

## **PART I - GENERAL INFORMATION ABOUT THE KVK**

### **1.1. Name and address of KVK with phone, fax and e-mail**

KVK Address	Telephone		E mail	Web Address
	Office	Fax		
ICAR- Krishi Vigyan Kendra, Hittinihalli farm P.O.Box No.18, VIJAYAPURA- 586101	08352- 230758	08352- 230758	<a href="mailto:kvkVijayapura@gmail.com">kvkVijayapura@gmail.com</a> <a href="mailto:kvk.Vijayapura1@icar.gov.in">kvk.Vijayapura1@icar.gov.in</a>	<a href="http://www.kkvijayapura.org">www.kkvijayapura.org</a>

### **1.2. Name and address of host organization with phone, fax and e-mail**

Address	Telephone		E mail	Web Address
	Office	Fax		
University of Agricultural Sciences, Krishi Nagar, Dharwad-05	0836- 2447494	0836- 2748199	<a href="mailto:deuasd@rediffmail.com">deuasd@rediffmail.com</a> <a href="mailto:de@uasd.in">de@uasd.in</a>	<a href="http://www.uasd.edu.in">www.uasd.edu.in</a>

### **1.3. Name of the Programme Coordinator with phone & mobile No**

Name	Telephone / Contact		
	Residence	Mobile	Email
<b>Dr.S.A.Biradar</b> Sr. Scientist & Head KVK, Vijayapura	08352-230758	9448495346	<a href="mailto:kvkVijayapura@gmail.com">kvkVijayapura@gmail.com</a> <a href="mailto:sabiradar1@gmail.com">sabiradar1@gmail.com</a>

### **1.4. Year of sanction: 2004**

**1.5. Staff position as on 31 March 2019**

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/ F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC/ST/OBC/ Others)
1	Head/Senior Scientist	Dr.S.A.Biradar	Senior Scientist & Head	M	Agronomy	M.Sc(Agri.) Ph.D	37400-67000	46400	27.07.2017	Per.	Others
2	Scientist/SMS	Dr.S.M.Vastrad	Scientist	M	Plant Protection	M.Sc(Agri.) Ph.D	15600-39100	32940	01.03.2006	Per.	Others
3	Scientist/SMS	Dr.Prema B. Patil	Scientist	F	Home Science	M.Sc(Home Science) Ph.D	15600-39100	35000	22.06.2007	Per.	Others
4	Scientist/SMS	Dr.Sangeeta Jadhav	Scientist	F	Animal science	M.V.Sc	15600-39100	21600	28.04.2017	Per.	SC
5	Scientist/SMS	Dr.Vivek Devarnavadagi	Scientist	M	Ag. Engineering	M.Tech (Agri. Engineering)	15600-39100	24840	06.02.2018	Per.	OBC
6	Scientist/SMS	Vacant	Scientist	-	Horticulture	-	-	-	-	-	-
7	Scientist/SMS	Vacant	Scientist	-	Agronomy	-	-	-	-	-	-
8	Programme Assistant ( Lab Tech.)	Mr.B.C.Kolhar	Technical officer	M	<b>Agronomy</b>	-	-	-	25.07.2018	Per.	OBC
9	Programme Assistant (Computer)	Mr.S.C.Rathod	Technical officer	M	Computer programmer	MCA	9300-38400	17650	16.12.2008	Per.	SC
10	Programme Assistant/ Farm Manager	Mr.Mallappa B	Farm Manager	M	Farm Manager	M.Sc(Agri.)	9300-38400	14330	01.08.2017	Per.	SC
11	Assistant	Mr.S.E.Badiger	Senior Assistant	M	Sr. Assistant	MA	20000-36300	28100	01.04.2004	Per.	OBC
12	Jr. Stenographer	Vacant	-	-	Typist	-	-	-	-	-	-
13	Driver - 1	Mr.Anand Patil	Driver	M	-	-	21400-42000	21400	14.06.2018	Per.	OBC
14	Driver - 2	Vacant	-	-	Driver	-	-	-	-	-	-
15	SS-1	Vacant	-	-	Cook cum care taker	-	-	-	-	-	-
16	SS-2	Smt.Shridevi Goudannavar	Messenger	F	Messenger	BA	9600-14550	10400	20.01.2014	Per.	OBC

**1.6. Total land with KVK (in ha): 20.15 ha**

S. No.	Item	Area (ha)
1	Under Buildings	1.77
2.	Under Demonstration Units	1.10
3.	Under Crops	16.00
4.	Orchard/Agro-forestry	1.28
5.	Others	-

**1.7. Infrastructural Development:**

**A) Buildings**

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	10.01.2010	550	71,90,000	-	-	Constructed
2.	Farmers Hostel							
3.	Staff Quarters							
4.	<b>Demonstration Units</b>							
	1. Seed hub godowan	ICAR	April -2017	354.96	35,00,000	-	-	Constructed
	2. Shade net	ICAR	March- 2018	-	300000	-	-	Constructed
	3. Goat shed	ICAR	March -2018	-	100000	-	-	Constructed
5	Fencing							
6	Rain Water harvesting system	ICAR	April -2008	3165 cum	8,60,726	-	-	Constructed
7	Threshing floor							
8	Farm godown							

**B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor	2003	324238	7560	Not working
Mahindra Bolero	2017	800000	48925	Good
Hero Honda KA-25 EC-7517	2009	49500	04002	Good
Hero Honda KA-25 EC-7527	2009	49500	73811	Good

**C) Equipment & AV aids**

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Godrej copier G-87152 FFKG-87152	80234	3/31/2001	Not in use
2 KV Stabilizer	6000	3/31/2001	Good Condition
Philips Galaxy overhead projector	23000	3/31/2001	Not in use
Single furrow R. P.	20250	3/30/2001	Good Condition

Tine Tiller with seeding attachment	26150	3/30/2001	Good Condition
Leveler three in one	14500	3/30/2001	Good Condition
Hakims Display Board	10150	9/24/2003	Not in use
Handy Image Presenter	53760	9/25/2003	Not in use
Ex K-2000 AC portable honda silent generator	37566	3/29/2003	Good Condition
Electronic Weigh Machine	57000	12/29/2004	Good Condition
Shaking machine	47025	10/4/2005	Good Condition
Electronics automatic KEL plus model KES-061	142814	1/13/2005	Good Condition
Flame Photometer	32040	1/31/2005	Good Condition
pH. Meter	8900	1/31/2005	Good Condition
Scanning visible spectro phtoto meter	40050	1/31/2005	Good Condition
FCCM-183 analyzer with ATC probe	9790	2/12/2005	Good Condition
Hot air oven	17220	2/18/2005	Good Condition
Voltas Refrigerator 220 capacity	10765	3/10/2005	Good Condition
Hp computer	32000	4/11/2006	Good Condition
Hitachi cp X 251 2000 LUXGA	51989	12/1/2006	Good Condition
Laptop	51442	3/31/2007	Good Condition
HP Laser Jet	16252	3/31/2007	Good Condition
Seedrill cum bund farmers	3050	8/24/2007	Good Condition
Toshiba E-studio 167 Model-DP-1670	55120	4/24/2008	Not in use
Write well Pin-up boards stands	21200	9/2/2008	Good Condition
HCL Infiniti cove 2 Duo Desktop computer system.	46000	9/13/2008	Good Condition
Hitachi LCD projector model Cp-x-1FF	40788	9/22/2008	Good Condition
Usha tailor model sewing machine	23650	3/19/2010	Good Condition
H.P.Make colour multifunction device model	45318	3/31/2010	Good Condition
Tractor operated post hole dig	42748	3/20/2012	Good Condition
HTP pump with oil engine	20889	8/31/2012	Good Condition
Milking machine- single bucket power operated	42000	3/30/2013	Not in use

## 1.8. Details of SAC meeting conducted during 2018-19

Date	Number of Participants	Salient Recommendations	Action taken	Remarks, if any
12.06.2018	62	Programme on dairy technology and production of new fodder variety seeds needs to be conducted in Muddebihal taluk.	Fodder seeds have been distributed to five farmers under FLD and a training programme has been conducted at Hullur village.	
		Training programme on management of saline soils need to be conducted in Muddebihal taluk	One training has been conducted in Hullur village of Muddebihal taluk.	
		Training on benefit of dairy farming need to be conducted as different breeds of cows are being reared in Vijayapura taluk.	Two trainings have been conducted on dairy farming and visited Desi cow farm, buffalo farm and cross breed farm.	
		Training programme on management of pink boll worm in Bt cotton needs to be conducted as the problem of this pest is increasing.	Three training programmes have been conducted at APMC Vijayapur, Hullur and B.Bagewadi .	
		As there is demand for seedlings of lime, guava , jamun and mango, it needs to be produced in large scale and also technical information needs to be provided.	Seedlings are being produced and marketed and technical information is given through Radio talks, consultancy and distribution of folders.	
		Interface meeting between the bankers and the farmers, SHG group members need to be organized to make them financially literate	One interface meeting is being conducted NABFINS regional manager and NABFINS district manager , Vijayapur shared the financial facilities available for women SHGs.	
		Information on amla crop and its value addition needs to be imparted to the farmers.	Importance of amla , health benefits and its value addition was given in the trainings conducted under FLD on nutrifarms	

		Impact of technologies imparted by KVK and EEU need to be studied by PG students of extension education department and economics department.	One research study has been allotted to a PG student of Extension department, AC Vijayapur during the current year	
		As the demand for organic seedlings production is on the rise, seedlings need to be produced.	Organic Redgram , Lime, Guava , Pomegranate , Drumstic seedlings are already being produced and marketed.	
		Demonstrations on management of wilt and nematode in lime using neem cake and organic bio fertilizers needs to be conducted.	Five demos have been conducted in Nagthan village.	
		Two times nipping in chickpea needs to be promoted through OFT	Feeler trial has been conducted at KVK Vijayapur and an OFT is being proposed during 2019-20.	
		Training on terrace gardening for urban women needs to be organized	One training on terrace gardening has been conducted.	
		Each Scientist working in KVK needs to write and publish at least one popular article per month.	Twenty two popular articles have been published.	
		Striga management in Sugarcane using microbial consortia needs to be promoted through demonstrations under the guidance of Dr. Jones Nirmalnath	This has been initiated in Hullur village in sugarcane (1 quintal microbial consortia is used for 5 trials)	

