered		C	H	40	40	40	
		S		40	42.5	45	2.5
		C	T	40	40	40	
		S		40	42.5	45	2.5

**Table-7(vi)**  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING**  
**TO IMPORTANT INPUTS DURING 2017-18**

**Banana**

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

**Table-7(vi) contd...**

**Table-7(vi)**  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING**  
**TO IMPORTANT INPUTS DURING 2017-18**  
**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	66.67	16.67	100
		S		6	100	66.67	66.67
		C	T	6	66.67	16.67	100
		S		6	100	66.67	66.67
10	Malappuram	C	H	4	75		50
		S		4	100		100
		C	T	4	75		50
		S		4	100		100
11	Kozhikode	C	H	4	75	50	50
		S		4	100		75
		C	T	4	75	50	50
		S		4	100		75
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4	100		75
		S		4	75		25
		C	T	4	100		75
		S		4	75		25
14	Kasargod	C	H	4	100		100
		S		4	100		
		C	T	4	100		100
		S		4	100		
For District covered		C	H	50	70	6	66
		S		50	92	16	50
		C	T	50	70	6	66
		S		50	92	16	50

**Table-7(vii)**  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING**  
**TO IMPORTANT INPUTS DURING 2017-18**

**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			
		C	T	4			
		S		4			
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	Alappuzha	C	H	4			
		S		4			
		C	T	4			
		S		4			
5	Kottayam	C	H	4			25
		S		4			
		C	T	4			25
		S		4			
6	Idukki	C	H	4		100	
		S		4		100	
		C	T	4			
		S		4		100	
7	Ernakulam	C	H	4	25		25
		S		4			
		C	T	4	25		25
		S		4			
8	Thrissur	C	H	4	75		
		S		4	75		
		C	T	4	75		
		S		4	75		
Table-7(vii) contd....							



**Table-7(vii)**  
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING**  
**TO IMPORTANT INPUTS DURING 2017-18**

**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			33.33
		S		6	33.33		33.33
		C	T	6			33.33
		S		6	33.33		33.33
10	Malappuram	C	H	4	50		25
		S		4	100		
		C	T	4	50		25
		S		4	100		
11	Kozhikode	C	H	4	25		
		S		4			
		C	T	4	25		
		S		4			
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4	25		25
		S		4	100		50
		C	T	4	25		25
		S		4	100		50
14	Kasargod	C	H	4			
		S		4	100		
		C	T	4			
		S		4	100		
For District covered		C	H	50	16		14
		S		50	34	8	10
		C	T	50	16		14
		S		50	34	8	10

Table-7(viii)							
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2017-18							
Arecanut							
Sl. No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	4			
		S		4			
		C	T	4			
		S		4			
2	Kollam	C	H	4		25	
		S		4			
		C	T	4		25	
		S		4			
3	Pathanamthitta	C	H				
		S					
		C	T				
		S					
4	Alappuzha	C	H				
		S					
		C	T				
		S					
5	Kottayam	C	H	4		50	25
		S		4		50	
		C	T	4		50	25
		S		4		50	
6	Idukki	C	H				
		S					
		C	T				
		S					
7	Ernakulam	C	H	4		25	
		S		4	25	25	
		C	T	4		25	
		S		4	25	25	
8	Thrissur	C	H	4	100		
		S		4	100		
		C	T	4	100		
		S		4	100		
Table 7(iii) contd...							

<b>Table-7(viii)</b>							
<b>DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2017-18</b>							
<b>Arecanut</b>							
<b>Sl. No.</b>	<b>District</b>	<b>Agency</b>	<b>H/T</b>		<b>Percentage of Experiments under various inputs for crops</b>		
					<b>I</b>	<b>HYV</b>	<b>F</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>9</b>	<b>Palakkad</b>	<b>C</b>	<b>H</b>	4	50		50
		<b>S</b>		4	50		
		<b>C</b>	<b>T</b>	4	50		50
		<b>S</b>		4	50		
<b>10</b>	<b>Malappuram</b>	<b>C</b>	<b>H</b>	4	50		25
		<b>S</b>		4	75		
		<b>C</b>	<b>T</b>	4	50		25
		<b>S</b>		4	75		
<b>11</b>	<b>Kozhikode</b>	<b>C</b>	<b>H</b>	4	25		
		<b>S</b>		4	25	25	
		<b>C</b>	<b>T</b>	4	25		
		<b>S</b>		4	25	25	
<b>12</b>	<b>Wayanad</b>	<b>C</b>	<b>H</b>				
		<b>S</b>					
		<b>C</b>	<b>T</b>				
		<b>S</b>					
<b>13</b>	<b>Kannur</b>	<b>C</b>	<b>H</b>	4			
		<b>S</b>		4	50		
		<b>C</b>	<b>T</b>	4			
		<b>S</b>		4	50		
<b>14</b>	<b>Kasargod</b>	<b>C</b>	<b>H</b>	4	100		
		<b>S</b>		4	100		
		<b>C</b>	<b>T</b>	4	100		
		<b>S</b>		4	100		
	<b>For District covered</b>	<b>C</b>	<b>H</b>	<b>40</b>	<b>32.5</b>	<b>10</b>	<b>10</b>
		<b>S</b>		<b>40</b>	<b>42.5</b>	<b>10</b>	
		<b>C</b>	<b>T</b>	<b>40</b>	<b>32.5</b>	<b>10</b>	<b>10</b>
		<b>S</b>		<b>40</b>	<b>42.5</b>	<b>10</b>	

**Annual review of crop statistics 2017-18**

<b>Table 8(i)</b>							
<b>CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED</b>							
<b>STATE: KERALA</b>		<b>SEASON:AUTUMN</b>		<b>YEAR:2017-18</b>		<b>CROP:PADDY</b>	
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	Alappuzha	6	6				
5	Kottayam	6	6				
6	Idukki	4	4				
7	Ernakulam	10	10				
8	Thrissur	10	10				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	12				
12	Wayanad	4	*				
13	Kannur	8	8				
14	Kasargod	4	4				
<b>Total for all crops</b>		<b>100</b>	<b>100</b>				
*Autumn Paddy nil							

**Annual review of crop statistics 2017-18**

Table 8(ii)							
CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED							
STATE: KERALA		YEAR:2017-18		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	Alappuzha	6	6				
5	Kottayam	6	6				
6	Idukki	4	4				
7	Ernakulam	10	10				
8	Thrissur	10	10				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	12				
12	Wayanad	4	*				
13	Kannur	8	8				
14	Kasargod	4	4				
Total for all crops		100	100				
*Autumn Paddy nil							

**Annual review of crop statistics 2017-18**

**Table 8(iii)**  
**ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES**

**STATE: KERALA**

**YEAR: 2017-18**

**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	4005.63	0	0	8	4005.63	0	0	0	0	0	0	8	4005.63	0	0	8	4005.63
2	Kollam	6	2	2333.34	4	3690.15	6	3237.88	0	0	0	0	0	0	2	2333.34	4	3690.15	6	3237.88
3	Pathanamthitta	6	4	1925.52	0	0	4	1925.52	2	2879.6	0	0	2	2879.6	6	2243.55	0	0	6	2243.55
4	Alappuzha	6	1	0.04	5	1849.42	6	1541.19	0	0	0	0	0	0	1	0.04	5	1849.42	6	1541.19
5	Kottayam	6	6	3149.85	0	0	6	3149.85	0	0	0	0	0	0	6	3149.85	0	0	6	3149.85
6	Idukki	4	4	3375.12	0	0	4	3375.12	0	0	0	0	0	0	4	3375.12	0	0	4	3375.12
7	Ernakulam	10	8	2913.3	2	4339.8	10	3198.6	0	0	0	0	0	0	8	2913.3	2	4339.8	10	3198.6
8	Thrissur	10	0	0	10	2763.9	10	2763.9	0	0	0	0	0	0	0	0	10	2763.9	10	2763.9
9	Palakkad	10	2	4927.14	7	4483.13	9	4581.8	0	0	1	2250.6	1	2250.6	2	4927.14	8	4204.07	10	4348.68
10	Malappuram	10	0	0	7	2719.85	7	2719.85	0	0	3	1256.12	3	1256.12	0	0	10	2280.73	10	2280.73
11	Kozhikode	12	0	0	7	1258.19	7	1258.19	0	0	5	1137.75	5	1137.75	0	0	12	1208	12	1208
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	7	3604.51	7	3604.51	0	0	1	2216.46	1	2216.46	0	0	8	3431.01	8	3431.01
14	Kasargod	4	0	0	3	4248.72	3	4248.72	0	0	1	2309.58	1	2309.58	0	0	4	3763.94	4	3763.94
State Total		100	35	3142.12	52	3029.47	87	3074.79	2	2879.6	11	1475.79	13	1691.76	37	3127.93	63	2758.19	100	2894.99

**Annual review of crop statistics 2017-18**

**Table 8(iv)**

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

STATE: KERALA																				
YEAR: 2017-18																				
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	3807.4	0	0	8	3807.4	0	0	0	0	0	0	8	3807.4	0	0	8	3807.4
2	Kollam	6	2	3763.99	4	2833.61	6	3143.74	0	0	0	0	0	0	2	3763.99	4	2833.61	6	3143.74
3	Pathanamthitta	6	6	2316.83	0	0	6	2316.83	0	0	0	0	0	0	6	2316.83	0	0	6	2316.83
4	Alappuzha	6	2	5766.56	4	1284.32	6	2778.4	0	0	0	0	0	0	2	5766.56	4	1284.32	6	2778.4
5	Kottayam	6	6	3465.14	0	0	6	3465.14	0	0	0	0	0	0	6	3465.14	0	0	6	3465.14
6	Idukki	4	4	3687.04	0	0	4	3687.04	0	0	0	0	0	0	4	3687.04	0	0	4	3687.04
7	Ernakulam	10	3	3914.4	2	3855.6	5	3890.88	0	0	5	929.66	5	929.66	3	3914.4	7	1765.65	10	2410.27
8	Thrissur	10	0	0	10	2696.93	10	2696.93	0	0	0	0	0	0	0	0	10	2696.93	10	2696.93
9	Palakkad	10	0	0	8	3210.83	8	3210.83	0	0	2	1592.16	2	1592.16	0	0	10	2887.09	10	2887.09
10	Malappuram	10	0	0	9	2725.93	9	2725.93	0	0	1	2771.4	1	2771.4	0	0	10	2730.48	10	2730.48
11	Kozhikode	12	1	3363.52	8	1800.12	9	1973.83	0	0	3	872.57	3	872.57	1	3363.52	11	1547.15	12	1698.52
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	7	3861.94	7	3861.94	0	0	1	1369.52	1	1369.52	0	0	8	3550.39	8	3550.39
14	Kasargod	4	0	0	3	4716.18	3	4716.18	0	0	1	4006.8	1	4006.8	0	0	4	4538.84	4	4538.84
State Total		100	32	3564.59	55	2853.73	87	3115.2	0	0	13	1430.62	13	1430.62	32	3564.59	68	2581.67	100	2896.2

Table 8(v)

**CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS**  
**STATE:KERALA YEAR:2017-18 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	4005.63	0	0	7	7	7	7	4534.66	57.97	28.83	46.07	1	302.42
2	Kollam	6	3237.88	2	2333.34	6	6	6	6	3237.88	35.63	11.25	25.22	0	0
3	Pathanamthitta	6	2243.55	0	0	4	4	4	4	1925.52	60	25	30	2	2879.60
4	Alappuzha	6	1541.19	3	1073.35	4	4	3	4	1355.72	39	18.25	37	2	1427.84
5	Kottayam	6	3149.85	5	3388.33	6	5	5	6	3149.85	66.51	33.28	42.52	0	0
6	Idukki	4	3375.12	1	1224.62	4	4	3	4	3375.12	74.25	42.75	26	0	0
7	Ernakulam	10	3198.6	4	2898	10	10	9	10	3198.6	35.87	21.99	25.87	0	0
8	Thrissur	10	2763.9	4	3369.78	7	6	6	8	3089.04	23.2	12.43	21.28	2	1463.35
9	Palakkad	10	4348.68	2	5003.4	8	8	8	8	4714.64	70.45	33.95	86.73	2	2884.86
10	Malappuram	10	2280.73	0	0	8	5	5	8	2325.93	33.61	27.98	37.2	2	2099.94
11	Kozhikode	12	1208.00	4	1863.65	4	3	4	6	1282.04	32.18	25.4	89.3	6	1133.97
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	3431.01	0	0	7	6	2	7	3488.16	43.77	22.73	57.5	1	3030.96
14	Kasargod	4	3763.94	0	0	3	3	3	3	4248.72	39.54	39.54	39.54	1	2309.58
State Total		100	2894.99	25	2743.42	78	71	65	81	3142.87	47.08	26.41	43.4	19	1787.26