**PART II - DETAILS OF DISTRICT**

## 2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
01	<p>The <i>Kharif</i> crops are mainly grown in shallow eroded black soils (chalka soils), shallow light soils and sandy loams. On account of their low moisture retentive capacity, better infiltration rate, these soils get moistened with early rains in the month of June. The important <i>kharif</i> crops grown are pigeon pea, bajra, maize, onion, greengram, groundnut and sunflower. Besides these main crops, horsegram and sesamum are the other crops grown. Common mixed cropping systems in the region are bajra+redgram and groundnut +redgram. Minor pulses like blackgram and cowpea are also grown as mixed crops along with the above main crops, mainly in talukas which have shallow black or red sandy loam soils. The monsoon (<i>Kharif</i>) cropping situation covers to an extent of 25-30% of the total net cropped areas.</p> <p>If favorable early <i>kharif</i> monsoon rains are received, the medium black soils are put under double cropping. greengram, groundnut and sunflower are grown in the <i>kharif</i> season followed by sorghum, safflower and bengalgram in <i>rabi</i> season, Such double cropping situation occurs once in 3-4 years. In deep black soils onion followed by <i>Rabi</i> sorghum relay cropping system is followed.</p> <p>In this region, <i>rabi</i> (post- monsoon) crops are predominately grown, covering about 56 percent of the total sown area due occurrence of vertisols and assured rainfall received by North East monsoon in the months of September and October. The important <i>rabi</i> crops grown are <i>rabi</i> sorghum, sunflower, bengalgram and wheat. Under irrigation, where water supply is assured, generally fruit crops like banana, grape, pomegranate and lime are grown extensively in Vijayapura.</p> <p>In canal irrigated command areas, double cropping is in vogue. In black soils, Bt. cotton, maize, sunflower and pulses are grown in the <i>kharif</i> season followed by sorghum, bengalgram, wheat and sunflower in <i>rabi/summer</i>. In irrigated red soils, hybrid cotton, groundnut, maize and pulses are grown in <i>kharif</i> season followed by sunflower, maize, wheat and groundnut.</p>

## 2.2 Description of Agro-climatic Zone &amp; major agro ecological situations (based on soil and topography)

S. No	Agro-climatic Zone	Characteristics
1	Rainfall	Vijayapura district is characterized by the lowest rainfall in Karnataka state with an average rainfall of 579.0 mm. The district comprises five talukas namely Basavana Bagewadi, Vijayapura, Muddebihal, Indi and Sindagi. The five talukas receive rainfall between 565 to 635 mm. About 60 per cent of the annual rainfall is received in the normal monsoon season (June-September), 14 per cent in the pre monsoon (April-May) and about 23 per cent in the post monsoon months (October-November) Generally the remaining months are dry.
2	Temperature	The mean monthly maximum temperature varies from 29.5°C (December) to a maximum of 40.5 °C (April). The mean monthly minimum temperatures are lowest (15.5°C) during January, which increases gradually to maximum of about 23.3 °C (May)
3	Relative Humidity	The moisture content of the air in the district varies from about 35 per cent during February, March and April to a maximum of about 70 per cent in July, August and September.
4	Wind velocity	The district is characterized by high wind velocity especially during monsoon months. The wind speed varies between 3.6 KMPH (December) to 13.2 KMPH (July)

S. No	Agro ecological situation	Characteristics
1	Rainfed cropping in Monsoon ( <i>Kharif</i> )	Soils are shallow black( chalka) shallow light soil and red sandy loams because of better infiltration rate they get moistened with early rain in the month of June-July sufficient to take up sowing of <i>kharif</i> crops. Due to low water holding capacity of these soils and higher evaporative demand due to very high wind velocity during July and August month result in poor yields <b>Tqs:</b> B. Bagewadi, Indi, Sindgi and Vijayapura <b>Crops:</b> Bajra, greengram, redgram, sunflower, onion and groundnut



2	Rainfed cropping in Monsoon ( <i>Rabi</i> )	Deep black soils with more than 60 cm depth, the clay content of these soils is around 60% and hence very low infiltration rate. Available water holding capacity of these soils is around 6 cm to 30cm. The crops grown in the post monsoon season have to mature on the residual soil moisture only. <b>Tqs:</b> B. Bagewadi, Muddebihal, Sindgi and Vijayapura <b>Crops:</b> <i>Rabi</i> sorghum, bengalgram and sunflower
3	Rainfed in both monsoon and post monsoon	Soils are medium deep black, fine red clay loam, red and black mixed soils. These soils have around 30-50 % clay content with Infiltration rate and fairly high water holding capacity. Poor investment capacity of the farmers in dry areas and lack of suitable non-cash inputs. Tqs: B. Bagewadi, Indi, Sindgi, Muddebihal and Vijayapura Crops: Bajra, greengram, redgram, sunflower, onion and groundnut
4	Medium deep black soil with <i>kharif</i> irrigation	Tqs: B. Bagewadi Crops: Onion, maize, cotton and redgram
5	Red soil and shallow soils with <i>kharif</i> irrigations	Tqs: Indi Crops: Groundnut
6	Medium to deep black soil with <i>rabi</i> irrigation	Tqs: B. Bagewadi, Indi, Sindgi Crops: Wheat and Onion
7	Cropping with bi seasonal irrigation	Tqs: Indi and Vijayapura Crops: Cotton and redgram
8	Cropping with perennial irrigation	Tqs: Indi, Sindgi and Vijayapura Crops: Sugarcane, grape, pomegranate, banana and lime

### 2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Shallow black soil	Shallow black soils are generally noticed in Indi, Sindagi and Vijayapura talukas and to some extent in Bagewadi and Muddebihal talukas. The clay content of these soils is around 40 percent with moderate infiltration rate. The available water holding capacity of these varies between 3-4 cm per 30 cm soil depth. These soils generally belong to land capability class between III and IV.	2,62,586

2	Medium black soil	Medium deep black soils occur predominantly in Bagewadi, Vijayapura and Sindagi talukas. These soils have clay content around 50 per cent with low to moderate infiltration rate. Generally they belong to land capability class between II and III. The available water holding capacity of these soils is around 5 cm per 30 cm	4,01,737
3	Deep Black soils	Deep black soils predominately occur in Muddebihal, Vijayapura and B.Bagewadi talukas, The clay content of these soils is around 60 per cent and hence have very low infiltration rate. In general, these soils fall under land capability class-II. Post – monsoon cropping is most common on these soils. The available water holding capacity of these soils is around 6 cm per 30 cm soil depth.	2,34,113
4	Red loam soils	This type of soil is found in immediate association with black soils and near hillocks .The depth varies from 15 to 100 cm and the clay content is around 30 percent according to topography and parent material from which they are formed and extent of weathering. These soils show moderate to good infiltration rate. The soils are neutral to slightly alkaline in reaction, deficient in nitrogen and phosphorus but contain moderate amount of potassium. The soil can hold about 4 cm of available water per 30 cm soil depth.) The soils generally fall under land capability class-III. Such soils are predominantly found in B.Bagewadi and Indi talukas Such soils are predominantly put under <i>kharif</i> crops and under favorable seasonal conditions double cropping is noticed.	48,061
5	Red sandy soils	Red soils are derived from any one of the four parent materials viz. granite, gneiss, quartz or sand stone. The soils originated from granites or gneiss exhibit deep red or brown colour due to the presence of ferric oxide to the extent of 5 to 8 percent with varying degrees of hydration. The depth of soil varies according to topography. Soil depth to an extent of 2.0 m is also noticed. The ph of soil varies from 6.5 to 7.5 .The profile is invariably free from lime and contains a few iron concretions scattered throughout the profile. The soils have good drainage and high infiltration rate. They respond well to manuring and irrigation.	20,230

**2.4. Area, Production and Productivity of major crops cultivated in the district**

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
	<b>Crop production</b>			
1.	Maize (K)	40207	264071	3848
2.	Bajra	20156	44256	840
3.	Redgram	135696	51836	633
4.	Groundnut	24779	25629	676
5.	Sunflower	45335	25658	364
6.	Cotton	7717	30313	419
7.	Sugarcane	65136	2770006	78t/ha
8.	Sorghum	176980	205883	932
9.	Wheat	53842	49632	1003
10.	Bengal gram	322020	95013	551
11.	Safflower	13809	1367	372
12.	Linseed	3209	1190	399
13.	Sesamum	624	459	428
14.	Soybean	318	222	700
15.	Cotton	10524	7636(t)	372
16.	Sugarcane (K)	71343	1892149(t)	72(t/ha)
17.	Sugarcane ( <i>Rabi</i> )	21428	2142800(t)	100 (t/ha)
18.	Sugarcane (Summer)	4935	493500(t)	100 (t/ha)
19.	Sorghum	190629	59113	850
20.	Wheat	53842	49632	1003
21.	Bengal gram	156892	126428	703
22.	Safflower	13809	1367	372
23.	Linseed	3209	1190	399
	<b>Fruit crops</b>			
24.	Banana	1479	29580	20(t/ha)
25.	Lime	6815	170375	25(t/ha)
26.	Guava	128	2560	20(t/ha)
27.	Pomegranate	2606	26060	10(t/ha)
28.	Ber	327	9810	30(t/ha)
29.	Grape	10582	211640	20(t/ha)
30.	Papaya	36	2401	35(t/ha)
31.	Ber	327	9810	20(t/ha)
32.	Custard Apple	64	448	07(t/ha)
33.	Grape	5464	185261	15(t/ha)
34.	Fig	28	84	03(t/ha)
35.	Other fruit crops	95	380	04(t/ha)
	<b>Vegetable crops</b>			
36.	Tomato	924	31470	34.06(t/ha)
37.	Brinjal	925	23125	25(t/ha)
38.	Onion	13391	267820	20(t/ha)
39.	Onion	9756	43391	24(t/ha)
40.	Green chilli	1036	7252	07(t/ha)
41.	Sweet Potato	105	1260	12(t/ha)
42.	Cabbage	06	102	17(t/ha)
43.	Cauli flower	08	136	17(t/ha)
44.	Lady's finger	352	2464	07(t/ha)
45.	Radish	210	21100	10(t/ha)
46.	Beet root	05	65	13(t/ha)
47.	Carrot	195	4095	21(t/ha)

48.	Capsicum	49	441	09(t/ha)
49.	Cluster beans	128	1024	08(t/ha)
50.	Drum stick	102	1122	11(t/ha)
51.	Water melon	23	644	28(t/ha)
52.	Methi	195	1950	10(t/ha)
53.	Palak	115	1150	10(t/ha)
54.	Amaranthus	37	296	08(t/ha)
55.	Curry leaves	120	600	05(t/ha)
56.	Other leafy vegetables	133	665	05(t/ha)
57.	Ash gourd	10	210	21(t/ha)
58.	Snake gourd	51	867	17(t/ha)
59.	Bitter gourd	86	774	09(t/ha)
60.	Ridge gourd	120	960	08(t/ha)
61.	Other gourds	66	660	10(t/ha)
62.	Other vegetables	126	882	07(t/ha)
	<b>Spice crops</b>			
63.	Tamarind	240	1200	05(t/ha)
64.	Turmeric	61	549	09(t/ha)
65.	Garlic	201	1608	8(t/ha)
66.	Dry chillies	230	230	1(t/ha)
67.	Coriander	599	2396	04(t/ha)
68.	Fenugreek	149	447	03(t/ha)
69.	Other spice crops	133	798	06(t/ha)
	<b>Plantation crops</b>			
70.	Coconut	283	14.72 lakh nuts	0.05 lakh nuts
71.	Betelvine	31	620 lakh leaves	20 lakh leaves
72.	Oil palm	522	-	-
73.	Other garden / plantation crops	586	768	1.31
	<b>Flower crops</b>			
74.	Aster	06	03	0.5(t/ha)
75.	Crossandra	02	02	1(t/ha)
76.	Marigold	152	1520	10(t/ha)
77.	Jasmine	63	441	07(t/ha)
78.	Chrysanthemum	58	348	06(t/ha)
79.	Tuberose	47	150	03(t/ha)
80.	Marigold	61	610	10(t/ha)
81.	Tuberose	34	340	10(t/ha)
82.	Rose (Lakh flowers)	31	66	02(t/ha)
	<b>Medicinal and Aromatic plants</b>			
83.	Medicinal plants	57	171	03(t/ha)
84.	Lemon grass	24	168	07(t/ha)
85.	Other Aromatic plants	45	135	03(t/ha)

\* Source: Vijayapura district statistical information book (2016-17)

## 2.5. Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
April 2018	64.8	38.6	23.1	27
May 2018	65.8	39.2	23.4	31
June 2018	126.6	33.2	22.2	53
July 2018	23.4	30.2	21.7	63
August 2018	53.6	29.8	21.1	62
September 2018	91.9	32.2	20.3	49
October 2018	5.0	33.6	18.8	35
November 2018	32.8	31.9	16.6	41
December 2018	0.0	29.7	14.7	38
January 2019	0.0	30.5	12.1	27
February 2019	0.0	33.7	16.4	25
March 2019	0.0	37.6	19.8	20

\* Agromate advisory services Vijayapura

## 2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>	1203	1600 tons milk	4.340 lit/day /animal
<i>Indigenous</i>	278582	40,000 tons milk	1.515 lit/ day /animal
<b>Buffalo</b>	191438	59,000 tons milk	1.592 lit/ day /animal
<b>Sheep</b>			
<i>Crossbred</i>			
<i>Indigenous</i>	336015	75 tones meat	18kg mutton /animal
<b>Goats</b>	451980	80 tones meat	16 kg chevon /animal
<b>Pigs</b>			
<i>Crossbred</i>	32	NA	6 kg/ animal
<i>Indigenous</i>	27114	NA	6 kg/ animal
<b>Rabbits</b>	38	NA	
<b>Poultry</b>			
Hens	346372		
<i>Desi</i>	169200	157 lakh eggs	93 eggs/bird
<i>Improved</i>	36400	86 lakh eggs	238 eggs/bird
Ducks			
Turkey and others			

Category	Area	Production	Productivity
<b>Fish</b>			
<i>Marine</i>			
<i>Inland</i>			
Prawn			
Scampi			
Shrimp			

\* Please provide latest data from authorized sources. Please quote the source

## 2.7 District profile maintained in the KVK has been **Updated** for 2018-19: **Yes**

2.8 Details of Operational area / Villages

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
01	Vijayapura	Naghathan	Aheri, Jambagi Hittinahalli tanda	2016-17 2017-18 2018-19	Bajra	Moisture stress	Soil moisture conservation
					Sorghum	Moisture stress, low yielding varieties, Lack of knowledge on value addition	Soil moisture conservation and value addition
					Wheat	Low yielding varieties in Aestivum & Dicoccum wheat. Lodging, leaf blight, rust and weed infestation.	Varietal introduction
					Maize	Rootgrub, nutrition	Integrated Pest Management
					Chickpea	Scarcity & high labour , Wilt and pod borer.	Integrated Crop Management
					Onion	Low yielding varieties, thrips , Purple blotch, Bulb rot, Rootgrub weed infestation	Integrated Crop Management

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
					Pomegranate	Bacterial blight and wilt	Integrated Disease Management
					Lime	Wilt and craking	Integrated Disease Management
					Chilli	Low yielding varieties and disease	Integrated Crop Management
					Tomato	Low yielding varieties , sucking pest & Alternaria blight, Value addition	Integrated Crop Management
					Cattle	Anoestrus	Nutritional supplimentation
					Fruits & Vegetables	Nutritional deficiency	Nutritional supplimentation
<b>02</b>	<b>Basavan Bagewadi</b>	Bagewadi	Manguli Ukkali	2016-17 2017-18 2018-19	Pigeonpea	Low yielding varieties, Rootgrub wilt, dryrootrot SMD, pod borer, webber & Powdery mildew	Integrated Disease Management

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
					Marigold	Suitability of variety	Varietal introduction
					Sugarcane	Rootgrub Increasing cost of production, striga infestation	Integrated Pest Management.
		Kubakaddi	Kubakaddi, Kalagurki	2016-17 2017-18 2018-19	Banana	Poor Nutrition, Disease, Pest & Low Yield	Integrated Crop Management
					Pomegranate	Bacterial blight and wilt	Integrated Disease Management
					Tomato	Low yielding varieties , sucking pest & Alternaria blight, Value addition	Integrated Crop Management
					Onion	lack of high yielding varieties in onion	Integrated crop management in Onion
					Sheep & Goats	Poor nutrition and diseases in animals	Management of animals for higher productivity
					Fodder	Unaware of multicut fodder varieties	Nutritional management



Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
03	Muddebihal	Jattagi	Jattagi Karkur Hullur	2016-17 2017-18 2018-19	Millets (Foftail millet Little millet Finger millet)	Unaware of nutritional importance & unaware of income generation through processing and value addition	Value addition
					Pigeonpea	Low yielding varieties, Rootgrub wilt, dryrootrot SMD, pod borer, webber & Powdery mildew	Integrated Disease Management
					Lime	Gummosis and canker	Integrated Disease Management
					Wheat	Non availability of High yielding varieties, Rust	Integrated Crop Management
					Chickpea	Non availability High yielding varieties, Podborer, wilt	Integrated Crop Management
					Maize	Rootgrub management	Integrated Pest Management
					Onion	lack of high yielding varieties in onion	Integrated crop management in Onion

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
					Groundnut	Non availability of high yielding varieties in groundnut , thrips	Pest & Disease management in Groundnut
					Sheep & Goats	Poor nutrition pest and diseases in animals	Management of animals for higher productivity
					Fodder crops	Unaware of different multicut fodder varieties	Nutritional suppliment management

2.9 Priority thrust areas

<b>S. No</b>	<b>Thrust area</b>
1.	Moisture conservation
2.	Introduction of new varieties/hybrids and crops
3.	Nutrient Management
4.	Management of pest and diseases
5.	Production of quality produce
6.	Management of livestock
7.	Fodder and disease management in animals
8.	Creation of self-employment opportunities

**PART III - TECHNICAL ACHIEVEMENTS (2018-19)****3.A. Target and Achievements of mandatory activities**

OFT				FLD			
1				2			
OFTs (No.)		Farmers (No.)		FLDs (No.)		Farmers (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
09	09	43	43	21	21	160	160

Training				Extension Programmes			
3				4			
Courses (No.)		Participants (No.)		Programmes (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
79	84	2422	3145	1749	294	140260	39277

Seed Production (Q)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
103	27	8000	6200

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
35000 ltrs	16683	600	50

**3.B1. Abstract of interventions undertaken**

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
													No.	Kg
1.	Crop production	Chickpea	Lack of chickpea varieties for late sown conditions	Assessment of heat tolerant , high yielding variety JG-14 of Chickpea under irrigated condition	-	01				GM : 01 FV : 02	200 kg	-	3	3
2.	Varietal evaluation	Marigold	Suitability of variety	Varietal assessment in marigold	-	01				GM : 01 FV : 02		5000		
3.	Hybrid introduction	Chilli	Suitability of Hybrid	Assessment of Chilli Hybrids for Yield potential, Disease & Pest resistance.	-	01				GM : 01 FV : 02 FD : 01	300g			
4.	Integrated Disease management	Pigeopea	Dry root rot incidence	Assessment of Dry root rot tolerant Pigeopea varieties	-	01				GM : 01 FV : 01	75 kg		3	3 kg