**Annual review of crop statistics 2017-18**

**Table 8(v)**

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

**STATE:KERALA**

**YEAR:2017-18**

**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
<b>1</b>	<b>2</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>
<b>1</b>	<b>Thiruvananthapuram</b>	0	0	7	4534.66	1	302.42	7	4534.66	1	302.42	7	4534.66
<b>2</b>	<b>Kollam</b>	0	0	4	3690.15	2	2333.34	4	3690.15	0	0	6	3237.88
<b>3</b>	<b>Pathanamthitta</b>	2	2879.60	6	2243.55	0	0	4	1925.52	0	0	6	2243.55
<b>4</b>	<b>Alappuzha</b>	0	0	1	2202.85	5	1408.86	1	2202.85	2	1912.13	4	1355.72
<b>5</b>	<b>Kottayam</b>	0	0	1	1957.47	5	3388.33	1	1957.47	0	0	6	3149.85
<b>6</b>	<b>Idukki</b>	0	0	3	4091.96	1	1224.62	3	4091.96	0	0	4	3375.12
<b>7</b>	<b>Ernakulam</b>	0	0	6	3399	4	2898	6	3399	0	0	10	3198.6
<b>8</b>	<b>Thrissur</b>	1	1021.2	5	2450.88	5	3076.92	4	2808.3	1	1905.5	9	2859.28
<b>9</b>	<b>Palakkad</b>	2	2884.86	8	4185	2	5003.4	6	4618.38	0	0	10	4348.68
<b>10</b>	<b>Malappuram</b>	1	1930.68	9	2282.01	1	2269.2	8	2325.93	1	2269.2	9	2282.01
<b>11</b>	<b>Kozhikode</b>	5	1093.88	7	964.14	5	1549.41	2	639.8	1	1334.44	11	1196.51
<b>12</b>	<b>Wayanad</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>13</b>	<b>Kannur</b>	1	3030.96	8	3431.01	0	0	7	3488.16	0	0	8	3431.01
<b>14</b>	<b>Kasargod</b>	1	2309.58	4	3763.94	0	0	3	4248.72	0	0	4	3763.94
<b>State Total</b>		<b>13</b>	<b>1945.44</b>	<b>69</b>	<b>3077.1</b>	<b>31</b>	<b>2489.66</b>	<b>56</b>	<b>3339.81</b>	<b>6</b>	<b>1605.97</b>	<b>94</b>	<b>2977.27</b>

**Annual review of crop statistics 2017-18**

Table 8(vi)															
CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS															
STATE:KERALA				YEAR:2017-18				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	Exclusive Total	Yield Rate	N	P	K		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvanantha-puram	8	3807.4	0	0	6	6	6	6	3783.89	55.17	24.33	23.67	2	3877.93
2	Kollam	6	3143.74	2	2296.42	6	4	6	6	3143.74	27	12.5	22.5	0	0
3	Pathanamthitta	6	2316.83	1	2702.48	6	6	6	6	2316.83	57.83	25.33	42.67	0	0
4	Alappuzha	6	2778.4	3	4151.04	5	5	4	5	2855.68	76	36.6	46.5	1	2392
5	Kottayam	6	3465.14	4	4326.71	6	6	6	6	3465.14	61.5	31.5	47.67	0	0
6	Idukki	4	3687.04	0	0	4	4	4	4	3687.04	49.25	28.75	38.25	0	0
7	Ernakulam	10	2410.27	3	3622.8	4	4	4	4	3797.1	80.75	55.25	29	6	1485.72
8	Thrissur	10	2696.93	2	1787.1	10	8	10	10	2696.93	42.4	23.63	43.3	0	0
9	Palakkad	10	2887.09	3	3390.16	7	6	5	7	3078.57	47.86	24	51	3	2440.32
10	Malappuram	10	2730.48	3	2215.88	9	7	6	9	2725.93	71.33	31.29	52	1	2771.4
11	Kozhikode	12	1698.52	1	204.74	4	4	2	4	1604.98	15.75	15.75	35.5	8	1745.28
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	3550.39	3	3968.00	6	5	5	6	3670.67	44.27	31.36	58.28	2	3189.54
14	Kasargod	4	4538.84	0	0	3	3	4	4	4538.84	19.33	19.33	24.5	0	0
State Total		100	2896.2	25	3216.99	76	68	68	77	3118.5	49.88	27.66	39.6	23	2152

**Annual review of crop statistics 2017-18**

<b>Table 8(vi)</b> <b>CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS</b> <b>STATE:KERALA                      YEAR:2017-18                      SEASON:AUTUMN PADDY                      CENTRAL SAMPLE</b>													
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	3877.93	8	3807.39	0	0	6	3783.89	0	0	8	3807.39
2	Kollam	0	0	4	3567.39	2	2296.42	4	3567.4	0	0	6	3143.74
3	Pathanamthitta	0	0	5	2239.69	1	2702.48	5	2239.7	0	0	6	1296.46
4	Alappuzha	1	2392	3	1405.76	3	4151.04	2	912.64	0	0	6	2778.4
5	Kottayam	0	0	2	1742.00	4	4326.71	2	1742	0	0	6	3465.14
6	Idukki	0	0	4	3687.04	0	0	4	3687.04	0	0	4	3687.04
7	Ernakulam	0	0	1	4320	9	2198.08	1	4320	6	1485.72	4	3797.1
8	Thrissur	0	0	8	2924.39	2	1787.1	8	2924.39	0	0	10	2696.93
9	Palakkad	3	2440.32	7	2671.49	3	3390.16	4	2844.87	0	0	10	2887.09
10	Malappuram	0	0	6	2980.96	4	2354.76	6	2980.96	1	2771.4	9	2725.93
11	Kozhikode	3	1205.26	6	1638.5	6	1758.54	3	2071.73	5	2069.3	7	1433.67
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	3189.54	5	3299.82	3	3968.00	3	3373.34	0	0	8	3550.39
14	Kasargod	0	0	4	4538.84	0	0	4	4538.84	0	0	4	4538.84
State Total		11	2496.7	63	2970.85	37	2769.11	52	3071.15	12	1836.02	88	2971.2

**Annual review of crop statistics 2017-18**

**Table 9(i)**

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

**STATE:KERALA**

**YEAR:2017-18**

**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	Alappuzha	6	6				
5	Kottayam	6	6				
6	Idukki	4	4				
7	Ernakulam	10	10				
8	Thrissur	10	10				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	8				
12	Wayanad	4	4				
13	Kannur	8	8				
14	Kasargod	4	4				
<b>Total for all crops</b>		<b>100</b>	<b>100</b>				

**Annual review of crop statistics 2017-18**

**Table 9(ii)**

Table 9(ii)							
CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED							
STATE:KERALA		YEAR:2017-18		CENTRAL SAMPLE			
SEASON:WINTER				CROP:PADDY			
Sl.No.	Distrcet	No. of Experiments		At post Harvest	Lost	Rejected for Analysis	For which schedules are not received
		Planned	Checked at Harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	6	6				
4	Alappuzha	6	6				
5	Kottayam	6	6				
6	Idukki	4	4				
7	Ernakulam	10	10				
8	Thrissur	10	10				
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 2017-18**

Table 9(iii)																				
ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARITIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES																				
STATE: KERALA			YEAR: 2017-18						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	4284.59	0	0	8	4284.59	0	0	0	0	0	0	8	4284.59	0	0	8	4284.59
2	Kollam	6	4	3555.92	2	3843.57	6	3651.8	0	0	0	0	0	0	4	3555.92	2	3843.57	6	3651.8
3	Pathanamthitta	6	6	3813.66	0	0	6	3813.66	0	0	0	0	0	0	6	3813.66	0	0	6	3813.66
4	Alappuzha	6	2	2730.16	2	1277.1	4	2003.63	0	0	2	191.28	2	191.28	2	2730.16	4	734.19	6	1399.51
5	Kottayam	6	6	2552.59	0	0	6	2552.59	0	0	0	0	0	0	6	2552.59	0	0	6	2552.59
6	Idukki	4	2	3753.6	0	0	2	3753.6	2	5402.24	0	0	2	5402.24	4	4577.92	0	0	4	4577.92
7	Ernakulam	10	10	4054.99	0	0	10	4054.99	0	0	0	0	0	0	10	4054.99	0	0	10	4054.99
8	Thrissur	10	8	4323.08	2	3301.14	10	4118.69	0	0	0	0	0	0	8	4323.08	2	3301.14	10	4118.69
9	Palakkad	10	9	4031.64	0	0	9	4031.64	1	2542.85	0	0	1	2542.85	10	3882.76	0	0	10	3882.76
10	Malappuram	10	4	3930.24	3	4031.21	7	3973.52	0	0	3	2891.69	3	2891.69	4	3930.24	6	3461.45	10	3648.97
11	Kozhikode	8	0	0	0	0	0	0	0	0	8	1065.69	8	1065.69	0	0	8	1065.69	8	1065.69
12	Wayanad	4	3	1735.98	0	0	3	1735.98	1	2672.64	0	0	1	2672.64	4	1970.14	0	0	4	1970.14
13	Kannur	8	5	4181.67	0	0	5	4181.67	3	1744.2	0	0	3	1744.2	8	3267.62	0	0	8	3267.62
14	Kasargod	4	2	1183.14	0	0	2	1183.14	2	2812.32	0	0	2	2812.32	4	1997.73	0	0	4	1997.73
State Total		100	69	3699.83	9	3215.25	78	3643.92	9	2986.36	13	1352.55	22	2020.93	78	3617.51	22	2114.57	100	3286.86

**Annual review of crop statistics 2017-18**

<b>Table 9(iv)</b>																				
<b>ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARITIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES</b>																				
<b>STATE: KERALA</b>			<b>YEAR: 2017-18</b>						<b>SEASON: WINTER PADDY</b>						<b>CENTRAL SAMPLE</b>					
<b>Sl No.</b>	<b>District</b>	<b>No. of Expts. Checked at Harvest</b>	<b>HY Varieties</b>						<b>Other Varieties</b>						<b>Both HY &amp; Others</b>					
			<b>Irrigated</b>		<b>Un -Irrigated</b>		<b>Total</b>		<b>Irrigated</b>		<b>Un -Irrigated</b>		<b>Total</b>		<b>Irrigated</b>		<b>Un -Irrigated</b>		<b>Total</b>	
			<b>No. of Expts</b>	<b>Yield Rate Kg/Ha</b>	<b>No. of Expts</b>	<b>Yield Rate Kg/Ha</b>	<b>No. of Expts</b>	<b>Yield Rate Kg/Ha</b>	<b>No. of Expts</b>	<b>Yield Rate Kg/Ha</b>	<b>No. of Expts</b>	<b>Yield Rate Kg/Ha</b>	<b>No. of Expts</b>	<b>Yield Rate Kg/Ha</b>	<b>No. of Expts</b>	<b>Yield Rate Kg/Ha</b>	<b>No. of Expts</b>	<b>Yield Rate Kg/Ha</b>	<b>No. of Expts</b>	<b>Yield Rate Kg/Ha</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>
1	Thiruvananthapuram	8	8	5094.01	0	0	8	5094.01	0	0	0	0	0	0	8	5094.01	0	0	8	5094.01
2	Kollam	6	0	0	3	1105.66	3	1105.66	0	0	3	3017.14	3	3017.14	0	0	6	2061.4	6	2061.4
3	Pathanamthitta	6	4	4585.9	2	3065.83	6	4079.21	0	0	0	0	0	0	4	4585.9	2	3065.83	6	4079.21
4	Alappuzha	6	2	4877.58	3	1381.16	5	2779.73	0	0	1	2122.82	1	2122.82	2	4877.58	4	1566.58	6	2670.24
5	Kottayam	6	6	3962.62	0	0	6	3962.62	0	0	0	0	0	0	6	3962.62	0	0	6	3962.62
6	Idukki	4	4	3740.72	0	0	4	3740.72	0	0	0	0	0	0	4	3740.72	0	0	4	3740.72
7	Ernakulam	10	10	3817.05	0	0	10	3817.05	0	0	0	0	0	0	10	3817.05	0	0	10	3817.05
8	Thrissur	10	7	3146.43	0	0	7	3146.43	1	3023.41	2	1541.53	3	2035.49	8	3131.05	2	1541.53	10	2813.15
9	Palakkad	10	10	4079.91	0	0	10	4079.91	0	0	0	0	0	0	10	4079.91	0	0	10	4079.91
10	Malappuram	10	4	2740.08	0	0	4	2740.08	3	1822.99	3	2293.96	6	2058.48	7	2347.04	3	2293.96	10	2331.12
11	Kozhikode	8	0	0	0	0	0	0	0	0	8	1302	8	1302	0	0	8	1302	8	1302
12	Wayanad	4	3	5287.25	0	0	3	5287.25	1	3474.43	0	0	1	3474.43	4	4834.04	0	0	4	4834.04
13	Kannur	8	4	1834.16	0	0	4	1834.16	2	2552.04	2	1417.39	4	1984.72	6	2073.46	2	1417.39	8	1909.44
14	Kasargod	4	3	4328.1	0	0	3	4328.1	1	4350.78	0	0	1	4350.78	4	4333.77	0	0	4	4333.77
State Total		100	65	3934.26	8	1699.02	73	3689.3	8	2677.71	19	1810	27	2067.1	73	3796.56	27	1777.11	100	3251.31

**Annual review of crop statistics 2017-18**

**Table 9(v)**

Table 9(v)															
CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS															
STATE: KERALA				YEAR: 2017-18				SEASON: WINTER PADDY				STATE SAMPLE			
Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers							Expts. Not treated with Fertilizers		
		No.	Yield Rate	No.	Yield Rate	No. of Expts.					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	4284.59	1	2624.16	8	7	6	8	4284.59	50.3	22.04	38.81	0	0
2	Kollam	6	3651.8	2	2385.6	6	6	6	6	3651.80	52.4	23.16	34.03	0	0
3	Pathanamthitta	6	3813.66	4	3631.32	6	6	6	6	3813.66	54.36	29.44	45.34	0	0
4	Alappuzha	6	1399.51	2	2730.16	2	2	2	2	2730.16	47	25	2	4	734.19
5	Kottayam	6	2552.59	5	2609.5	6	6	5	6	2552.59	69.75	36.98	35.2	0	0
6	Idukki	4	4577.92	3	4249.17	4	3	2	4	4577.92	58.4	43	26	0	0
7	Ernakulam	10	4054.99	5	3328.18	10	10	9	10	3355.65	36.57	23.19	30.79	0	0
8	Thrissur	10	4118.69	4	4189.34	10	9	9	10	4118.69	36.59	23.03	36.6	0	0
9	Palakkad	10	3882.76	7	3439.66	9	8	7	9	4031.64	94.78	51.5	55.14	1	2542.85
10	Malappuram	10	3648.97	0	0	9	7	6	9	3933.04	43.25	32.86	42.32	1	1092.3
11	Kozhikode	8	1065.69	0	0	2	1	0	2	610.84	40.25	24	0	6	1217.31
12	Wayanad	4	1970.14	2	3116.22	3	3	3	3	2968.36	36.67	46	18	1	2275.46
13	Kannur	8	3267.62	0	0	6	5	2	6	3851.93	21.02	46	46	2	1514.7
14	Kasargod	4	1997.73	0	0	3	3	1	3	1636.74	44.46	44.46	44.46	1	3080.7
State Total		100	3286.86	35	3339.55	84	76	64	84	3603.94	48.99	33.62	34.98	16	1391.33
contd...															



**Annual review of crop statistics 2017-18**

Table 9(v)													
CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS													
STATE: KERALA				YEAR: 2017-18				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	7	4521.79	1	2624.16	7	4521.79	0	0	8	4284.59
2	Kollam	0	0	4	4284.9	2	2385.6	4	4284.9	0	0	6	3651.8
3	Pathanamthitta	0	0	2	4178.33	4	3631.32	2	4178.33	0	0	6	2420.88
4	Alappuzha	2	1277.1	2	1277.1	4	1460.72	0	0	2	191.28	4	2003.63
5	Kottayam	0	0	1	2268.02	5	2609.5	1	2268.02	0	0	6	2552.59
6	Idukki	0	0	1	5564.16	3	4249.17	1	5564.16	0	0	4	4577.92
7	Ernakulam	0	0	5	3383.12	5	3328.18	5	3383.12	0	0	10	3355.65
8	Thrissur	0	0	6	4071.59	4	4189.34	6	4071.6	0	0	10	4118.69
9	Palakkad	1	2542.85	3	4916.68	7	3439.67	2	6103.59	0	0	10	3882.76
10	Malappuram	0	0	9	3933.04	1	1092.30	9	3933.04	1	1092.30	9	3933.04
11	Kozhikode	3	936.49	5	806.23	3	1498.14	2	610.84	3	1498.14	5	806.23
12	Wayanad	0	0	1	2672.64	3	2835.97	1	2672.64	1	2275.46	3	2968.36
13	Kannur	2	1514.7	8	3267.62	0	0	6	3851.93	0	0	8	3267.62
14	Kasargod	1	3080.7	4	1997.73	0	0	3	1636.74	0	0	4	1997.73
State Total		9	1557.4	58	3445.92	42	2979.26	49	3792.79	7	1177.82	93	3316.03

**Annual review of crop statistics 2017-18**

Table 9(vi)															
CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS															
STATE: KERALA				YEAR: 2017-18				SEASON: WINTER PADDY				CENTRAL SAMPLE			
Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers							Expts. Not treated with Fertilizers		
		No.	Yield Rate	No.	Yield Rate	No. of Expts.					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	5094.01	0	0	8	8	8	8	5094.01	67	41.5	61.8	0	0
2	Kollam	6	2061.4	0	0	4	3	2	4	2767.9	28	15.7	35	2	648.4
3	Pathanamthitta	6	4079.21	4	4585.9	6	6	6	6	4079.2	74.7	33.2	56.5	0	0
4	Alappuzha	6	2670.24	3	3959.3	5	4	5	5	3162.7	81	36.5	42	1	208.12
5	Kottayam	6	3962.62	2	2916.5	6	6	6	6	3962.6	83	50.5	83	0	0
6	Idukki	4	3740.72	3	4148.6	4	4	3	4	3740.7	38.3	18.8	34	0	0
7	Ernakulam	10	3817.05	6	3857.4	10	10	5	10	3817.1	55.8	40.7	42.4	0	0
8	Thrissur	10	2813.15	2	2788.5	10	10	10	10	2813.1	44.1	21.6	36.3	0	0
9	Palakkad	10	4079.91	4	3455.7	9	8	7	9	4115.7	58.6	31.5	49.9	1	3757.5
10	Malappuram	10	2331.12	1	3224.7	7	4	3	7	1746.8	45.7	31.3	54.7	3	3694.4
11	Kozhikode	8	1302	1	3418.4	2	2	1	2	2204.2	41	22	49	6	1001.2
12	Wayanad	4	4834.04	1	4476.7	3	2	3	3	3788.7	51	38.7	38.7	1	3474.4
13	Kannur	8	1909.44	2	2621.8	7	6	4	7	2102.5	44.6	38	62.8	1	558.14
14	Kasargod	4	4333.77	0	0	4	4	2	4	4333.8	36.5	28	31	0	0
State Total		100	3251.31	29	3703.7	85	77	65	85	3461.8	53.5	32	48.4	15	1759.1
contd...															

**Annual review of crop statistics 2017-18**

**Table 9(vi)**

<b>CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS</b>													
<b>STATE: KERALA</b>		<b>YEAR: 2017-18</b>						<b>SEASON: WINTER PADDY</b>				<b>CENTRAL SAMPLE</b>	
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	<b>Thiruvananthapuram</b>	0	0	8	5094	0	0	8	5094	0	0	8	5094
2	<b>Kollam</b>	1	187.4	5	2251.8	1	1109.4	4	2767.9	1	1109.41	5	2251.8
3	<b>Pathanamthitta</b>	0	0	2	3065.8	4	4585.9	2	3065.8	0	0	6	4079.2
4	<b>Alappuzha</b>	1	208.1	3	1381.2	3	3959.3	2	1967.7	0	0	6	2670.2
5	<b>Kottayam</b>	0	0	4	4485.7	2	2916.5	4	4485.7	0	0	6	3962.6
6	<b>Idukki</b>	0	0	1	2517.1	3	4148.6	1	2517.1	0	0	4	3740.7
7	<b>Ernakulam</b>	0	0	4	3756.5	6	3857.4	4	3756.5	0	0	10	3817.1
8	<b>Thrissur</b>	0	0	8	2819.3	2	2788.5	8	2819.3	0	0	10	2813.1
9	<b>Palakkad</b>	0	0	5	4643.7	5	3516.1	5	4643.7	1	3757.51	9	4115.7
10	<b>Malappuram</b>	3	3694	9	2231.8	1	3224.7	6	1500.5	0	0	10	2331.1
11	<b>Kozhikode</b>	4	887.3	5	907.85	3	1958.6	1	990.04	2	1229.14	6	1326.3
12	<b>Wayanad</b>	1	3474	3	4946.9	1	0	2	5683.1	0	0	4	4829.3
13	<b>Kannur</b>	1	558.1	6	1672	2	2621.8	5	1894.8	0	0	8	1909.4
14	<b>Kasargod</b>	0	0	4	4333.8	0	0	4	4333.8	0	0	4	4333.8
<b>State Total</b>		<b>11</b>	<b>1733</b>	<b>67</b>	<b>3140</b>	<b>33</b>	<b>3341.1</b>	<b>56</b>	<b>3416.4</b>	<b>4</b>	<b>1831.3</b>	<b>96</b>	<b>3310.3</b>

**Annual review of crop statistics 2017-18**

**Table 10(i)**

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

**STATE:KERALA**

**YEAR:2017-18**

**STATE SAMPLE**

**SEASON:SUMMER**

**CROP:PADDY**

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

**Annual review of crop statistics 2017-18**

**Table 10(ii)**

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

**STATE: KERALA**

**YEAR: 2017-18**

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

**Annual review of crop statistics 2017-18**

**Table 10(iii)**

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

STATE: KERALA			YEAR: 2017-18						SEASON: SUMMER PADDY						STATE SAMPLE						
Sl.N o.	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	Thiruvanantha- puram	8	8	2650.26	0	0	8	2650.26	0	0	0	0	0	0	8	2650.26	0	0	8	2650.26	
2	Kollam	6	6	3513.09	0	0	6	3513.09	0	0	0	0	0	0	6	3513.09	0	0	6	3513.09	
3	Pathanamthitta	6	4	4772.27	0	0	4	4772.27	2	2415.4	0	0	2	2415.4	6	3986.65	0	0	6	3986.65	
4	Alappuzha	6	6	4721.67	0	0	6	4721.67	0	0	0	0	0	0	6	4721.67	0	0	6	4721.67	
5	Kottayam	6	6	4116.73	0	0	6	4116.73	0	0	0	0	0	0	6	4116.73	0	0	6	4116.73	
6	Idukki	4	2	4127.59	0	0	2	4127.59	2	380.66	0	0	2	380.66	4	2254.13	0	0	4	2254.13	
7	Ernakulam	10	8	2373.49	0	0	8	2373.49	2	804.86	0	0	2	804.86	10	2059.77	0	0	10	2059.77	
8	Thrissur	10	10	6394.08	0	0	10	6394.08	0	0	0	0	0	0	10	6394.08	0	0	10	6394.08	
9	Palakkad	10	9	4373.01	0	0	9	4373.01	1	622.38	0	0	1	622.38	10	3997.94	0	0	10	3997.94	
10	Malappuram	10	8	5995.36	0	0	8	5995.36	2	6011.84	0	0	2	6011.84	10	5998.66	0	0	10	5998.66	
11	Kozhikode	8	6	1770.97	1	2594.59	7	1888.63	0	0	1	2418.62	1	2418.62	6	1770.97	2	2506.61	8	1954.88	
12	Wayanad	10	10	1926.81	0	0	10	1926.81	0	0	0	0	0	0	10	1926.81	0	0	10	1926.81	
13	Kannur	2	2	5457.98	0	0	2	5457.98	0	0	0	0	0	0	2	5457.98	0	0	2	5457.98	
14	Kasargod	4	4	4330.85	0	0	4	4330.85	0	0	0	0	0	0	4	4330.85	0	0	4	4330.85	
State Total			100	89	3944.24	1	2594.59	90	3929.24	9	2205.32	1	2418.62	10	2226.65	98	3784.54	2	2506.61	100	3758.98

**Annual review of crop statistics 2017-18**

**Table 10(iv)**

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

**STATE: KERALA**

**YEAR: 2017-18**

**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	7	4835.52	1	2410.22	8	4532.36	0	0	0	0	0	0	7	4835.52	1	2410.22	8	4532.36
2	Kollam	6	1	3459.54	5	3848.83	6	3783.95	0	0	0	0	0	0	1	3459.54	5	3848.83	6	3783.95
3	Pathanamthitta	6	4	2647.46	2	1820.47	6	2371.6	0	0	0	0	0	0	4	2647.46	2	1820.47	6	2371.8
4	Alappuzha	6	6	3445.68	0	0	6	3445.68	0	0	0	0	0	0	6	3445.68	0	0	6	3445.68
5	Kottayam	6	6	5016.09	0	0	6	5016.09	0	0	0	0	0	0	6	5016.09	0	0	6	5016.09
6	Idukki	4	4	4509.19	0	0	4	4509.19	0	0	0	0	0	0	4	4509.19	0	0	4	4509.19
7	Ernakulam	10	10	3490.79	0	0	10	3490.79	0	0	0	0	0	0	10	3490.79	0	0	10	3490.79
8	Thrissur	10	10	5949.86	0	0	10	5949.86	0	0	0	0	0	0	10	5949.86	0	0	10	5949.86
9	Palakkad	10	9	4565.38	0	0	9	4565.38	1	64.12	0	0	1	64.12	10	4115.25	0	0	10	4115.25
10	Malappuram	10	10	3790.23	0	0	10	3790.23	0	0	0	0	0	0	10	3790.23	0	0	10	3790.23
11	Kozhikode	8	3	4440.38	0	0	3	4440.38	4	658.94	1	715.1	5	670.18	7	2279.56	1	715.1	8	2084
12	Wayanad	4	2	2818.26	2	2893.78	4	2856.02	0	0	0	0	0	0	2	2818.26	2	2893.78	4	2856.02
13	Kannur	8	8	2620.79	0	0	8	2620.79	0	0	0	0	0	0	8	2620.79	0	0	8	2620.79
14	Kasargod	4	4	4312.79	0	0	4	4312.79	0	0	0	0	0	0	4	4312.79	0	0	4	4312.79
State Total		100	84	4134.26	10	3108.29	94	4025.11	5	539.98	1	715.1	6	569.17	89	3932.33	11	2890.72	100	3817.75

**Annual review of crop statistics 2017-18**

**Table 10(v)**

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

**STATE: KERALA**

**YEAR: 2017-18**

**SEASON: SUMMER PADDY**

**STATE SAMPLE**

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers									Expts. Not treated with Fertilizers	
						No. of Expts.					Rate of Application					
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Thiruvananthapuram	8	2650.26	2	2413.8	6	4	4	6	3180.27	39.15	18.15	37.1	2	1060.28	
2	Kollam	6	3513.09	2	5191.17	6	5	6	6	3513.09	43.04	21.86	31.96	0	0	
3	Pathanamthitta	6	3986.65	5	4635.34	6	6	6	6	3986.65	186	36.85	47.83	0	0	
4	Alappuzha	6	4721.67	6	4721.67	6	6	6	6	4721.67	87.67	50	51.17	0	0	
5	Kottayam	6	4116.73	2	3043.66	6	6	6	6	4116.73	81.83	46.33	68.17	0	0	
6	Idukki	4	2254.13	2	380.66	4	4	4	4	2254.13	39.22	20	16.65	0	0	
7	Ernakulam	10	2059.77	0	0	7	6	5	7	2277.44	22.34	13.22	26.27	3	1215.89	
8	Thrissur	10	6394.08	3	7675.56	10	8	9	10	6394.08	74.52	38.75	76.11	0	0	
9	Palakkad	10	3997.94	1	3926.65	10	9	7	10	3997.94	81.9	36.44	72.86	0	0	
10	Malappuram	10	5998.66	3	6694.48	8	8	8	8	6062.24	81.13	99.6	81.5	2	5744.32	
11	Kozhikode	8	1954.88	0	0	7	7	5	7	1888.63	58.16	29.8	32.2	1	2418.62	
12	Wayanad	10	1926.81	2	5815.19	9	6	4	9	1702.01	7.23	167.2	1	1	0.368	
13	Kannur	2	5457.98	2	5457.98	2	2	2	2	5457.98	96.5	49	61.5	0	0	
14	Kasargod	4	4330.85	0	0	4	4	4	4	4330.85	30.84	30.84	30.84	0	0	
State Total		100	3758.98	30	4771.61	91	81	76	91	3860.05	66.4	47	45.37	9	2186.21	
Table contd.																