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions												
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products			
												No.	Kg			
5.	Integrated Disease management	Sorghum	Charcoal rot and lodging	Assessment of Charcoal rot tolerant Sorghum varieties	-	01				GM : 01 FV : 01	25 kg				3	3 kg
6.	Farm mechanization	Pigeon pea.	Soil moisture stress	Assessment of <i>insitu moisture conservation</i> practices on growth and yield of Pigeon pea.	-	01				GM : 01 FV : 01	25 kg					
7.	Farm mechanization	Finger millet	Soil moisture stress	Assessment of <i>insitu moisture conservation</i> practices on growth and yield of Finger millet.	-	01				GM : 01 FV : 01	25 kg					
8.	Nutritional management	-	Non consumption vit c rich foods results in gum bleeding and recurrent	Supplementation of Vit C rich foods to combat Vit 'C' deficiencies among Children (New)	-	01				GM : 01 FV : 01						

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
											No.	Kg		
			infections											
9.	Feed and fodder	Fodder	Scarcity of green fodder and low milk yield	Assessment of high yielding multi-cut green fodder varieties.	-	01			GM : 01 FV : 01		3000			
10.	Cropping system	Intercropping system	Low yields due to single crop	-	Intercropping of Pigeon pea + greengram (1:2)	01			GM : 01 FV : 01 FD :-		5 kg + 5 kg		3	3
11.	Cropping system	Intercropping system	Low yields due to single crop	-	Intercropping of Pigeon pea with foxtail millet (1:2)	01			GM : 01 FV : 01 FD :-		5 kg + 5 kg		3	3
12.	Integrated Crop Management	Wheat	Low yielding varieties, weed infestation and rust	-	New variety UAS-415 (Resistant to rust & good quality chapati)	01			GM : 01 FV : 01 FD : 01	225 kg				
13.	Integrated Crop Management	Onion	Low Yield, Thrips, Blotch and Root grub.	-	Demonstration of onion variety Bhima super in Kharif (irrigated)	01			GM : 01 FV : 01 FD : 01	10 kg			3	3

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
												No.	Kg	
14.	Integrated Crop Management	Onion	Low yield, Thrips and blotch	-	Demonstration of Onion variety Bhima Shakti in Rabi/Summer	01			GM : 01 FV : 01 FD : 01	10 kg			3	3
15.	Integrated crop management	Tomato	Low yielding varieties , sucking pest & Alternaria blight	-	Demonstration of tomato Hybrid Arka Rakshak	01			GM : 01 FV : 01 FD : -	3 kg			3	3
16.	Integrated Crop Management	Banana	Poor Nutrition, Disease, Pest & Low Yield	-	Integrated Nutrient management in Banana	01			GM : 01 FV : 01 FD : 01			4 kg	3	3
17.	Integrated nutrient management	Grape	Poor nutrition, Pink berries & Low yield.	-	Integrated Nutrient management in Grape	01			GM : 01 FV : 01 FD : -			4 kg		25 kg
18.	Integrated pest management	Maize	Root grub	-	Root grub management in Maize Soil application of	01			GM : 01 FV : 01 FD : -			7 kg/acr	1	7 kg



S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
													No.	Kg
					<i>Metahhirizium</i> @ 7 kg per acre along with FYM or Vermicompost									
19.	Integrated Pest Management	Pomegranate	Bacterial blight, thrips and fruit sucking moth and nematode	-	Bacterial blight and nematode management in pomegranate	01			GM : 01 FV : 01 FD : 01 TRG : 02			8 kg / acr	2	5 kg
20.	Integrated Pest Management	Lime	Bacterial canker, gummosis and nematode		IPM in Lime (Sanitation , drenching with ridomil gold, spraying with <i>Pseudomonas fluorescense</i> , spraying of COC + antibiotics,.)	01			GM : 01 FV : 01 FD : 01 TRG : 01			8 kg / acr	2	5 kg
21.	Integrated Crop Management	Sugarcane	Root grub & striga		Integrated crop management in sugarcane	01			GM : 01 FV : 01 FD : -				1	10+ 7 kg
22.	Soil moisture	Bajra	Moisture stress		Wide row spacing in Bajra (120x15	01			GM : 01 FV : 01				1	1 kg

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
											No.	Kg		
	conservation				cm)				FD : -					
23.	Integrated Crop Management	Sunflower	Moisture stress, Powdery mildew and BHHC		Wide row spacing	01			GM : 01 FV : 01 FD : -	25 kg				
24.	Moisture conservation	Sorghum	Low yield and moisture stress at maturity stages		High yielding variety CSV-29R compartment bunding in <i>Kharif</i> followed by <i>rabi</i> Sorghum , seed treatment with Biofertilizers	01			GM : 01 FV : 01 FD : 01	25 kg				
25.	Feed and fodder	Fodder	Scarcity of green fodder  Low milk yield		Cultivation of H.napier , fodder sorghum (COFS-29)& Lucerne	01			GM : 01 FV : 04 FD : 01	-	1000			
26.	Livestock	Cattle & buffalo	Anoestrus or delayed heat due to nutritional		Supplementation of chelated mineral mixture along	01			GM : 01 FV : 01 FD : -	-				

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
											No.	Kg		
			deficiency		with deworming and multivitamin injection									
27.	Livestock	Sheep and Goat	Occurrence of disease due to low level of immunity some times leading to death		Supplementation of immunoboosters along with deworming	01			GM : 01 FV : 03 FD : -					
28.	Small scale income generation activity	Fish	Lack of knowledge about fish culture in farm ponds		Composite fishculture in farm ponds	01			GM : 01 FV : 03 FD : -		-	-	40 0	
29.	Processing and Value addition	Sorghum	Unaware of new variety for hurda preparation and income generation through value addition.		Demonstration of sorghum variety Phule Madhur for hurda preparation	01			GM : 01 FV : 03 FD : 01	10 kg				

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions											
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products		
											No.	Kg			
30.	Nutritional security	Nutritional garden	Malnutrition, lack of awareness about nutritious food, non-utilization of resources- Water, Space & organic waste		Demonstration of nutri-farms for year round nutrition security among farm families	01				GM : 02 FV : 05 FD : 01	-	900	-		

✓ GM-Group meeting, FV-Field visit, FD- Field day, TRG-Training

**3.B2. Details of technology used during reporting period**

S.No	Title of Technology	Source of technology	Crop/enterprise	No.of programmes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
1.	Assessment of heat tolerant , high yielding variety JG-14 of Chickpea under irrigated condition	UAS Dharwad	Chickpea	05	-	01	GM : 01 FV : 02 FD : 01
2.	Varietal assessment in marigold	IIHR Bengaluru	Marigold	03	-	01	GM : 01 FV : 03
3.	Assessment of Chilli Hybrids for Yield potential, Disease & Pest resistance.	IIHR Bengaluru	Chilli	05	-	01	GM : 01 FV : 03 FD : 01
4.	Assessment of Dry root rot tolerant Pigeopea varieties	UAS Raichur	Pigeopea	05	-	01	GM : 01 FV : 02
5.	Assessment of Charcoal rot tolerant Sorghum varieties	UAS Dharwad	Sorghum	05	-	01	GM : 01 FV : 02
6.	Assessment of <i>insitu moisture conservation</i> practices on growth and yield of Pigeon pea.	TNAU, Coimbatore	Pigeon pea.	05	-	01	GM : 01 FV : 03
7.	Assessment of <i>insitu moisture conservation</i> practices on growth and yield of Finger millet.	TNAU, Coimbatore	Finger millet	05	-	01	GM : 01 FV : 02

S.No	Title of Technology	Source of technology	Crop/enterprise	No.of programmes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
8.	Supplementation of Vit C rich foods to combat Vit 'C' deficiencies among Children (New)	MIN Hyderabad	-	05	-	01	GM : 01 FV : 05
9.	Assessment of high yielding multi-cut green fodder varieties.	UAS Dharwad	Fodder	05		01	GM : 01 FV : 03
10.	Intercropping of Pigeon pea + greengram (1:2)	Feeler trial of KVK Vijayapura & DLA RARS	Intercropping system		05	01	GM : 01 FV : 02
11.	Intercropping of Pigeon pea with foxtail millet (1:2)	UAS, Dharwad	Intercropping system		10	01	GM : 01 FV : 02
12.	New variety MACS 6222 (Resistant to rust & good quality chapati)	UAS, Dharwad	Wheat		10	01	GM : 01 FV : 02 FD : 01
13.	Demonstration of onion variety Bhima super in Kharif (irrigated)	Directorate of Onion and Garlic Research , Rajgurunagar.	Onion		05	01	GM : 01 FV : 02 FD : -
14.	Demonstration of Onion variety Bhima Shakti in Rabi/Summer	Directorate of Onion and Garlic Research , Rajgurunagar.	Onion		05	01	GM : 01 FV : 02 FD : 01
15.	Demonstration of tomato Hybrid Arka Rakshak	UAS, Dharwad	Tomato		05	01	GM : 01 FV : 02 FD : 01

S.No	Title of Technology	Source of technology	Crop/enterprise	No.of programmes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
16.	Integrated Nutrient management in Banana	IIHR, Bengaluru	Banana		05	01	GM : 01 FV : 02 FD : 01
17.	Integrated Nutrient management in Grape	IIHR, Bengaluru	Grape		05	01	GM : 01 FV : 02 FD : 01
18.	Root grub management in Maize Soil application of <i>Metahirizium</i> @ 7 kg per acre along with FYM or Vermicompost	UAS, Dharwad	Maize		05	01	GM : 01 FV : 02 FD : 01
19.	Bacterial blight and nematode management in pomegranate	UAS, Dharwad	Pomegranate		10	01	GM : 01 FV : 02 FD : 01
20.	IPM in Lime (Sanitation , drenching with ridomil gold, spraying with <i>Pseudomonas floroscence</i> , spraying of COC + antibiotics,.)	UAS, Dharwad	Lime		05	01	GM : 01 FV : 03 FD : 01
21.	Integrated crop management in sugarcane (Soil application of <i>Metahhirizium</i> @ 7 kg acre along with FYM or Vermicompost.)	UAS, Dharwad	Sugarcane		10	02	GM : 01 FV : 04 FD : 01