# Annual review of crop statistics 2017-18

Table 10(v)

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

STATE: KERALA

YEAR: 2017-18

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	1060.28	6	2729.08	2	2413.8	4	3563.48	0	0	8	2650.26
2	Kollam	0	0	4	2674.04	2	5191.17	4	2674.04	0	0	6	3513.09
3	Pathanamthitta	0	0	1	743.2	5	4635.34	1	743.2	0	0	6	3986.65
4	Alappuzha	0	0	0	0	6	4721.67	0	0	0	0	6	4721.67
5	Kottayam	0	0	4	4653.26	2	3043.66	4	4653.26	0	0	6	4116.73
6	Idukki	0	0	2	4127.59	2	380.66	2	4127.59	0	0	4	2254.13
7	Ernakulam	2	1018.99	9	1997.78	1	1609.71	7	2277.44	1	1609.71	9	1997.78
8	Thrissur	0	0	7	5844.87	3	7675.56	7	5844.87	0	0	10	6394.08
9	Palakkad	0	0	9	4005.86	1	3926.65	9	4005.86	0	0	10	3997.94
10	Malappuram	1	7027.32	6	5906.97	4	6136.19	5	5682.9	1	4461.31	9	6169.47
11	Kozhikode	1	2418.62	8	1954.88	0	0	7	1888.63	0	0	8	1954.88
12	Wayanad	0	0	7	2743.00	3	11630.76	7	3882.94	1	0.368	9	2133.45
13	Kannur	0	0	0	0	2	5457.98	0	0	0	0	2	5457.98
14	Kasargod	0	0	4	4330.85	0	0	4	4330.85	0	0	4	4330.85
State Total		6	2267.43	67	3540.81	33	5226.71	61	3796.87	3	2023.8	97	3801.57

**Annual review of crop statistics 2017-18**

**Table 10(vi)**

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

**STATE: KERALA**

**YEAR: 2017-18**

**SEASON: SUMMER PADDY**

**CENTRAL SAMPLE**

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers								Expts. Not treated with Fertilizers	
		No.	Yield Rate	No.	Yield Rate	No. of Expts.					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	4532.36	0	0	7	7	7	7	4574.47	94.57	36.57	100.86	1	4237.56
2	Kollam	6	3783.95	2	3646.34	6	5	5	6	3783.95	49.5	21.4	46.8	0	0
3	Pathanamthitta	6	2371.79	1	3663.98	6	6	6	6	2371.79	59	19.83	52.5	0	0
4	Alappuzha	6	3445.68	4	2490.42	6	6	6	6	3445.68	80.83	39.33	42.5	0	0
5	Kottayam	6	5016.09	6	5016.09	6	6	6	6	5016.09	85.5	47.33	72.67	0	0
6	Idukki	4	4509.19	1	4702.32	4	4	2	4	4509.19	100.5	25.5	29	0	0
7	Ernakulam	10	3490.79	3	2535.17	10	10	8	10	3527.71	39.05	25.2	34.5	0	0
8	Thrissur	10	5949.87	5	6303.6	10	10	8	10	5949.86	77.1	32	56	0	0
9	Palakkad	10	4115.25	2	3590.94	7	6	9	9	4565.38	74.43	29	51.22	1	64.124
10	Malappuram	10	3790.23	3	4639.66	7	7	7	7	4628.72	56.29	30.14	33.71	3	1833.76
11	Kozhikode	8	2084.0	0	0	3	1	0	3	1671.07	12	18	0	5	2331.76
12	Wayanad	4	2856.02	0	0	3	3	2	3	2070.41	39.67	20.67	21.5	1	2368.81
13	Kannur	8	2620.79	0	0	5	3	4	5	2379.07	54.4	34	39.25	3	3023.66
14	Kasargod	4	4312.79	2	4604.74	4	4	0	4	4312.79	60	60	0	0	0
State Total		100	3817.75	29	4315.55	84	78	70	86	4027.9	63.06	31.36	48.38	14	2350.11
Page contd.															

# Annual review of crop statistics 2017-18

Table 10(vi)

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

STATE: KERALA

YEAR: 2017-18

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	1	4237.56	8	4532.36	0	0	7	4574.47	0	0	8	4532.36
2	Kollam	0	0	4	3852.75	2	3646.34	4	3852.75	0	0	6	3783.95
3	Pathanamthitta	0	0	5	2113.36	1	3663.98	5	2113.36	0	0	6	2371.79
4	Alappuzha	0	0	2	5356.2	4	2490.42	2	5356.2	0	0	6	3445.68
5	Kottayam	0	0	0	0	6	5016.09	0	0	0	0	6	5016.09
6	Idukki	0	0	3	4444.81	1	4702.32	3	4444.89	0	0	4	4509.19
7	Ernakulam	0	0	7	3953.08	3	2535.17	7	3953.08	0	0	10	3490.79
8	Thrissur	0	0	5	5596.11	5	6303.6	5	5596.11	0	0	10	5949.87
9	Palakkad	0	0	7	4843.79	3	2415.34	7	4843.79	1	64.12	9	4565.37
10	Malappuram	2	1535.46	6	3592.16	4	4087.34	4	4620.51	1	2430.36	9	3941.33
11	Kozhikode	4	2420.49	7	2099.31	1	1976.83	3	1671.07	1	1976.83	7	2099.31
12	Wayanad	0	0	3	3018.42	1	2368.81	3	4597.92	1	2368.81	3	3018.42
13	Kannur	3	3023.66	8	2620.79	0	0	5	2379.07	0	0	8	2620.79
14	Kasargod	0	0	2	4020.83	2	4604.74	2	4020.83	0	0	4	4312.79
State Total		10	2606.14	67	3733.63	33	3999.73	57	4014.57	4	1710.03	96	3905.58

**Annual review of crop statistics 2017-18**

**Table 11(i)**

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

**STATE:KERALA**

**YEAR:2017-18**

**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				
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>1</b>	<b>Thiruvananthapuram</b>	<b>4</b>	<b>4</b>				
<b>2</b>	<b>Kollam</b>	<b>4</b>	<b>4</b>				
<b>3</b>	<b>Pathanamthitta</b>	<b>4</b>	<b>4</b>				
<b>4</b>	<b>Alappuzha</b>	<b>4</b>	<b>4</b>				
<b>5</b>	<b>Kottayam</b>	<b>4</b>	<b>4</b>				
<b>6</b>	<b>Idukki</b>	<b>0</b>	<b>0</b>				
<b>7</b>	<b>Ernakulam</b>	<b>4</b>	<b>4</b>				
<b>8</b>	<b>Thrissur</b>	<b>4</b>	<b>4</b>				
<b>9</b>	<b>Palakkad</b>	<b>6</b>	<b>6</b>				
<b>10</b>	<b>Malappuram</b>	<b>4</b>	<b>4</b>				
<b>11</b>	<b>Kozhikode</b>	<b>4</b>	<b>4</b>				
<b>12</b>	<b>Wayanad</b>	<b>0</b>	<b>0</b>				
<b>13</b>	<b>Kannur</b>	<b>4</b>	<b>4</b>				
<b>14</b>	<b>Kasargod</b>	<b>4</b>	<b>4</b>				
<b>State Total</b>		<b>50</b>	<b>50</b>				

**Annual review of crop statistics 2017-18**

**Table 11(ii)**

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

**STATE: KERALA**

**YEAR: 2017-18**

**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				
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	4	4				
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	6	6				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
State Total		50	50				

# Annual review of crop statistics 2017-18

Table 11(iii)

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

STATE: KERALA			YEAR: 2017-18						SEASON: ANNUAL						CROP: BANANA						STATE SAMPLE			
Sl.No.	District	No.of expts.Checked at harvest	HY Varieties						Other Varieties						Both HY & Others									
			Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total					
			No. of 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	Thiruvanantha-puram	4	0	0	0	0	0	0	3	13267	1	2133.33	4	10483.3	3	13266.7	1	2133.33	4	10483.33				
2	Kollam	4	2	19783.3	0	0	2	19783.3	2	14000	0	0	2	14000	4	16891.7	0	0	4	16891.67				
3	Pathanamthitta	4	0	0	0	0	0	0	3	17622	1	22066.7	4	18733.3	3	17622.2	1	22066.7	4	18733.33				
4	Alappuzha	4	0	0	0	0	0	0	4	13342	0	0	4	13341.7	4	13341.7	0	0	4	13341.67				
5	Kottayam	4	0	0	0	0	0	0	3	17533	1	31400	4	21000	3	17533.3	1	31400	4	21000				
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
7	Ernakulam	4	2	13833.3	0	0	2	13833.3	2	16067	0	0	2	16066.7	4	14950	0	0	4	14950				
8	Thrissur	4	0	0	0	0	0	0	4	15383	0	0	4	15383.3	4	15383.3	0	0	4	15383.3				
9	Palakkad	6	4	20716.7	0	0	4	20716.7	2	11650	0	0	2	11650	6	17694.4	0	0	6	17694.4				
10	Malappuram	4	0	0	0	0	0	0	4	17733	0	0	4	17733.3	4	17733.3	0	0	4	17733.3				
11	Kozhikode	4	0	0	0	0	0	0	4	18225	0	0	4	18225	4	18225	0	0	4	18225				
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	13556	1	13600	4	13566.7	3	13555.6	1	13600	4	13566.67				
14	Kasargod	4	0	0	0	0	0	0	4	16900	0	0	4	16900	4	16900	0	0	4	16900				
State Total			50	8	18762.5	0	0	8	18762.5	38	15676	4	17300	42	15831	46	16213	4	17300	50	16300			

# Annual review of crop statistics 2017-18

Table 11(iv)

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

STATE: KERALA			YEAR: 2017-18						SEASON: ANNUAL						CROP: BANANA		CENTRAL SAMPLE					
Sl.No.	District	No.of expts,Checked at harvest	HY Varities						Other Varities						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	Thiruvanantha-puram	4	0	0	0	0	0	0	4	12567	0	0	4	12566.7	4	12566.7	0	0	4	12566.7		
2	Kollam	4	0	0	0	0	0	0	0	0	4	12968.3	4	12968.3	0	0	4	12968.3	4	12968.3		
3	Pathanamthitta	4	0	0	0	0	0	0	4	13919	0	0	4	13919	4	13919	0	0	4	13919		
4	Alappuzha	4	0	0	0	0	0	0	2	7350	2	10433.3	4	8891.67	2	7350	2	10433.3	4	8891.67		
5	Kottayam	4	0	0	0	0	0	0	3	16733	1	24900	4	18775	3	16733.3	1	24900	4	18775		
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	11200	4	11200	0	0	4	11200	4	11200		
8	Thrissur	4	0	0	0	0	0	0	4	14575	0	0	4	14575	4	14575	0	0	4	14575		
9	Palakkad	6	1	33000	0	0	1	33000	3	14600	2	4516.67	5	10566.7	4	19200	2	4516.67	6	14305.56		
10	Malappuram	4	0	0	0	0	0	0	3	17633	1	10233.3	4	15783.3	3	17633.3	1	10233.3	4	15783.3		
11	Kozhikode	4	2	18450	0	0	2	18450	1	13607	1	4266.67	2	8936.67	3	16835.6	1	4266.67	4	13693.33		
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	4	14433	0	0	4	14433.3	4	14433.3	0	0	4	14433.3		
14	Kasargod	4	0	0	0	0	0	0	4	14650	0	0	4	14650	4	14650	0	0	4	14650		
State Total			50	3	23300	0	0	3	23300	32	14243	15	11064.9	47	13228.9	35	15019.5	15	11064.9	50	13833.12	

**Annual review of crop statistics 2017-18**

**Table 11(v)**

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

**STATE: KERALA**

**YEAR: 2017-18**

**SEASON: ANNUAL**

**CROP: BANANA**

**STATE SAMPLE**

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers									Expts. Not treated with Fertilizers	
						No. of Expts.					Rate of Application					
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Thiruvananthapuram	4	10483.33	0	0	2	2	3	3	13266.67	191.95	123.45	253.8	1	2133.33	
2	Kollam	4	16891.67	0	0	2	2	2	2	19783.33	128.29	100	211.15	2	14000	
3	Pathanamthitta	4	18733.33	1	20666.7	3	3	3	3	20088.89	454	313.67	482	1	14666.67	
4	Alappuzha	4	13341.67	0	0	0	0	0	0	0	0	0	0	4	13341.67	
5	Kottayam	4	21000	0	0	2	2	0	2	27633.33	250	250	0	2	14366.67	
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	Ernakulam	4	14950	0	0	3	2	2	3	14133.33	131.6	135.86	203.81	1	17400	
8	Thrissur	4	15383.3	0	0	0	0	0	0	0	0	0	0	4	15383.33	
9	Palakkad	6	17694.44	0	0	5	5	4	4	20133.33	323	107.6	398.5	2	12816.67	
10	Malappuram	4	17733.33	0	0	4	4	1	4	17733.33	163.88	163.88	88.92	0	0	
11	Kozhikode	4	18225	1	11933.3	3	3	1	3	13777.78	415	323	460	1	31566.67	
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kannur	4	13566.67	0	0	1	0	1	1	18066.67	460	0	600	3	12066.67	
14	Kasargod	4	16900	0	0	0	0	0	0	0	0	0	0	4	16900	
State Total		50	16300	2	16300	25	23	17	25	17926.67	279.75	189.68	337.27	25	14673.33	
Table contd...																



# Annual review of crop statistics 2017-18

Table 11(v)

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

STATE: KERALA

YEAR: 2017-18

SEASON: ANNUAL

CROP: 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	0	0	3	13266.67	1	2133.33	3	13266.7	1	2133.33	3	13266.67
2	Kollam	2	14000	4	16891.67	0	0	2	19783.3	0	0	4	16891.67
3	Pathanamthitta	1	14666.67	3	18088.89	1	20666.67	2	19800	0	0	4	18733.3
4	Alappuzha	4	13341.67	4	13341.67	0	0	0	0	0	0	4	13341.67
5	Kottayam	2	14366.67	4	21000	0	0	2	27633.3	0	0	4	21000
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	1	17400	4	14950	0	0	3	14133.3	0	0	4	14950
8	Thrissur	4	15383.33	4	15383.33	0	0	0	0	0	0	4	15383.33
9	Palakkad	2	12816.67	6	17694.44	0	0	4	20133.3	0	0	6	17694.44
10	Malappuram	0	0	4	17733.33	0	0	4	17733.3	0	0	4	17733.33
11	Kozhikode	1	31566.67	3	20322.22	1	11933.33	2	14700	0	0	4	18225
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	3	12066.67	4	13566.67	0	0	1	18066.7	0	0	4	13566.67
14	Kasargod	4	16900	4	16900	0	0	0	0	0	0	4	16900
State Total		24	15195.83	47	16601.42	3	11577.78	23	18068.1	1	2133.33	49	16589.1

# Annual review of crop statistics 2017-18

Table 11(vi)

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

STATE: KERALA

YEAR: 2017-18

SEASON: ANNUAL

CROP: BANANA

CENTRAL SAMPLE

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers									Expts. Not treated with Fertilizers	
						No. of Expts.					Rate of Application					
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Thiruvananthapuram	4	12566.7	0	0	1	1	4	4	12566.67	12	5	25.25	0	0	
2	Kollam	4	12968.3	0	0	1	1	1	1	13866.67	99	30	90	3	12668.89	
3	Pathanamthitta	4	13919	0	0	3	3	1	3	15588.89	63	46.33	48	1	8909.33	
4	Alappuzha	4	8891.67	1	3900	2	1	1	2	5150	106	37	229	2	12633.33	
5	Kottayam	4	18775	0	0	2	2	2	2	26983.33	106	106	199.5	2	10566.67	
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	Ernakulam	4	11200	0	0	1	1	1	1	12333.33	40	40	40	3	10822.22	
8	Thrissur	4	14575	1	28366.7	3	1	3	3	15500	123.67	79	146.33	1	11800	
9	Palakkad	6	14305.56	0	0	6	4	3	6	14305.56	214.5	116.25	284	0	0	
10	Malappuram	4	15783.3	0	0	2	1	1	2	13333.33	247	198	198	2	18233.33	
11	Kozhikode	4	13693.33	0	0	1	1	1	2	18450	60	60	60	2	8936.67	
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kannur	4	14433.3	0	0	3	2	2	3	14955.56	157.67	168	240	1	12866.67	
14	Kasargod	4	14650	2	15583.3	4	2	2	4	14650	193.5	106.5	263	0	0	
State Total		50	13833.12	4	15858.3	29	20	22	33	14753.54	118.53	82.67	151.92	17	12046.43	
Table contd.																

Table contd.

# Annual review of crop statistics 2017-18

Table 11(vi)

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

STATE: KERALA

YEAR: 2017-18

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	4	12566.67	0	0	4	12566.7	0	0	4	12566.67
2	Kollam	3	12668.89	4	12968.33	0	0	1	13866.7	0	0	4	12968.33
3	Pathanamthitta	1	8909.33	4	13919	0	0	3	15588.9	0	0	4	13919
4	Alappuzha	1	10800	2	8600	2	9183.33	1	6400	1	14466.7	3	7033.33
5	Kottayam	2	10566.67	4	18775	0	0	2	26983.3	0	0	4	18775
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	3	10822.22	4	11200	0	0	1	12333.3	0	0	4	11200
8	Thrissur	1	11800	3	16777.78	1	7966.67	2	19266.7	0	0	4	14575
9	Palakkad	0	0	6	14305.56	0	0	6	14305.6	0	0	6	14305.56
10	Malappuram	2	18233.33	4	15783.33	0	0	2	13333.3	0	0	4	15783.33
11	Kozhikode	2	8936.67	4	13693.33	0	0	2	18450	0	0	4	13693.33
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	12866.67	4	14433.33	0	0	3	14955.6	0	0	4	14433.33
14	Kasargod	0	0	2	13716.67	2	15583.33	2	13716.7	0	0	4	14650
State Total		16	11895.17	45	14092.36	5	11500	29	15304.6	1	14466.7	49	13820.19

**Annual review of crop statistics 2017-18**  
**Table 12(i)**

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

**STATE:KERALA**

**YEAR:2017-18**

**STATE SAMPLE**

**SEASON:ANNUAL**

**CROP:TAPIOCA**

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

# Annual review of crop statistics 2017-18

Table 12(ii)

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

STATE: KERALA

YEAR: 2017-18

CENTRAL SAMPLE

SEASON: ANNUAL

CROP: TAPIOCA

Sl.No.	District	No. of Experiments		At post harvest	Lost	Rejected for analysis	For which schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	2	2			
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
State Total		40	38	2			

\*Two experiments missed in Kozhikode district(post harvest)

# Annual review of crop statistics 2017-18

Table 12(iii)

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

STATE: KERALA

YEAR: 2017-18

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	0	0	2	25875	2	25875	0	0	2	22125	2	22125	0	0	4	24000	4	24000
2	Kollam	4	0	0	1	33375	1	33375	1	20625	2	16825	3	18091.7	1	20625	3	22341.67	4	21912.5
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	0	0	0	0	0	0	1	31375	3	29250	4	29781.3	1	31375	3	29250	4	29781.25
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	96250	2	55000	3	68750	0	0	1	36250	1	36250	1	96250	3	48750	4	60625
8	Thrissur	4	0	0	0	0	0	0	3	26417	1	38750	4	29500	3	26416.7	1	38750	4	29500
9	Palakkad	4	0	0	2	28062.5	2	28062.5	1	41000	1	13000	2	27000	1	41000	3	23041.67	4	27531.25
10	Malappuram	4	1	103750	1	47125	2	75437.5	2	8500	0	0	2	8500	3	40250	1	47125	4	41968.75
11	Kozhikode	4	2	47750	0	0	2	47750	1	14000	1	8000	2	11000	3	36500	1	8000	4	29375
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	42062.5	4	42062.5	0	0	4	42062.5	4	42062.5
14	Kasargod	4	0	0	0	0	0	0	1	11375	3	15416.7	4	14406.3	1	11375	3	15416.67	4	14406.25
State Total		40	4	73875	8	37296.88	12	49489.58	10	21463	18	26452.8	28	24670.5	14	36437.5	26	29789.42	40	32116.25

**Annual review of crop statistics 2017-18**

**Table 12(iv)**

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

STATE: KERALA			YEAR: 2017-18						SEASON: ANNUAL						CROP:TAPIOCA				CENTRAL SAMPLE					
Sl.No.	District	No.of expts.Checked at harvest	HY Varities						Other Varities						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	2	40313	2	27687.5	4	34000	0	0	0	0	0	0	2	40312.5	2	27687.5	4	34000				
2	Kollam	4	1	93750	0	0	1	93750	1	27875	2	23000	3	24625	2	60812.5	2	23000	4	41906.25				
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
5	Kottayam	4	0	0	2	33375	2	33375	0	0	2	27250	2	27250	0	0	4	30312.5	4	30312.5				
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	97875	1	117125	2	107500	0	0	2	38375	2	38375	1	97875	3	64625	4	72937.5				
8	Thrissur	4	0	0	1	11950	1	11950	2	20560	1	16865	3	19328	2	20560	2	14407.5	4	17483.75				
9	Palakkad	4	1	46750	2	14750	3	25416.67	1	31250	0	0	1	31250	2	39000	2	14750	4	26875				
10	Malappuram	4	1	40375	1	76750	2	58562.5	1	18750	1	15000	2	16875	2	29562.5	2	45875	4	37718.75				
11	Kozhikode	2	1	43750	1	19750	2	31750	1	7500	1	28000	2	17750	2	25625	2	23875	4	24750				
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	33750	3	44250	4	41625	1	33750	3	44250	4	41625				
14	Kasargod	4	0	0	0	0	0	0	0	0	4	31000	4	31000	0	0	4	31000	4	31000				
State Total			38	7	57589	10	37720	17	45901.47	7	22892	16	30867	23	28440	14	40240.7	26	33502.5	40	35860.88			

**Annual review of crop statistics 2017-18**

**Table 12(v)**

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

**STATE: KERALA**

**YEAR: 2017-18**

**SEASON: ANNUAL**

**CROP: TAPIOCA**

**STATE SAMPLE**

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers									Expts. Not treated with Fertilizers	
						No. of Expts.					Rate of Application					
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Thiruvananthapuram	4	24000	0	0	0	0	0	0	0	0	0	0	4	24000	
2	Kollam	4	21912.5	0	0	0	0	0	0	0	0	0	0	4	21912.5	
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Kottayam	4	29781.25	0	0	0	0	0	0	0	0	0	0	4	29781.25	
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	Ernakulam	4	60625	0	0	2	2	1	2	69375	202.3	202.3	154.6	2	51875	
8	Thrissur	4	29500	1	38750	1	1	1	1	38750	44.46	44.46	44.46	3	26416.67	
9	Palakkad	4	27531.25	0	0	0	0	0	0	0	0	0	0	4	27531.25	
10	Malappuram	4	41968.75	0	0	1	1	1	1	103750	29.6	29.6	59.2	3	21375	
11	Kozhikode	4	29375	0	0	1	1	2	2	47750	27	27	73.5	2	11000	
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kannur	4	42062.5	0	0	1	1	0	1	32000	19.8	19.8	0	3	45416.67	
14	Kasargod	4	14406.25	1	30750	1	1	1	1	30750	49	49	247	3	8958.33	
State Total		40	32116.25	2	34750	7	7	6	8	54937.5	62.03	62.03	115.75	32	26410.94	
Table contd.																

Table contd.



**Annual review of crop statistics 2017-18**

**Table 12(v)**

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

STATE: KERALA		YEAR: 2017-18				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	3	25750	3	25750	1	18750	0	0	1	18750	3	25750
2	Kollam	4	21912.5	4	21912.5	0	0	0	0	0	0	4	21912.5
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	29781.25	4	29781.25	0	0	0	0	0	0	4	29781.25
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	2	51875	4	60625	0	0	2	69375	0	0	4	60625
8	Thrissur	3	26416.67	3	26416.67	1	38750	0	0	0	0	4	29500
9	Palakkad	1	22875	1	22875	3	29083.33	0	0	3	29083.33	1	22875
10	Malappuram	2	26250	3	52083.33	1	11625	1	103750	1	11625	3	52083.33
11	Kozhikode	2	11000	4	29375	0	0	2	47750	0	0	4	29375
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	3	45416.67	4	42062.5	0	0	1	32000	0	0	4	42062.5
14	Kasargod	1	10000	1	10000	3	15875	0	0	2	8437.5	2	20375
State Total		25	28426	31	34859.68	9	22666.67	6	61666.67	7	19214.29	33	34853.03

**Annual review of crop statistics 2017-18**

**Table 12(vi)**

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

**STATE: KERALA**

**YEAR: 2017-18**

**SEASON: ANNUAL**

**CROP: TAPIOCA**

**CENTRAL SAMPLE**

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers									Expts. Not treated with Fertilizers	
						No. of Expts.					Rate of Application					
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Thiruvananthapuram	4	34000	0	0	0	0	0	0	0	0	0	0	4	34000	
2	Kollam	4	41906.25	0	0	1	1	1	1	27875	16	16	31	3	46583.33	
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Kottayam	4	30312.5	1	20000	3	3	3	3	20666.67	71.33	71.33	197.67	1	59250	
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	Ernakulam	4	72937.5	1	117125	2	2	0	2	107500	54.5	40.5	0	2	38375	
8	Thrissur	4	17483.75	0	0	2	2	2	2	21120	319.5	319.5	813.5	2	13847.5	
9	Palakkad	4	26875	0	0	1	1	1	1	31850	141	141	141	3	25416.67	
10	Malappuram	4	37718.75	0	0	1	1	1	1	40375	49	49	99	3	36833.33	
11	Kozhikode	4	24750	0	0	1	1	1	1	0	33	33	127	3	30500	
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kannur	4	41625	0	0	1	1	0	1	46500	130	130	0	3	40000	
14	Kasargod	4	31000	0	0	0	0	0	0	0	0	0	0	4	31000	
State Total		40	35860.88	2	68562.5	12	12	9	12	38770	101.79	100.04	234.86	28	34346.25	
Table contd.																

Table contd.