S.No	Title of Technology	Source of technology	Crop/enterprise	No.of programmes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
22.	Wide row spacing in Bajra (120x15 cm)	AICRP on Pearl millet , UAS, Dharwad	Bajra		05	01	GM : 01 FV : 02 FD : 01
23.	Wide row spacing (120x15cm) & ICM in Sunflower- DSFH-3 early hybrid, Hexaconazole for powdery mildew management and Spinosad for BHHC Management , foliar spray of Boron @ 1g/lt	UAS, Dharwad	Sunflower		10	01	GM : 01 FV : 03 FD : 01
24.	High yielding variety CSV-29R compartment bunding in <i>Kharif</i> followed by <i>rabi</i> Sorghum , seed treatment with Biofertilizers	UAS, Dharwad	Sorghum		15	01	GM : 01 FV : 02 FD : 01
25.	Cultivation of H.napier , fodder sorghum (COFS-29)& Lucerne	UAS, Dharwad	Fodder		05	01	GM : 01 FV : 04 FD : 01
26.	Supplementation of chelated mineral mixture along with deworming and multivitamin injection	KVAFSU, Bidar	Cattle & buffalo		05	01	GM : 01 FV : 03 FD : 01
27.	Supplementation of immunoboosters along with deworming	KVAFSU, Bidar	Sheep and Goat		10	01	GM : 01 FV : 03 FD : 01



S.No	Title of Technology	Source of technology	Crop/enterprise	No. of programmes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
28.	Composite fishculture in farm ponds	KVAFSU, Bidar	Fish		10	01	GM : 01 FV : 04 FD : 01
29.	Demonstration of sorghum variety Phule Madhur for hurda preparation	UAS, Dharwad	Sorghum		10	01	GM : 01 FV : 03 FD : 01
30.	Demonstration of nutri-farms for year round nutrition security among farm families	UAS, Dharwad	Nutritional garden		10	01	GM : 02 FV : 05 FD : 01

3.B2 contd..

No. of farmers covered															
OFT				FLD				Training				Others (Specify)			
General		SC/ST		General		SC/ST		General		SC/ST		General		SC/ST	
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
03	0	02	0	-	-	-	-	8	2	8	2	8	2	4	1
02	0	01	0	-	-	-	-	8	2	3	2	8	2	4	1
03	0	02	0	-	-	-	-	10	2	4	2	8	3	4	3
02	0	03	0	-	-	-	-	8	2	6	4	12	1	2	0
03	0	02	0	-	-	-	-	10	0	5	0	8	2	4	1
03	0	02	0	-	-	-	-	10	2	4	2	8	3	4	3
03	0	02	0	-	-	-	-	8	2	8	2	8	2	4	1
0	0	02	03	-	-	-	-	10	0	5	0	8	2	4	1
04	0	0	01	-	-	-	-	10	2	4	2	8	3	4	3
-	-	-	-	03	00	02	0	12	2	4	2	10	2	3	0

-	-	-	-	06	01	03	0	12	2	6	0	10	2	3	0
-	-	-	-	07	01	02	0	10	2	6	2	15	5	8	2
-	-	-	-	03	00	02	0	15	0	5	0	15	5	5	0
-	-	-	-	03	00	02	0	15	0	5	0	15	2	3	0
-	-	-	-	02	00	03	0	10	02	08	00	12	0	08	0
-	-	-	-	03	00	02	0	08	02	03	02	10	02	03	0
-	-	-	-	02	00	03	0	10	02	03	02	20	05	10	0
-	-	-	-	03	00	02	0	08	02	03	02	15	05	05	0
-	-	-	-	06	02	04	0	15	05	05	00	15	05	08	02
-	-	-	-	03	00	02	00	10	00	05	00	08	02	05	00
-	-	-	-	06	02	04	00	15	05	08	02	20	05	08	02
-	-	-	-	03	00	02	00	10	00	05	00	08	02	03	02
-	-	-	-	08	00	02	00	15	05	05	00	15	05	8	02
-	-	-	-	10	00	05	00	12	05	06	02	14	02	04	02
-	-	-	-	03	00	02	00	10	00	03	02	10	02	08	00
-	-	-	-	03	00	02	00	10	00	05	00	12	02	04	02
-	-	-	-	05	00	04	01	10	02	08	00	10	00	05	00
-	-	-	-	06	01	02	01	15	00	10	00	08	01	06	00
-	-	-	-	09	01	00	00	15	00	05	00	08	02	05	00
-	-	-	-	00	01	09	00	10	00	05	00	10	02	08	00

## PART IV - On Farm Trial (2018-19)

### 4.A1. Abstract on the number of technologies assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flowers	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation					01		01			02
Integrated Pest Management	01		01							03
Integrated Crop Management			01							01
Integrated Disease Management	01		01							02
Farm Machineries	01		01							02
Value addition					01					
<b>Total</b>	<b>3</b>		<b>4</b>		<b>2</b>		<b>1</b>			<b>9</b>

### 4.A2. Abstract on the number of technologies refined in respect of crops : Nil

### 4.A3. Abstract on the number of technologies assessed in respect of livestock enterprises

Thematic areas	Cattle	Poultry	Piggery	Rabbit	Fisheries	TOTAL
Feed and Fodder	01					01
<b>TOTAL</b>	<b>01</b>					<b>01</b>

### 4.A4. Abstract on the number of technologies refined in respect of livestock enterprises : Nil

## 4.B. Achievements on technologies Assessed and Refined

#### 4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trial covering all the Technological Options)
Varietal Evaluation	Chickpea	Assessment of heat tolerant , high yielding variety JG-14 of Chickpea under irrigated condition	05	05	0.6
	Marigold	Varietal assessment in marigold	03	03	0.6
	Chilli	Assessment of Chilli Hybrids for Yield potential, Disease & Pest resistance	05	05	0.6
Integrated Disease Management	Pigeo pea	Assessment of Dry root rot tolerant Pigeo pea varieties	05	05	0.6
	Sorghum	Assessment of Charcoal rot tolerant Sorghum varieties	05	05	0.6
Farm Machineries	Pigeon pea	Assessment of <i>insitu moisture conservation</i> practices on growth and yield of Pigeon pea	05	05	0.6
	Finger millet	Assessment of <i>insitu moisture conservation</i> practices on growth and yield of Finger millet	05	05	0.6
<b>Total</b>			<b>33</b>	<b>33</b>	

#### 4.B.2. Technologies Refined under various Crops : Nil

#### 4.B.3. Technologies assessed under Livestock and other enterprises

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds				
Nutrition management	Human nutrition	Supplementation of Vit C rich foods to combat Vit 'C' deficiencies among Children (New)	10	10
Feed and fodder	Cattle	Assessment of hybrid napier Co-5	05	05
<b>Total</b>			<b>05</b>	<b>05</b>

#### 4.B.4. Technologies Refined under Livestock and other enterprises : Nil

#### 4.C1. Results of Technologies Assessed

##### 1.Results of On Farm Trial : Sorghum

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Net Return Rs. /unit	BC Ratio	Remarks if any
1	2	3	4	5	6	7	8	9	10	11	12	13
Sorghum	Rain fed	Charcoal Rot incidence	Assessment of Charcoal rot tolerant Sorghum varieties	05	<b>T.O.1</b> M 35-1 (Farmers practice)	UASD	9.18	q/ha	24.8	13148	2.23	Bold seeded but highly lodging
					<b>T.O.2</b> CSV 29R	UASD	11.28	q/ha	8.4	18608	2.73	Non lodging late
					<b>T.O.3:</b> GS 23	UASR	10.0	q/ha	11.2	15280	2.43	Non lodging med ht
					<b>T.O.3:</b> Phule suchitra	MPKV Rahuri	8.74	q/ha	17.2	12004	2.12	Late variety

#### 4. C2. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

- Title of Technology Assessed : Assessment of sorghum varieties for char coal rot tolerance
- Performance of the Technology on specific indicators : GS 23 is late by 10 days to M35-1
- Specific Feedback from farmers : GS 23 and CSV 29R are both high yielding and non lodging
- Specific Feedback from Extension personnel and other stakeholders : CSV 29R is bold seeded and on with fodder quality of M35-1
- Feedback to Research System based on results and feedback received: Farmers need a variety of bold seeded, Early Maturing (120 days), non lodging and good fodder quality.