# Annual review of crop statistics 2017-18

Table 12(vi)

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

STATE: KERALA				YEAR: 2017-18				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	3	39083.33	3	39083.33	1	18750	0	0	1	18750	3	39083.33				
2	Kollam	3	46583.33	4	41906.25	0	0	1	27875	0	0	4	41906.25				
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0				
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0				
5	Kottayam	1	59250	3	33750	1	20000	2	21000	0	0	4	30312.5				
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0				
7	Ernakulam	2	38375	3	58208.33	1	117125	1	97875	0	0	4	72937.5				
8	Thrissur	2	13847.5	4	17483.75	0	0	2	21120	0	0	4	17483.75				
9	Palakkad	3	25416.67	4	26875	0	0	1	31250	0	0	4	26875				
10	Malappuram	2	16875	3	24708.33	1	76750	1	40375	1	76750	3	24708.33				
11	Kozhikode	3	30500	4	24750	0	0	1	7500	0	0	4	24750				
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0				
13	Kannur	3	40000	4	41625	0	0	1	46500	0	0	4	41625				
14	Kasargod	3	25791.67	3	25791.67	1	46625	0	0	1	46625	3	25791.67				
State Total		25	32782.8	35	33005.29	5	55850	10	33561.5	3	47375	37	34927.3				

**Annual review of crop statistics 2017-18**  
**Table 13(i)**

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

**STATE:KERALA**

**YEAR:2017-18**

**STATE SAMPLE**

**SEASON:PERENNIAL**

**CROP:COCONUT**

Sl.No.	District	No. of Experiments		At post harvest	Lost	Rejected for analysis	For which schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki	4	4				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	6	6				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
State Total		50	50				

**Annual review of crop statistics 2017-18**  
**Table 13(ii)**

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

**STATE:KERALA**

**YEAR:2017-18**

**CENTRAL SAMPLE**

**SEASON:PERENNIAL**

**CROP:COCONUT**

Sl.No.	District	No. of Experiments		At post harvest	Lost	Rejected for analysis	For which schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki	4	4				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	6	6				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
State Total		50	50				

**Annual review of crop statistics 2017-18**

**Table 13(iii)**

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

STATE: KERALA			YEAR: 2017-18						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	Thiruvanantha-puram	4	0	0	0	0	0	0	0	0	4	10101.5	4	10101.5	0	0	4	10101.5	4	10101.5		
2	Kollam	4	0	0	0	0	0	0	0	0	4	10164	4	10164	0	0	4	10164	4	10164		
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4	Alappuzha	4	0	0	0	0	0	0	0	0	4	10593.9	4	10593.9	0	0	4	10593.9	4	10593.9		
5	Kottayam	4	0	0	0	0	0	0	0	0	4	15440.1	4	15440.1	0	0	4	15440.1	4	15440.1		
6	Idukki	4	0	0	4	5888.75	4	5888.75	0	0	0	0	0	0	0	0	4	5888.75	4	5888.75		
7	Ernakulam	4	0	0	0	0	0	0	0	0	4	8516.75	4	8516.75	0	0	4	8516.75	4	8516.75		
8	Thrissur	4	0	0	0	0	0	0	3	10451	1	3378.4	4	8682.9	3	10451.1	1	3378.4	4	8682.9		
9	Palakkad	6	0	0	0	0	0	0	2	8058	4	3555	6	5056	2	8058	4	3555	6	5056		
10	Malappuram	4	0	0	0	0	0	0	4	5962	0	0	4	5962.4	4	5962.4	0	0	4	5962.4		
11	Kozhikode	4	0	0	0	0	0	0	0	0	4	9503	4	9503	0	0	4	9503	4	9503		
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	4	4589	0	0	4	4588.5	4	4588.5	0	0	4	4588.5		
14	Kasargod	4	0	0	0	0	0	0	4	8456	0	0	4	8455.8	4	8455.8	0	0	4	8455.8		
State Total			50	0	0	4	5888.75	4	5888.75	17	7264	29	9478.46	46	8660.25	17	7264.47	33	9043.35	50	8438.53	

# Annual review of crop statistics 2017-18

Table 13(iv)

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

STATE: KERALA			YEAR: 2017-18						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	8410.35	4	8410.35	0	0	4	8410.35	4	8410.35		
2	Kollam	4	0	0	0	0	0	0	0	0	4	9534	4	9534	0	0	4	9534	4	9534		
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4	Alappuzha	4	0	0	0	0	0	0	0	0	4	6553.05	4	6553.05	0	0	4	6553.05	4	6553.05		
5	Kottayam	4	0	0	0	0	0	0	0	0	4	7789.6	4	7789.6	0	0	4	7789.6	4	7789.6		
6	Idukki	4	0	0	0	0	0	0	0	0	4	6685	4	6685	0	0	4	6685	4	6685		
7	Ernakulam	4	0	0	0	0	0	0	1	10325	3	7579.73	4	8265.95	1	10325	3	7579.73	4	8265.95		
8	Thrissur	4	0	0	0	0	0	0	3	6482	1	4573.2	4	6004.9	3	6482.13	1	4573.2	4	6004.9		
9	Palakkad	6	0	0	0	0	0	0	0	0	6	11486.6	6	11486.6	0	0	6	11486.6	6	11486.6		
10	Malappuram	4	0	0	0	0	0	0	2	6218	2	11646.4	4	8932	2	6218	2	11646.4	4	8932		
11	Kozhikode	4	0	0	0	0	0	0	1	9245	3	9445.67	4	9395.5	1	9245	3	9445.67	4	9395.5		
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	9744	3	8050	4	8473.5	1	9744	3	8050	4	8473.5		
14	Kasargod	4	0	0	0	0	0	0	0	0	4	10699.8	4	10699.8	0	0	4	10699.8	4	10699.8		
State Total			50	0	0	0	0	0	8	7649	42	8826.17	50	8637.88	8	7649.4	42	8826.17	50	8637.88		

**Annual review of crop statistics 2017-18**

**Table 13(v)**

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

**STATE: KERALA**

**YEAR: 2017-18**

**SEASON: PERENNIAL**

**CROP: COCONUT**

**STATE SAMPLE**

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers									Expts. Not treated with Fertilizers	
						No. of Expts.					Rate of Application					
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Thiruvananthapuram	4	10101.5	0	0	0	0	0	0	0	0	0	0	4	10101.5	
2	Kollam	4	10164	0	0	0	0	1	1	8316	0	0	10	3	10780	
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	Alappuzha	4	10593.9	0	0	0	0	0	0	0	0	0	0	4	10593.9	
5	Kottayam	4	15440.1	0	0	0	0	0	0	0	0	0	0	4	15440.1	
6	Idukki	4	5888.75	0	0	0	0	0	0	0	0	0	0	4	5888.75	
7	Ernakulam	4	8516.75	0	0	0	0	0	0	0	0	0	0	4	8516.75	
8	Thrissur	4	8682.9	0	0	0	0	0	0	0	0	0	0	4	8682.9	
9	Palakkad	6	5056	2	8058	2	2	0	2	8058	24.8	24.8	0	4	3555	
10	Malappuram	4	5962.4	0	0	0	0	0	0	0	0	0	0	4	5962.4	
11	Kozhikode	4	9503	0	0	0	0	0	0	0	0	0	0	4	9503	
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kannur	4	4588.5	0	0	2	0	0	2	6468	97	0	0	2	2709	
14	Kasargod	4	8455.8	0	0	0	0	0	0	0	0	0	0	4	8455.8	
State Total		50	8438.53	2	8058	4	2	1	5	7473.6	60.9	24.8	10	45	8545.74	
Table contd.																

Table contd.



# Annual review of crop statistics 2017-18

Table 13(v)

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

STATE: KERALA		YEAR: 2017-18				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	2	13211.4	2	13211.4	2	6991.6	0	0	2	6991.6	2	13211.4
2	Kollam	3	10780	4	10164	0	0	1	8316	0	0	4	10164
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	4	10593.9	0	0	4	10593.9	0	0
5	Kottayam	2	26257.8	2	26257.8	2	4622.4	0	0	2	4622.4	2	26257.8
6	Idukki	4	5888.75	4	5888.75	0	0	0	0	0	0	4	5888.75
7	Ernakulam	4	8516.75	4	8516.75	0	0	0	0	0	0	4	8516.75
8	Thrissur	4	8682.9	4	8682.9	0	0	0	0	0	0	4	8682.9
9	Palakkad	1	6067.2	1	6067.2	5	4853.76	0	0	3	2717.6	3	7394.4
10	Malappuram	4	5962.4	4	5962.4	0	0	0	0	0	0	4	5962.4
11	Kozhikode	3	10535	3	10535	1	6407	0	0	1	6407	3	10535
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	2709	4	4588.5	0	0	2	6468	0	0	4	4588.5
14	Kasargod	4	8455.8	4	8455.8	0	0	0	0	0	0	4	8455.8
State Total		33	9224.09	36	9045.75	14	6877.1	3	7084	12	6680.28	38	8993.76

**Annual review of crop statistics 2017-18**

**Table 13(vi)**

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

**STATE: KERALA**

**YEAR: 2017-18**

**SEASON: PERENNIAL**

**CROP: COCONUT**

**CENTRAL SAMPLE**

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers									Expts. Not treated with Fertilizers	
						No. of Expts.					Rate of Application					
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Thiruvananthapuram	4	8410.35	0	0	0	0	0	0	0	0	0	0	4	8410.35	
2	Kollam	4	9534	0	0	1	0	0	1	9786	118	0	0	3	9450	
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	Alappuzha	4	6553.05	0	0	0	0	0	0	0	0	0	0	4	6553.05	
5	Kottayam	4	7789.6	1	8902.4	1	1	1	1	8902.4	65	48	172	3	7418.67	
6	Idukki	4	6685	0	0	0	0	0	0	0	0	0	0	4	6685	
7	Ernakulam	4	8265.95	1	10324.6	1	1	1	1	10324.6	45	45	45	3	7579.73	
8	Thrissur	4	6004.9	0	0	0	0	0	0	0	0	0	0	4	6004.9	
9	Palakkad	6	11486.6	2	11091.6	2	2	0	2	11091.6	76.5	76.5	0	4	11684.1	
10	Malappuram	4	8932	0	0	1	0	0	1	6264	57	0	0	3	9821.33	
11	Kozhikode	4	9395.5	0	0	0	0	0	0	0	0	0	0	4	9395.5	
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kannur	4	8473.5	0	0	1	1	0	1	9744	40	40	0	3	8050	
14	Kasargod	4	10699.8	0	0	0	0	0	0	0	0	0	0	4	10699.8	
State Total		50	8637.88	4	10352.55	7	5	2	7	9600.6	66.92	52.38	108.5	43	8481.16	

Table contd.

# Annual review of crop statistics 2017-18

Table 13(vi)

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

STATE: KERALA		YEAR: 2017-18				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	8444.4	1	8444.4	3	8399	0	0	3	8399	1	8444.4
2	Kollam	1	5334	2	7560	2	11508	1	9786	2	11508	2	7560
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	6553.05	4	6553.05	0	0	0	0	0	0	4	15369.45
5	Kottayam	1	18832	1	18832	3	4108.8	0	0	2	1712	2	13867.2
6	Idukki	3	5740	3	5740	1	9520	0	0	1	9520	3	5740
7	Ernakulam	0	0	0	0	4	8265.95	0	0	3	7579.73	1	10324.6
8	Thrissur	2	4923.4	2	4923.4	2	7086.4	0	0	2	7086.4	2	4923.4
9	Palakkad	2	12679.5	2	12679.5	4	10890.15	0	0	2	10688.7	4	11855.55
10	Malappuram	3	9821.33	4	8932	0	0	1	6264	0	0	4	8932
11	Kozhikode	2	11287.5	2	11287.5	2	7503.5	0	0	2	7503.5	2	11287.5
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	3	8050	4	8473.5	0	0	1	9744	0	0	4	8473.5
14	Kasargod	4	10699.8	4	10699.8	0	0	0	0	0	0	4	10699.8
State Total		26	8855.25	29	8828.64	21	8374.46	3	12029.2	17	7909.02	33	10082.01

**Annual review of crop statistics 2017-18**

**Table 14(i)**

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

**STATE:KERALA**

**YEAR:2017-18**

**STATE SAMPLE**

**SEASON:PERENNIAL**

**CROP:PEPPER**

Sl.No.	District	No. of Experiments		At post harvest	Lost	Rejected for analysis	For which schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	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				
State Total		40	40				

**Annual review of crop statistics 2017-18**

**Table 14(ii)**

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

**STATE:KERALA**

**YEAR:2017-18**

**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				
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
State Total		40	40				

**Annual review of crop statistics 2017-18**

**Table 14(iii)**

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

STATE: KERALA			YEAR: 2017-18						SEASON: PERENNIAL						CROP:PEPPER					STATE SAMPLE			
Sl.No.	District	No.of expts.Checked at harvest	HY Varities						Other Varities						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	Thiruvanantha-puram	4	1	1123.35	2	809.89	3	914.38	1	1359	0	0	1	1359.46	2	1241.41	2	809.89	4	1025.65			
2	Kollam	4	0	0	0	0	0	0	0	0	4	279.92	4	279.92	0	0	4	279.92	4	279.92			
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
5	Kottayam	4	0	0	0	0	0	0	0	0	4	396.51	4	396.51	0	0	4	396.51	4	396.51			
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	3	269.84	3	269.84	0	0	1	409.16	1	409.16	0	0	4	304.67	4	304.67			
8	Thrissur	4	0	0	0	0	0	0	2	588	2	439.96	4	514.2	2	588.44	2	439.96	4	514.2			
9	Palakkad	4	1	518.41	0	0	1	518.41	1	373	2	256.27	3	295.01	2	445.46	2	256.27	4	350.86			
10	Malappuram	4	3	418.69	0	0	3	418.69	1	167	0	0	1	167.18	4	355.81	0	0	4	355.81			
11	Kozhikode	4	0	0	2	255.91	2	255.91	0	0	2	185.51	2	185.51	0	0	4	220.71	4	220.71			
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
13	Kannur	4	4	658.47	0	0	4	658.47	0	0	0	0	0	0	4	658.47	0	0	4	658.47			
14	Kasargod	4	1	518.41	1	163.52	2	340.97	2	581	0	0	2	581.11	3	560.21	1	163.53	4	461.04			
State Total			40	10	605.01	8	388.08	18	508.6	7	605	15	325.23	22	414.39	17	605.2	23	347.09	40	456.78		

**Annual review of crop statistics 2017-18**

**Table 14(iv)**

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

STATE: KERALA			YEAR: 2017-18						SEASON: PERENNIAL						CROP:PEPPER						CENTRAL SAMPLE			
Sl.No.	District	No.of expts.Checked at harvest	HY Varities						Other Varities						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	Thiruvanantha-puram	4	2	643.07	0	0	2	643.07	1	683	1	207.51	2	445.46	3	656.51	1	207.51	4	544.26				
2	Kollam	4	0	0	0	0	0	0	0	0	4	302.84	4	302.84	0	0	4	302.84	4	302.84				
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
5	Kottayam	4	0	0	0	0	0	0	1	240	3	1359.95	4	1079.91	1	239.78	3	1359.95	4	1079.91				
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	306.5	0	0	1	306.5	1	359	2	246.01	3	283.77	2	332.9	2	246.01	4	289.45				
8	Thrissur	4	2	1018.86	1	1056.04	3	1031.26	0	0	1	754.82	1	754.82	2	1018.86	2	905.43	4	962.15				
9	Palakkad	4	0	0	2	441.42	2	441.42	1	493	1	570.48	2	531.61	1	492.75	3	484.44	4	486.52				
10	Malappuram	4	2	409.34	2	696.6	4	552.97	0	0	0	0	0	0	2	409.34	2	696.6	4	552.97				
11	Kozhikode	4	0	0	0	0	0	0	2	190	2	228.78	4	209.35	2	189.91	2	228.78	4	209.35				
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
13	Kannur	4	1	1690.9	3	719.08	4	962.04	0	0	0	0	0	0	1	1690.9	3	719.08	4	962.04				
14	Kasargod	4	0	0	0	0	0	0	2	623	2	779.82	4	701.55	2	623.27	2	779.82	4	701.55				
State Total			40	8	767.49	8	686.17	16	726.83	8	425	16	583.33	24	530.62	16	596.35	24	617.61	40	609.1			

**Annual review of crop statistics 2017-18**

**Table 14(v)**

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

**STATE: KERALA**

**YEAR: 2017-18**

**SEASON: PERENNIAL**

**CROP: PEPPER**

**STATE SAMPLE**

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers									Expts. Not treated with Fertilizers	
						No. of Expts.					Rate of Application					
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Thiruvananthapuram	4	1025.65	0	0	0	0	0	0	0	0	0	0	4	1025.65	
2	Kollam	4	279.92	0	0	0	0	0	0	0	0	0	0	4	279.92	
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Kottayam	4	396.51	0	0	0	0	0	0	0	0	0	0	4	396.51	
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	Ernakulam	4	304.67	0	0	0	0	0	0	0	0	0	0	4	304.67	
8	Thrissur	4	514.2	0	0	0	0	0	0	0	0	0	0	4	514.2	
9	Palakkad	4	350.86	0	0	0	0	0	0	0	0	0	0	4	350.86	
10	Malappuram	4	355.81	1	266.173	1	0	0	1	266.173	10.37	0	0	3	385.69	
11	Kozhikode	4	220.71	0	0	0	0	0	0	0	0	0	0	4	220.71	
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kannur	4	658.47	0	0	0	0	0	0	0	0	0	0	4	658.47	
14	Kasargod	4	461.04	0	0	0	0	0	0	0	0	0	0	4	461.04	
State Total		40	456.78	1	266.173	1	0	0	1	266.173	10.37	0	0	39	461.67	
Table contd.																

Table contd.



# Annual review of crop statistics 2017-18

Table 14(v)

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

STATE: KERALA		YEAR: 2017-18				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	4	1025.65	4	1025.65	0	0	0	0	0	0	4	1025.65
2	Kollam	4	279.92	4	279.92	0	0	0	0	0	0	4	279.92
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	2	307.60	2	307.60	2	485.42	0	0	2	485.42	2	307.60
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	2	280.47	2	280.47	2	328.87	0	0	2	328.87	2	280.47
8	Thrissur	0	0	0	0	4	514.19	0	0	4	514.19	0	0
9	Palakkad	4	350.87	4	350.87	0	0	0	0	0	0	4	350.87
10	Malappuram	1	607.14	1	607.14	3	272.04	0	0	2	274.97	2	436.66
11	Kozhikode	1	286.71	1	286.71	3	198.71	0	0	3	198.71	1	286.71
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	658.47	4	658.47	0	0	0	0	0	0	4	658.47
14	Kasargod	2	596.51	2	596.51	2	325.57	0	0	2	325.57	2	596.51
State Total		24	521.78	24	521.78	16	359.3	0	0	15	365.51	25	511.55

**Annual review of crop statistics 2017-18**

**Table 14(vi)**

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

**STATE: KERALA**

**YEAR: 2017-18**

**SEASON: PERENNIAL**

**CROP: PEPPER**

**CENTRAL SAMPLE**

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers									Expts. Not treated with Fertilizers	
						No. of Expts.					Rate of Application					
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Thiruvananthapuram	4	544.26	0	0	0	0	0	0	0	0	0	0	4	544.26	
2	Kollam	4	302.84	0	0	0	0	0	0	0	0	0	0	4	302.84	
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Kottayam	4	1079.91	0	0	0	0	0	0	0	0	0	0	4	1079.91	
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	Ernakulam	4	289.45	0	0	0	0	0	0	0	0	0	0	4	289.45	
8	Thrissur	4	962.15	0	0	0	0	0	0	0	0	0	0	4	962.15	
9	Palakkad	4	486.52	0	0	0	0	0	0	0	0	0	0	4	486.52	
10	Malappuram	4	552.97	0	0	0	0	0	0	0	0	0	0	4	552.97	
11	Kozhikode	4	209.35	0	0	0	0	0	0	0	0	0	0	4	209.35	
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kannur	4	962.04	0	0	0	0	0	0	0	0	0	0	4	962.04	
14	Kasargod	4	701.55	0	0	0	0	0	0	0	0	0	0	4	701.55	
State Total		40	609.1	0	0	0	0	0	0	0	0	0	0	40	609.1	
Table contd.																

Table contd.

# Annual review of crop statistics 2017-18

Table 14(vi)

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

STATE: KERALA		YEAR: 2017-18				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	3	656.51	3	656.51	1	207.51	0	0	1	207.51	3	656.51
2	Kollam	2	245.64	2	245.64	2	360.03	0	0	2	360.03	2	245.64
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	2	1210.98	2	1210.98	2	948.84	0	0	2	948.84	2	1210.98
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	3	323.61	3	323.61	1	186.98	0	0	1	186.98	3	323.61
8	Thrissur	1	1292.74	1	1292.74	3	851.95	0	0	3	851.95	1	1292.74
9	Palakkad	1	492.75	1	492.75	3	484.44	0	0	3	484.44	1	492.75
10	Malappuram	1	1160.75	1	1160.75	3	350.38	0	0	3	350.38	1	1160.75
11	Kozhikode	4	209.35	4	209.35	0	0	0	0	0	0	4	209.35
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	3	1143.64	3	1143.64	1	417.23	0	0	1	417.23	3	1143.64
14	Kasargod	0	0	0	0	4	701.55	0	0	4	701.55	0	0
State Total		20	653.41	20	653.41	20	564.8	0	0	20	564.8	20	653.41

**Annual review of crop statistics 2017-18**

**Table 15(i)**

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

**STATE:KERALA**

**YEAR:2017-18**

**STATE SAMPLE**

**SEASON:PERENNIAL**

**CROP:ARECANUT**

Sl.No.	District	No. of Experiments		At post harvest	Lost	Rejected for analysis	For which schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	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				
State Total		40	40				

**Annual review of crop statistics 2017-18**

**Table 15(ii)**

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

**STATE:KERALA**

**YEAR:2017-18**

**CENTRAL SAMPLE**

**SEASON:PERENNIAL**

**CROP:ARECANUT**

Sl.No.	District	No. of Experiments		At post harvest	Lost	Rejected for analysis	For which schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	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				
State Total		40	40				

# Annual review of crop statistics 2017-18

Table 15(iii)

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

STATE: KERALA

YEAR: 2017-18

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	924.45	4	924.45	0	0	4	924.45	4	924.45
2	Kollam	4	0	0	0	0	0	0	0	0	4	779.62	4	779.62	0	0	4	779.62	4	779.62
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	0	0	2	1006.78	2	1006.78	0	0	2	1496.24	2	1496.24	0	0	4	1251.51	4	1251.51
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	2782.88	0	0	1	2782.88	0	0	3	1246.68	3	1246.68	1	2782.88	3	1246.68	4	1630.73
8	Thrissur	4	0	0	0	0	0	0	4	820	0	0	4	820.45	4	820.45	0	0	4	820.45
9	Palakkad	4	0	0	0	0	0	0	2	1803	2	960.82	4	1381.9	2	1802.97	2	960.82	4	1381.9
10	Malappuram	4	0	0	0	0	0	0	3	796	1	261	4	662.4	3	796.2	1	261	4	622.4
11	Kozhikode	4	1	1130.47	0	0	1	1130.47	0	0	3	1270.63	3	1270.63	1	1130.47	3	1270.63	4	1235.59
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	1995	2	1591.46	4	1793.31	2	1995.15	2	1591.46	4	1793.31
14	Kasargod	4	0	0	0	0	0	0	4	1446	0	0	4	1446.36	4	1446.36	0	0	4	1446.36
State Total		40	2	1956.67	2	1006.78	4	1481.73	15	1270	21	1082.2	36	1160.51	17	1350.91	23	1075.64	40	1192.63

**Annual review of crop statistics 2017-18**

**Table 15(iv)**

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

STATE: KERALA			YEAR: 2017-18						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	Thiruvanantha-puram	4	0	0	0	0	0	0	0	0	4	585.31	4	585.31	0	0	4	585.31	4	585.31		
2	Kollam	4	0	0	1	1938.5	1	1938.5	0	0	3	1239.23	3	1239.23	0	0	4	1414.05	4	1414.05		
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
5	Kottayam	4	0	0	2	2989.13	2	2989.13	0	0	2	2788.44	2	2788.44	0	0	4	2888.79	4	2888.79		
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	1	745.9	1	745.9	0	0	3	2210.92	3	2210.92	0	0	4	1844.67	4	1844.67		
8	Thrissur	4	0	0	0	0	0	0	4	1112	0	0	4	1112.02	4	1112.02	0	0	4	1112.02		
9	Palakkad	4	0	0	0	0	0	0	2	2370	2	1321.41	4	1845.6	2	2370	2	1321.41	4	1845.6		
10	Malappuram	4	0	0	0	0	0	0	2	461	2	407.81	4	434.61	2	461.4	2	407.81	4	434.61		
11	Kozhikode	4	0	0	0	0	0	0	1	1302	3	1543.21	4	1482.81	1	1302	3	1543.21	4	1482.81		
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	2056.86	4	2056.86	0	0	4	2056.86	4	2056.86		
14	Kasargod	4	0	0	0	0	0	0	4	2569	0	0	4	2569.43	4	2569.43	0	0	4	2569.43		
State Total			40	0	0	4	2165.67	4	2165.67	13	1668	23	1503.66	36	1563.16	13	1668.45	27	1601.73	40	1623.41	

**Annual review of crop statistics 2017-18**

**Table 15(v)**

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

**STATE: KERALA**

**YEAR: 2017-18**

**SEASON: PERENNIAL**

**CROP: ARECANUT**

**STATE SAMPLE**

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers									Expts. Not treated with Fertilizers	
						No. of Expts.					Rate of Application					
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Thiruvananthapuram	4	924.45	0	0	0	0	0	0	0	0	0	0	4	924.45	
2	Kollam	4	779.62	0	0	0	0	0	0	0	0	0	0	4	779.62	
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Kottayam	4	1251.51	0	0	0	0	0	0	0	0	0	0	4	1251.51	
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	Ernakulam	4	1630.73	0	0	0	0	0	0	0	0	0	0	4	1630.73	
8	Thrissur	4	820.45	0	0	0	0	0	0	0	0	0	0	4	820.45	
9	Palakkad	4	1381.9	0	0	0	0	0	0	0	0	0	0	4	1381.9	
10	Malappuram	4	662.4	0	0	0	0	0	0	0	0	0	0	4	662.4	
11	Kozhikode	4	1235.59	0	0	0	0	0	0	0	0	0	0	4	1235.59	
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kannur	4	1793.31	0	0	0	0	0	0	0	0	0	0	4	1793.31	
14	Kasargod	4	1446.36	0	0	0	0	0	0	0	0	0	0	4	1446.36	
State Total		40	1192.63	0	0	0	0	0	0	0	0	0	0	40	1192.63	
Table contd.																

Table contd.