**2.Results of On Farm Trial : Pigeon pea**

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Net Return Rs. /unit	BC Ratio	Remarks if any
1	2	3	4	5	6	7	8	9	10	11	12	13
Pigeon pea	Rain fed	Dry root rot incidence	Assessment of dryroot rot tolerant pigeonpea varieties	05	<b>TO1:</b> TS-3R	UASR	7.58	q/ha	16.10	46238	2.59	Breakdown of wilt tolerance
					<b>TO2:</b> GRG-152	UASR	8.42	q/ha	11.10	51362	2.85	Tolerant to dry root rot
					<b>TO3:</b> GRG-811	UASR	9.12	q/ha	6.50	55632	3.22	Late maturing
					<b>TO4:</b> PRG-176	PJTSAU, Telangana	6.48	q/ha	26.12	18980	1.95	

**4. C2. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)**

- Title of Technology Assessed : Assessment of dry root rot tolerant pigeon pea varieties
- Performance of the Technology on specific indicators : Variety GRG-152 is early and tolerant to dry rootrot
- Specific Feedback from farmers : Variety GRG 152 is early high yielding and tolerant to dry rootrot
- Specific Feedback from Extension personnel and other stakeholders : GRG 811 is high yielding and resistant to SMD and Wilt but needs protective irrigation
- Feedback to Research System based on results and feedback received: Farmers need early maturing wilt tolerant variety so that they can go for 2<sup>nd</sup> crop after harvesting pigeonpea

#### 4. C1. Results of Technologies Assessed

##### 3. Results of On Farm Trial : Chilli

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Net Return Rs. /unit	BC Ratio	Remarks if any
1	2	3	4	5	6	7	8	9	10	11	12	13
Chilli	Irrigated	Suitability of variety	Assessment of Chilli hybrids for yield potential and disease resistance	03	TO1: Local Var.Sitara	Farmer Practice	242	q/ha	16	52000	1.27	-
					TO2: Arka Meghana	IIHR Bangalore	260	q/ha	8	80000	1.44	High pungence
					TO 3:Arka kyathi	IIHR Bangalore	277	q/ha	7	69,300	1.39	Variety is high yielding but less market preference due to black colour

#### 4. C2. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

- Title of Technology Assessed : Assessment of Chilli hybrids for yield potential and disease resistance
- Performance of the Technology on specific indicators : Arka Kyathi is high yielding but less preferred in market because of black tip
- Specific Feedback from farmers : Arka Meghana is high yielding has good market value and high pungency .
- Specific Feedback from Extension personnel and other stakeholders : Arka Meghana & Arka Kyathi seeds to be made available
- Feedback to Research System based on results and feedback received : farmers need variety tolerant to murda complex

#### 4. C1. Results of Technologies Assessed

##### 4. Results of On Farm Trial : Marigold

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Net Return Rs. /unit	BC Ratio	Remarks if any
1	2	3	4	5	6	7	8	9	10	11	12	13
Marigold	Irrigated	Suitability of variety	Varietal Assessment in Marigold	03	TO1: Local Var.	Farmer Practice	146.20	q/ha	4.8	133600	11.6	
					TO2: Arka Bangara-2	IIHR Bangalore	221.80	q/ha	7.2	209200	17.6	Nine days early and good keeping quality
					TO 3: Arka Bangara-1	IIHR Bangalore	223.60	q/ha	7.7	211000	17.75	

#### 4. C2. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed : Varietal Assessment in Marigold
2. Performance of the Technology on specific indicators : Arka Bangara & arka Bangara-2 are high yielding hybrids with good shelf life
3. Specific Feedback from farmers : Arka Bangara & Arka Bangara-2 are high yielding hybrids with good demand in the market
4. Specific Feedback from Extension personnel and other stakeholders : Arka Bangara & Arka Bangara-2 hybrids needs to be assessed in various seasons for its growth and yield parameters
5. Feedback to Research System based on results and feedback received: Needs variety with good shelf life



### 5. Results of On Farm Trial : Chickpea

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Net Return Rs. /unit	BC Ratio	Remarks if any
1	2	3	4	5	6	7	8	9	10	11	12	13
Chickpea	Irrigated	Lack of chickpea varieties for late sown conditions	Assessment of heat tolerant , high yielding variety JG-14 of Chickpea under irrigated condition	05	TO1 : JG-14	UAS, Dharwad	12.2	q/ha	Plant ht(cm)-44 No.of pods per plant-140 Days to flowering-38	36200	3.87	
					TO2: JG-11	UAS, Dharwad	10.80	q/ha	Plant ht(cm)-38 No.of pods per plant-124 Days to flowering-42	29400	3.33	Toleranta to high temperature and googd variety to sown offer redgram and late sown situation
					<b>TO3:</b>							

### 4. C2. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

- Title of Technology Assessed : Assessment of heat tolerant , high yielding variety JG-14 of Chickpea under irrigated condition
- Performance of the Technology on specific indicators : JG-14 is heat tolerant suitable for late rabi situation well suited in irrigated condition after redgram (double cropping)
- Specific Feedback from farmers : Variety is hugh yielding compared to JG-11 under late rabi situation
- Specific Feedback from Extension personnel and other stakeholders : Seeds are fetch low price
- Feedback to Research System based on results and feedback received:

### 6. Results of On Farm Trial : Pigeon pea

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Net Return Rs. /unit	BC Ratio	Remarks if any
1	2	3	4	5	6	7	8	9	10	11	12	13
Pigeonpea	Rainfed	Soil moisture stress	Assessment of <i>insitu</i> <i>moisture</i> <i>conservation</i> practices on growth and yield of Pigeon pea	05	TO1 : Ridge and furrow (0- 2% slope )	UAS, Dharwad	8.56	q/ha	7.4	28296	2.18	
					TO2: Broad bed furrow (0- 2% slope )	TNAU, Coimbatore	10.67	q/ha	3.6	40979	2.70	Broad bed furrow is the best soil moisture conservation technology as compared with other technologies
					TO3: Tide ridging (0- 2% slope)	TNAU, Coimbatore	9.56	q/ha	5.6	32396	2.25	

#### 4. C2. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

- Title of Technology Assessed : Assessment of *insitu moisture conservation* practices on growth and yield of Pigeon pea
- Performance of the Technology on specific indicators : Broad bed furrow is the best soil moisture conservation technology as compared with other technologies
- Specific Feedback from farmers : Broad bed furrow is the best soil moisture conservation technology
- Specific Feedback from Extension personnel and other stakeholders : Broad bed furrow increases the yield by 15-20 % as compared to other technologies
- Feedback to Research System based on results and feedback received: -

### 7. Results of On Farm Trial : Finger millet

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Net Return Rs. /unit	BC Ratio	Remarks if any
1	2	3	4	5	6	7	8	9	10	11	12	13
Chickpea	Rainfed	Soil moisture stress	Assessment of <i>insitu moisture conservation</i> practices on growth and yield of Finger millet	05	TO1 : Ridge and furrow (0- 2% slope )	UAS, Dharwad		q/ha	-	-	-	<b>Vitiated</b>
					TO2: Broad bed furrow (0- 2% slope )	TNAU, Coimbatore		q/ha	-	-	-	-
					TO3: Tide ridging (0- 2% slope)	TNAU, Coimbatore		q/ha	-	-	-	-

#### 4. C2. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

- Title of Technology Assessed : Assessment of *insitu moisture conservation* practices on growth and yield of Finger millet
- Performance of the Technology on specific indicators :
- Specific Feedback from farmers :
- Specific Feedback from Extension personnel and other stakeholders :
- Feedback to Research System based on results and feedback received:

**8. Results of On Farm Trial : Fodder crop**

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield( Milk yield )	Net Return Rs. /unit	BC Ratio	Remarks if any
1	2	3	4	5	6	7	8	9	10	11	12	13
Feed and fodder	Irrigated	Scarcity of green fodder	Assessment of hybrid napier Co-5	05	T.O.1 NB21	Farmers practice	36.60	(t/ha)	405/ animal/90 days	10800	1.43	
					T.O.2 DHN-6	KVAFSU, Bidar	83.00	(t/ha)	585/animal/90 days	52000	2.3	
					T.O.3 Hybrid napier Co-5	TNAU	94.00	(t/ha)	630/animal/90 days	61600	2.54	

**4. C2. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)**

1. Title of Technology Assessed : Assessment of hybrid napier Co-5
2. Performance of the Technology on specific indicators : there was 13% increase in the yield
3. Specific Feedback from farmers : there were less spines on the leaves of Co-5 compared to T1 and T2
4. Specific Feedback from Extension personnel and other stakeholders :
5. Feedback to Research System based on results and feedback received:

### 9. Results of On Farm Trial : Vitamin C

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Net Return Rs. /unit	BC Ratio	Remarks if any
1	2	3	4	5	6	7	8	9	10	11	12	13
Home science	Irrigated	Non consumption vit c rich foods results in gum bleeding and recurrent infections	Supplementation of Vit C rich foods to combat Vit 'C' deficiencies among Children (New)	05	T.O.1 Farmers Practice	-	-	-	2.9	-	-	-
					T.O.2 Amla supplementation @ 20g /day/head	NIN Hyderabad			6.2			113% - Percentage of awareness created regarding consumption of Vit C rich foods
					T.O.3 Guava supplementation @ 50g /day/head	NIN Hyderabad			6.2			
					TO.4: Lime juice supplementation	NIN Hyderabad			6.2			

#### 4. C2. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

- Title of Technology Assessed : Supplementation of Vit C rich foods to combat Vit 'C' deficiencies among Children
- Performance of the Technology on specific indicators : Percentage of awareness created regarding consumption of Vit C rich foods
- Specific Feedback from farmers : Women expressed that now they have realized the importance of Vit C rich foods in daily diet
- Specific Feedback from Extension personnel and other stakeholders :-
- Feedback to Research System based on results and feedback received: -

**4.D1. Results of Technologies Refined : Nil**

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Refined	Source of technology	Yield	Unit of yield	Observations other than yield	Net Return Rs. / unit	BC Ratio	Remarks if any
1	2	3	4	5	6	7	8	9	10	11	12	13
					T.O.1 (Farmers practice)							
					T.O.2							
					T.O.3							

**4.D.2. Details of Technologies refined:**

1. Title of Technology Refined
2. Performance of the Technology on specific indicators
3. Specific Feedback from farmers
4. Specific Feedback from Extension personnel and other stakeholders
5. Feedback to Research System based on results/feedback received

**PART V - FRONTLINE DEMONSTRATIONS (2018-19)****5.A. Summary of FLDs implemented**

Sl. No.	Category	Farming Situation	Season	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/Marginal	Others
1	<b>Oilseeds</b>	Rainfed	Rabi	Sunflower	-	RSFH 17-17	Integrated Crop Management	Wider row spacing in Sunflower	10	10	10	15	15	10
		Rainfed	Rabi	Linseed	NL-115	-	Integrated Crop Management	Popularization of Linseed variety –NL-115	10	10	10	15	15	10
		Irrigated	Summer	Groundnut	G-2-52	-	Integrated Crop Management	ICM in groundnut	60	60	45	90	55	80
		Irrigated	Kharif	Sunflower	-	RSFH 17-17	Integrated Crop Management	Wide row spacing in Sunflower (120x15cm)	04	04	04	06	04	06
2	<b>Pulses</b>	Rainfed	Kharif	Redgram	TS-3R	-	Integrated Crop Management	Integrated Crop Management in Redgram with variety TS-3R	30	30	23	52	23	52
		Rainfed	Rabi	Bengalgram	BGD 103	-	Integrated Crop Management	Integrated Crop Management in Bengal gram with var BGD 103	30	30	25	50	25	50
		Rainfed	Kharif	Greengram + Pigeonpea	DGGV2, TS-3R	-	Cropping system	Demonstration of Pigeonpea + Greengram(1:2) intercropping system	02	02	02	03	02	03