# Annual review of crop statistics 2017-18

Table 15(v)

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

STATE: KERALA		YEAR: 2017-18				SEASON: PERENNIAL				CROP:ARECANUT				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	930.79	2	930.79	2	918.11	0	0	2	918.11	2	930.79		
2	Kollam	2	1087.70	2	1087.70	2	471.53	0	0	2	471.53	2	1087.70		
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0		
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0		
5	Kottayam	4	1251.51	4	1251.51	0	0	0	0	0	0	4	1251.51		
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0		
7	Ernakulam	2	2040.14	2	2040.14	2	1221.33	0	0	2	1221.33	2	2040.14		
8	Thrissur	4	820.45	4	820.45	0	0	0	0	0	0	4	820.45		
9	Palakkad	4	1381.9	4	1381.9	0	0	0	0	1	1516.11	4	1381.9		
10	Malappuram	1	738.71	1	738.71	2	2703.18	0	0	2	675.79	1	738.71		
11	Kozhikode	2	1621.74	2	1621.74	3	943.11	0	0	2	849.43	2	1621.74		
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0		
13	Kannur	3	1936.47	3	1936.47	1	1363.82	0	0	1	1363.82	3	1936.47		
14	Kasargod	4	1446.36	4	1446.36	0	0	0	0	0	0	4	1446.36		
State Total		28	1339.63	28	1339.63	12	1235.12	0	0	12	929.36	28	1339.63		

**Annual review of crop statistics 2017-18**

**Table 15(vi)**

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

**STATE: KERALA**

**YEAR: 2017-18**

**SEASON: PERENNIAL**

**CROP: ARECANUT**

**CENTRAL SAMPLE**

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers									Expts. Not treated with Fertilizers	
						No. of Expts.					Rate of Application					
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Thiruvananthapuram	4	585.31	0	0	0	0	0	0	0	0	0	0	4	585.31	
2	Kollam	4	1414.05	0	0	0	0	0	0	0	0	0	0	4	1414.05	
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Kottayam	4	2888.79	1	3933.48	1	1	1	1	3933.48	98	39	49	3	2540.56	
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	Ernakulam	4	1844.67	0	0	0	0	0	0	0	0	0	0	4	1844.67	
8	Thrissur	4	1112.02	0	0	0	0	0	0	0	0	0	0	4	1112.03	
9	Palakkad	4	1845.6	0	0	2	2	2	2	2369.79	165	165	165	2	1321.41	
10	Malappuram	4	434.61	0	0	1	0	0	1	424.12	92	0	0	3	438.10	
11	Kozhikode	4	1482.81	0	0	0	0	0	0	0	0	0	0	4	1482.81	
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kannur	4	2056.86	0	0	0	0	0	0	0	0	0	0	4	2056.86	
14	Kasargod	4	2569.43	0	0	0	0	0	0	0	0	0	0	4	2569.43	
State Total		40	1623.41	1	3933.48	4	3	3	4	2274.29	118.33	102	107	36	1551.09	
Table contd.																

Table contd.

# Annual review of crop statistics 2017-18

Table 15(vi)

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

STATE: KERALA		YEAR: 2017-18				SEASON: PERENNIAL				CROP: ARECANUT		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	0	0	4	585.31	0	0	4	585.31	0	0
2	Kollam	2	1841.69	2	1841.69	2	986.41	0	0	2	986.41	2	1841.69
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	0	0	0	0	4	2888.79	0	0	3	2540.56	1	3933.48
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	2	655.04	2	655.04	2	3034.29	0	0	2	3034.29	2	655.04
8	Thrissur	2	1408.08	2	1408.08	2	815.97	0	0	2	815.97	2	1408.08
9	Palakkad	0	0	2	2369.79	2	1321.41	2	2369.79	2	1321.41	2	2369.79
10	Malappuram	1	461.41	2	442.76	2	426.45	1	424.12	2	426.45	2	442.76
11	Kozhikode	2	763.86	2	763.86	2	2201.77	0	0	2	2201.77	2	763.86
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	1616.76	1	1616.76	3	2203.57	0	0	3	2203.57	1	1616.76
14	Kasargod	4	2569.43	4	2569.43	0	0	0	0	0	0	4	2569.43
State Total		14	1549.52	17	1579.82	23	1655.64	3	1721.23	22	1552.10	18	1710.58

**Annual review of crop statistics 2017-18**

**Table 16(i)**

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

**State: Kerala**

**Year: 2017-18**

Crop	Agency	Item of Equipment	No of experiments supervised (Harvest and Post harvest) for which equipment was												Information about supply not available	Total of columns 8,13 & 14
			Supplied						Not Supplied							
			And Used	But used locally procured one		But not used 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	100	
		Balance	99	0	0	0	1	100	0	0	0	0	0	0	100	
		Weight	72	0	0	0	22	94	0	0	0	6	6	0	100	
		Pegs	94	0	0	0	0	94	6	0	0	0	6	0	100	
	C	Tape	84	10	2	0	2	98	2	0	0	0	2	0	100	
		Balance	78	15	0	0	2	95	4	0	1	0	5	0	100	
		Weight	49	10	0	1	2	62	5	0	0	25	30	0	92	
		Pegs	49	18	4	0	2	73	19	8	0	0	27	0	100	
Paddy (Winter)	S	Tape	100	0	0	0	0	100	0	0	0	0	0	0	100	
		Balance	99	0	0	0	1	100	0	0	0	0	0	0	100	
		Weight	68	0	0	0	25	93	0	0	0	7	7	0	100	
		Pegs	96	0	0	0	0	96	4	0	0	0	4	0	100	
	C	Tape	91	8	0	0	0	99	1	0	0	0	1	0	100	
		Balance	83	16	0	0	0	99	0	0	1	0	1	0	100	
		Weight	51	12	0	1	1	65	2	0	0	26	28	0	93	
		Pegs	41	28	10	0	0	79	11	10	0	0	21	0	100	
Paddy (Summer)	S	Tape	98	2	0	0	0	100	0	0	0	0	0	0	100	
		Balance	98	0	0	0	2	100	0	0	0	0	0	0	100	
		Weight	61	0	0	0	27	88	0	0	0	12	12	0	100	
		Pegs	94	0	0	0	0	94	6	0	0	0	6	0	100	
	C	Tape	84	8	0	0	6	98	2	0	0	0	2	0	100	
		Balance	90	10	0	0	0	100	0	0	0	0	0	0	100	
		Weight	56	8	0	0	7	71	2	0	0	23	25	0	96	
		Pegs	42	25	6	0	0	73	17	10	0	0	27	0	100	

**Annual review of crop statistics 2017-18**

**Table 16(ii)**

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

**State: Kerala**

**Year: 2017-18**

Crop	Agency	Item of Equipment	No of experiments supervised (Harvest and Post harvest) for which equipment was												Information about supply not available	Total of columns 8,13 & 14
			Supplied						Not Supplied							
				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	39	0	0	0	1	40	0	0	0	0	0	0	40	
		Balance	38	0	0	0	2	40	0	0	0	0	0	0	40	
		Weight	27	0	0	0	9	36	0	0	0	4	4	0	40	
		Pegs	32	0	0	0	8	40	0	0	0	0	0	0	40	
	C	Tape	37	0	0	0	0	37	0	0	0	1	1	0	38	
		Balance	35	2	0	0	0	37	1	0	0	0	1	0	38	
		Weight	24	0	0	0	0	24	1	0	0	9	10	0	34	
		Pegs	13	7	0	0	2	22	10	5	0	1	16	0	38	
Banana	S	Tape	6	0	0	4	40	50	0	0	0	0	0	0	50	
		Balance	50	0	0	0	0	50	0	0	0	0	0	0	50	
		Weight	32	0	0	0	15	47	0	0	0	3	3	0	50	
		Pegs	0	0	0	4	46	50	0	0	0	0	0	0	50	
	C	Tape	6	0	0	0	32	38	0	0	0	12	12	0	50	
		Balance	32	16	0	0	0	48	2	0	0	0	2	0	50	
		Weight	20	12	0	0	0	32	2	0	0	12	14	0	46	
		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	2	0	0	0	48	50	0	0	0	0	0	0	50	
		Weight	0	0	0	0	46	46	0	0	0	4	4	0	50	
		Pegs	0	0	0	0	50	50	0	0	0	0	0	0	50	
	C	Tape	2	4	0	0	32	38	0	0	0	12	12	0	50	
		Balance	4	0	0	0	40	44	0	0	0	6	6	0	50	
		Weight	2	0	0	0	36	38	0	0	0	10	10	0	48	
		Pegs	0	0	0	0	40	40	0	0	0	10	10	0	50	

**Annual review of crop statistics 2017-18**

**Table 16(ii)**

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

**State: Kerala**

**Year: 2017-18**

Crop	Agency	Item of Equipment	No of experiments supervised (Harvest and Post harvest) for which equipment was												
			Supplied						Not Supplied					Information about supply not available	Total of columns 8,13 & 14
				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
Pepper	S	Tape	8	0	0	0	32	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	16	40	0	0	0	0	0	0	40
		Pegs	0	0	0	0	40	40	0	0	0	0	0	0	40
	C	Tape	3	0	0	0	35	38	0	0	0	2	2	0	40
		Balance	32	6	0	0	0	38	2	0	0	0	2	0	40
		Weight	18	4	0	0	4	26	2	0	0	8	10	0	36
		Pegs	0	0	0	0	34	34	0	0	1	5	6	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	21	0	0	0	19	40	0	0	0	0	0	0	40
		Pegs	0	0	0	0	40	40	0	0	0	0	0	0	40
	C	Tape	2	0	0	0	29	31	0	0	0	9	9	0	40
		Balance	35	5	0	0	0	40	0	0	0	0	0	0	40
		Weight	20	4	0	0	2	26	0	0	0	10	10	0	36
		Pegs	0	0	0	0	29	29	0	0	0	11	11	0	40

**Annual review of crop statistics 2017-18**  
**Table 17(i)**

**Comparison of Yield Rates (Kg/Ha) of Rice Under GCES and ICS 2017-18**

**State:Kerala**

**Year:2017-18**

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	2813	2631.69	2501.46	2539	2814.98	3346.76	2414	1741.22	2977.76
2	Kollam	2399	2127.29	2065.44	2244	2399.23	1354.34	2058	2308.10	2486.06
3	Pathaanamthitta	1136	1474.01	1522.16	2322	2505.57	2680.04	2994	2619.23	1558.27
4	Alappuzha	2816	1012.56	1825.41	2942	919.48	1754.35	2940	3102.14	2263.81
5	Kottayam	2576	2069.45	2276.59	2830	1677.05	2603.44	2995	2704.69	3295.57
6	Idukki	2384	2217.45	2422.39	2843	3007.69	2457.65	2922	1480.96	2962.54
7	Ernakulam	1998	2101.48	1583.55	2543	2664.13	2507.80	2394	1353.27	2293.45
8	Thrissur	2132	1815.88	1771.88	2980	2705.98	1848.24	3715	4200.91	3909.06
9	Palakkad	2563	2857.08	1896.82	2707	2550.97	2680.50	2727	2626.65	2703.72
10	Malappuram	2089	1498.44	1793.93	2621	2397.37	1531.55	3977	3941.11	2490.18
11	Kozhikode	1269	793.66	1115.93	1165	700.16	855.41	2276	1284.36	1369.19
12	Wayanad	0	0	0	2743	1294.38	3175.96	2394	1265.91	1876.41
13	Kannur	2203	2254.17	2332.61	2156	2146.83	1254.50	2000	3585.89	1721.86
14	Kasargod	2448	2472.91	2982.02	2149	1312.51	2847.29	2478	2845.37	2833.50
State Total		2555	1902.01	1902.80	2699	2159.47	2136.11	3088	2469.65	2508.26

**Annual review of crop statistics 2017-18**  
**Table 17(ii)**

**Comparison of Yield Rates (Kg/Ha) of Important Crops Under GCES and ICS 2017-18**

**State:Kerala**

**Year:2017-18**

Sl.No.	District	Tapioca			Banana		
		GCES	ICS		GCES	ICS	
			State Sample	Central Sample		State Sample	Central Sample
1	Thiruvananthapuram	36038	24000	34000	7283	10483.33	12566.67
2	Kollam	34117	21912.5	41906.25	6948	16891.67	12968.33
3	Pathaanamthitta	43856	0	0	7497	18733.33	13919
4	Alappuzha	34458	0	0	7603	13341.67	8891.67
5	Kottayam	42831	29781.25	30312.5	8402	21000	18775
6	Idukki	43046	0	0	9700	0	0
7	Ernakulam	46693	60625	72937.5	9381	14950	11200
8	Thrissur	44990	29500	17483.75	8914	15383.33	14575
9	Palakkad	30918	27531.25	26875	11157	17694.44	14305.56
10	Malappuram	37091	41968.75	37718.75	8044	17733.33	15783.33
11	Kozhikode	29923	29375	24750	8390	18225	13693.33
12	Wayanad	36179	0	0	8349	0	0
13	Kannur	41609	42062.5	41625	8456	13566.67	14433.33
14	Kasargod	31961	14406.25	31000	9872	16900	14650
State Total		38427	32116.25	35860.88	9111	16300	13833.12



**Annual review of crop statistics 2017-18**  
**Table 17(ii)**

**Comparison of Yield Rates (Kg/Ha) of Important Crops Under GCES and ICS 2017-18**

**State:Kerala**

**Year:2017-18**

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	8251	10101.5	8410.35	349	1025.65	544.26	555	924.45	585.31
2	Kollam	6366	10164	9534	287	279.92	302.84	650	779.62	1414.05
3	Pathaanamthitta	5817	0	0	368	0	0	610	0	0
4	Alappuzha	5587	10593.9	6553.05	202	0	0	270	0	0
5	Kottayam	5387	15440.1	7789.6	402	396.51	1079.91	761	1251.51	2888.79
6	Idukki	3910	5888.75	6685	559	0	0	843	0	0
7	Ernakulam	4278	8516.75	8265.95	257	304.67	289.45	704	1630.73	1844.67
8	Thrissur	5832	8682.9	6004.9	312	514.2	962.15	778	820.45	1112.02
9	Palakkad	7660	5056	11486.6	387	350.86	486.52	844	1381.9	1845.6
10	Malappuram	8136	5962.4	8932	192	355.81	552.97	892	662.4	434.61
11	Kozhikode	7221	9503	9395.5	173	220.71	209.35	1002	1235.59	1482.81
12	Wayanad	5980	0	0	317	0	0	405	0	0
13	Kannur	5595	4588.5	8473.5	340	658.47	962.04	1267	1793.31	2056.86
14	Kasargod	9212	8455.8	10699.8	540	461.04	701.55	2344	1446.36	2569.43
State Total		6859	8438.53	8637.88	446	456.78	609.1	1147	1192.63	1623.41





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