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/Marginal	Others
		Rainfed	Kharif	Foxtail millet + Pigeonpea	DHFT 109-3 , TS-3R	-	Cropping system	Demonstration of Pigeon pea + Foxtail millet(1:2) intercropping system	04	04	04	06	04	06
3	<b>Cereals</b>													
		Rainfed	Rabi	Wheat	UAS 415	-	Integrated Crop Management	New variety UAS-415 (Resistant to rust & good quality chapati)	04	04	04	06	04	06
		Rainfed	Rabi	Maize		-	Integrated pest management	Root grub management in Maize	02	02	02	03	02	03
		Irrigated	Kharif	Bajra	-	Pioneer 86M52/ DPMH-4.	Soil moisture conservation	Wide row spacing in Bajra (120x15 cm)	02	02	02	03	02	03
		Irrigated	Kharif	Sorghum	CSV-29R	-	Moisture conservation	High yielding variety CSV-29R compartment bunding in <i>Kharif</i> followed by <i>rabi</i> Sorghum , seed treatment with Biofertilizers	06	06	06	09	06	09



Sl. No.	Category	Farming Situation	Season	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/Marginal	Others
4	<b>Millets</b>													
5	<b>Vegetables</b>	Irrigated	Rabi	Onion	Bhima super	-	Integrated Crop Management	Demonstration of onion variety Bhima super in Kharif (irrigated)	02	02	02	03	02	03
		Irrigated	Rabi	Onion	Bhima shakti	-	Integrated Crop Management	Demonstration of Onion variety Bhima Shakti in Rabi/Summer	02	02	02	03	02	03
		Rainfed	Rabi	Tomato	Arka rakshak	-	Integrated crop management	Demonstration of tomato Hybrid Arka Rakshak	02	02	02	03	02	03
		Irrigated	Kharif	Nutri farms	-	-	Nutritional security	Demonstration of nutri-farms for year round nutrition security among farm families	04	04	09	01	06	04
6	<b>Flowers</b>													
7	<b>Ornamental</b>													
8	<b>Fruit</b>	Rainfed	Rabi	Banana	-	Grand naine	Integrated Crop Management	Integrated Nutrient management in Banana	02	02	02	03	02	03
		Rainfed	Rabi	Grape	Thomson seedless	-	Integrated nutrient management	Integrated Nutrient management in Grape	02	02	02	03	02	03

Sl. No.	Category	Farming Situation	Season	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/Marginal	Others
		Irrigated	Rabi	Pomegranate	Kesar	-	Integrated Pest Management	Bacterial blight and nematode management in pomegranate	04	04	04	06	04	06
		Irrigated	Rabi	Lime	Kagzi	-	Integrated Pest Management	IPM in Lime	02	02	02	03	02	03
9	<b>Spices and condiments</b>													
10	<b>Commercial</b>	Irrigated	Rabi	Sugarcane	Co-86032	-	Integrated Crop Management	Integrated crop management in sugarcane	04	04	04	06	04	06
11	<b>Medicinal and aromatic</b>													
12	<b>Fodder</b>	Rainfed	<i>Khariff</i>	Hybrid napier Co-5, hedge lucerne and CoFs-29			Feed and fodder	Fodder cafeteria	0.2 ha	0.2 ha	2	3	5	-
13	<b>Plantation</b>													
14	<b>Fibre</b>													
15	<b>Dairy</b>	-	-	-	-	-	Small scale income generation enterprise	Supplimentation of mineral mixture along with deworming and multivitamine injection	-	-	2	3	5	-

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/Marginal	Others
16	Poultry													
17	Rabbitry													
18	Piggery													
19	Sheep and goat	-	-	-	-	-	Small scale income generation entreprize	Supplimentation of immune boosters along with deworming	-	-	5	5	6	4
20	Duckery													
21	Common carps	-	-	-	-	-	Small scale income generation entreprize	Composite fish culture in farm ponds	-	-	3	7	3	7
22	Mussels													
23	Ornamental fishes													
24	Oyster mushroom													
25	Button mushroom													
26	Vermicompost													
27	Sericulture													
28	Apiculture													
29	Implements													
30	Others (specify)													

## 5.A. 1. Soil fertility status of FLDs plots, if analysed

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
1	Oilseeds	Rainfed	Late Kharif 2018-19	Sunflower	-	RSFH1887	Soil moisture conservation	Wide row spacing	Late Kharif 2018-19	319	36	358	Chick pea
		Rainfed	Late Kharif 2018-19	Sunflower	-	RSFH1887	Soil moisture conservation	Wide row spacing	Late Kharif 2018-19	275	30	287	Chickpea
		Rainfed	Late Kharif 2018-19	Sunflower	-	RSFH1887	Soil moisture conservation	Wide row spacing	Late Kharif 2018-19	283	28	295	Chickpea
		Rainfed	Late Kharif 2018-19	Sunflower	-	RSFH1887	Soil moisture conservation	Wide row spacing	Late Kharif 2018-19	301	37	308	Chickpea
		Rainfed	Late Kharif 2018-19	Sunflower	-	RSFH1887	Soil moisture conservation	Wide row spacing	Late Kharif 2018-19	317	31	328	Chickpea
		Rainfed	Late Kharif 2018-19	Sunflower	-	RSFH1887	Soil moisture conservation	Wide row spacing	Late Kharif 2018-19	318	29	343	Chickpea
		Rainfed	Late Kharif 2018-19	Sunflower	-	RSFH1887	Soil moisture conservation	Wide row spacing	Late Kharif 2018-19	308	27	319	Chickpea
		Rainfed	Late Kharif 2018-19	Sunflower	-	RSFH1887	Soil moisture conservation	Wide row spacing	Late Kharif 2018-19	287	28	293	Chickpea

Sl. No	Category	Farming Situation	Season and Year	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
		Rainfed	Late Kharif 2018-19	Sunflower	-	RSFH1887	Soil moisture conservation	Wide row spacing	Late Kharif 2018-19	279	29	300	Chickpea
		Rainfed	Late Kharif 2018-19	Sunflower	-	RSFH1887	Soil moisture conservation	Wide row spacing	Late Kharif 2018-19	147	20	417	Chickpea
2	Pulses	Rainfed	Kharif 2018-19	Pigeonpea	TS3R	-	In situ moisture conservation	Soil moisture measurement	Kharif 2018-19	298	29	304	sunflower
		Rainfed	Kharif 2018-19	Pigeonpea	TS3R	-	In situ moisture conservation	Soil moisture measurement	Kharif 2018-19	287	28	297	sunflower
		Rainfed	Kharif 2018-19	Pigeonpea	TS3R	-	In situ moisture conservation	Soil moisture measurement	Kharif 2018-19	312	31	312	sunflower
		Rainfed	Kharif 2018-19	Pigeonpea	TS3R	-	In situ moisture conservation	Soil moisture measurement	Kharif 2018-19	324	35	346	sunflower
		Rainfed	Kharif 2018-19	Pigeonpea	TS3R	-	In situ moisture conservation	Soil moisture measurement	Kharif 2018-19	312	34	329	sunflower
3	Cereals	Rainfed	Rabi 2018-19	Sorghum	Phule Madhur	-	Processing and value addition	Demonstration of sorghum variety Phule Madhur for hurda preparation	Rabi 2018-19	321	37	342	Local
		Rainfed	Rabi 2018-19	Sorghum	Phule Madhur	-	Processing and value	Demonstration of sorghum variety Phule Madhur for	Rabi 2018-19	306	32	331	Local

Sl. No	Category	Farming Situation	Season and Year	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
							addition	hurda preparation					
		Rainfed	Rabi 2018-19	Sorghum	Phule Madhur	-	Processing and valve addition	Demonstration of sorghum variety Phule Madhur for hurda preparation	Rabi 2018-19	315	35	321	Local
		Rainfed	Rabi 2018-19	Sorghum	Phule Madhur	-	Processing and valve addition	Demonstration of sorghum variety Phule Madhur for hurda preparation	Rabi 2018-19	287	29	301	Local
		Rainfed	Rabi 2018-19	Sorghum	Phule Madhur	-	Processing and valve addition	Demonstration of sorghum variety Phule Madhur for hurda preparation	Rabi 2018-19	312	30	316	Local
		Rainfed	Rabi 2018-19	Sorghum	Phule Madhur	-	Processing and valve addition	Demonstration of sorghum variety Phule Madhur for hurda preparation	Rabi 2018-19	304	30	319	Local
		Rainfed	Rabi 2018-19	Sorghum	Phule Madhur	-	Processing and valve addition	Demonstration of sorghum variety Phule Madhur for hurda preparation	Rabi 2018-19	298	31	347	Local
		Rainfed	Rabi 2018-19	Sorghum	Phule Madhur	-	Processing and valve addition	Demonstration of sorghum variety Phule Madhur for hurda preparation	Rabi 2018-19	305	31	314	Local
		Rainfed	Rabi 2018-19	Sorghum	Phule Madhur	-	Processing and valve addition	Demonstration of sorghum variety Phule Madhur for hurda preparation	Rabi 2018-19	345	37	351	Local
		Rainfed	Rabi 2018-19	Sorghum	Phule Madhur	-	Processing and valve addition	Demonstration of sorghum variety Phule Madhur for hurda preparation	Rabi 2018-19	109	21	413	Local
	Millets												

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
3	Vegetables	Irrigated	Kharif 18-19	Onion	Bhima super	-	ICM	ICM with improved variety Bhima super	Kharif 2018-19	326	33	357	Chick pea
		Irrigated	Kharif 18-19	Onion	Bhima super	-	ICM	ICM with improved variety Bhima super	Kharif 2018-19	278	28	291	Chickpea
		Irrigated	Kharif 18-19	Onion	Bhima super	-	ICM	ICM with improved variety Bhima super	Kharif 2018-19	302	34	321	Chickpea
		Irrigated	Kharif 18-19	Onion	Bhima super	-	ICM	ICM with improved variety Bhima super	Kharif 2018-19	312	39	333	Chickpea
		Irrigated	Kharif 18-19	Onion	Bhima super	-	ICM	ICM with improved variety Bhima super	Kharif 2018-19	302	31	304	Chickpea
4	Fruit	Irrigated	Rabi 2018-19	Pomegranate	Kesar	-	IDM	IDM package in pomegranate for BLB management	Rabi 2018-19	289	30	312	Pomegranate
		Irrigated	Rabi 2018-19	Pomegranate	Kesar	-	IDM	IDM package in pomegranate for BLB management	Rabi 2018-19	291	31	304	Pomegranate
		Irrigated	Rabi 2018-19	Pomegranate	Kesar	-	IDM	IDM package in pomegranate for BLB management	Rabi 2018-19	279	29	287	Pomegranate
		Irrigated	Rabi 2018-19	Pomegranate	Kesar	-	IDM	IDM package in pomegranate for BLB management	Rabi 2018-19	257	26	279	Pomegranate
		Irrigated	Rabi 2018-19	Pomegranate	Kesar	-	IDM	IDM package in pomegranate for BLB management	Rabi 2018-19	303	36	327	Pomegranate
		Irrigated	Rabi 2018-19	Pomegranate	Kesar	-	IDM	IDM package in pomegranate for BLB management	Rabi 2018-19	309	34	331	Pomegranate
		Irrigated	Rabi 2018-19	Pomegranate	Kesar	-	IDM	IDM package in pomegranate for BLB management	Rabi 2018-19	326	33	325	Pomegranate
		Irrigated	Rabi 2018-19	Pomegranate	Kesar	-	IDM	IDM package in pomegranate for BLB management	Rabi 2018-19	277	26	289	Pomegranate
		Irrigated	Rabi 2018-19	Pomegranate	Kesar	-	IDM	IDM package in pomegranate for BLB management	Rabi 2018-19	277	26	289	Pomegranate

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
			19					BLB management					
		Irrigated	Rabi 2018-19	Pomegranate	Kesar	-	IDM	IDM package in pomegranate for BLB management	Rabi 2018-19	268	28	269	Pomegranate
		Irrigated	Rabi 2018-19	Pomegranate	Kesar	-	IDM	IDM package in pomegranate for BLB management	Rabi 2018-19	313	28	317	Pomegranate
		Irrigated	Kharif 2018-19	Fruits and vegetables	-	-	Nutritional security	Demonstration of nutri farms for year round nutrition security among farm families	Kharif 2018-19	191	21	414	-
		Irrigated	Kharif 2018-19	Fruits and vegetables	-	-	Nutritional security	Demonstration of nutri farms for year round nutrition security among farm families	Kharif 2018-19	201	20	384	-
		Irrigated	Kharif 2018-19	Fruits and vegetables	-	-	Nutritional security	Demonstration of nutri farms for year round nutrition security among farm families	Kharif 2018-19	214	21	373	-
		Irrigated	Kharif 2018-19	Fruits and vegetables	-	-	Nutritional security	Demonstration of nutri farms for year round nutrition security among farm families	Kharif 2018-19	187	23	274	-
		Irrigated	Kharif 2018-19	Fruits and vegetables	-	-	Nutritional security	Demonstration of nutri farms for year round nutrition security among farm families	Kharif 2018-19	203	22	413	-



Sl. No	Category	Farming Situation	Season and Year	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
		Irrigated	Kharif 2018-19	Fruits and vegetables	-	-	Nutritional security	Demonstration of nutri farms for year round nutrition security among farm families	Kharif 2018-19	198	21	367	-
		Irrigated	Kharif 2018-19	Fruits and vegetables	-	-	Nutritional security	Demonstration of nutri farms for year round nutrition security among farm families	Kharif 2018-19	179	20	359	-
		Irrigated	Kharif 2018-19	Fruits and vegetables	-	-	Nutritional security	Demonstration of nutri farms for year round nutrition security among farm families	Kharif 2018-19	231	22	279	-
		Irrigated	Kharif 2018-19	Fruits and vegetables	-	-	Nutritional security	Demonstration of nutri farms for year round nutrition security among farm families	Kharif 2018-19	98	19	273	-
		Irrigated	Kharif 2018-19	Fruits and vegetables	-	-	Nutritional security	Demonstration of nutri farms for year round nutrition security among farm families	Kharif 2018-19	321	36	347	-
5	<b>Fodder</b>	Irrigated	Kharif 2018-19	Fodder	-	Hybrid Napier, Hedge Lucerne and Fodder sorghum(CoFS-29)	Feed and fodder	Cultivation of Hybrid Napier, Hedge Lucerne and Fodder sorghum(CoFS-29)	Kharif 2018-19	281	28	301	Local fodder

Sl. No	Category	Farming Situation	Season and Year	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
		Irrigated	Kharif 2018-19	Fodder	-	Hybrid Napier, Hedge Lucerne and Fodder sorghum(CoFS-29)	Feed and fodder	Cultivation of Hybrid Napier, Hedge Lucerne and Fodder sorghum(CoFS-29)	Kharif 2018-19	312	31	314	Local fodder
		Irrigated	Kharif 2018-19	Fodder	-	Hybrid Napier, Hedge Lucerne and Fodder sorghum(CoFS-29)	Feed and fodder	Cultivation of Hybrid Napier, Hedge Lucerne and Fodder sorghum(CoFS-29)	Kharif 2018-19	279	27	293	Local fodder
		Irrigated	Kharif 2018-19	Fodder	-	Hybrid Napier, Hedge Lucerne and Fodder sorghum(CoFS-29)	Feed and fodder	Cultivation of Hybrid Napier, Hedge Lucerne and Fodder sorghum(CoFS-29)	Kharif 2018-19	287	30	316	Local fodder
		Irrigated	Kharif 2018-19	Fodder	-	Hybrid Napier, Hedge Lucerne and Fodder sorghum(CoFS-29)	Feed and fodder	Cultivation of Hybrid Napier, Hedge Lucerne and Fodder sorghum(CoFS-29)	Kharif 2018-19	312	33	327	Local fodder
		Irrigated	Kharif 2018	Fodder	-	Napier CO5	Feed and fodder	Assessment of new variety Napier CO-5	Kharif 2018	317	34	341	Local fodder

Sl. No	Category	Farming Situation	Season and Year	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
		Irrigated	Kharif 2018	Fodder	-	Napier CO5	Feed and fodder	Assessment of new variety Napier C0-5	Kharif 2018	286	27	298	Local fodder
		Irrigated	Kharif 2018	Fodder	-	Napier CO5	Feed and fodder	Assessment of new variety Napier C0-5	Kharif 2018	312	31	341	Local fodder
		Irrigated	Kharif 2018	Fodder	-	Napier CO5	Feed and fodder	Assessment of new variety Napier C0-5	Kharif 2018	271	27	297	Local fodder
		Irrigated	Kharif 2018-19	Fodder	-	Napier CO5	Feed and fodder	Assessment of new variety Napier C0-5	Kharif 2018	301	36	351	Local fodder

5. B. Results of FLDs

5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farmin g situation	No. of Demo .	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	** BC R	Gross Cost	Gross Return	Net Return	** BC R
							H	L	A										
Oilseeds	Wider row spacing in Sunflower	-	RSFH 1887	Rainfed	10	04	8.75	7.00	7.58	6.79	11.8	12490	26512	14022	2.13	11540	22746	11206	1.98
							6.50	4.50	5.60	4.80	16.6	11200	29120	17920	2.6	11200	23000	11800	2.05
	Popularization of Linseed variety –NL-115	NL-115	-	Rainfed	25	10													
Pulses	Integrated Crop Management in Redgram with variety TS-3R	TS -3R	-	Rain fed	75	30	16.5	10.0	9.17	8.04	9.17	27000	55908	26439	1.93	29000	49069	22069	1.81
							15	7.5	10.5	8.4	12.54	23000	45807	22007	1.92	23800	42575	19475	1.85
	Integrated Crop Management in Bengal gram with var BGD-103	BGD-103	-	Rain fed	75	30													
	Demonstration of Pigeon pea + Foxtail millet(1:2) intercropping system	DHFT 109-3	-	Rain fed	10	05	12	10	10.79	11.15	-	26400	70819	46219	2.87	24000	68015	44015	2.80

	Demonstration of Pigeonpea + Greengram(1:2) intercropping system	DGGV2	-	Rain fed	05	02	11.50	10.00	10.62	11	-	26400	82032	55632	3.10	25000	67100	42110	2.60
<b>Cereals</b>	New variety UAS 415 (Resistant to rust & good quality chapati)	UAS 415	-	Irrigated	10	5	28	17.80	24.00	22.15	9.1	21555	64800	43245	3.0	21550	62020	40470	2.9
	Root grub management in Maize	-	900M	Irrigated	6	35	42	37.50	39.5	37	6.8	30000	49560	19560	2.0	32000	44240	12240	1.26
	Wide row spacing in Bajra (120x15 cm)	-	Pioneer 86M52/ V/PMHL7	Rainfed	5	2	16.10	14.10	15.36	12.50	23.05	8220	18432	10212	2.24	7140	13750	6610	1.92
	High yielding variety CSV-29R compartment bunding in <i>Kharif</i> followed by <i>rabi</i> Sorghum , seed treatment with Biofertilizers	CSV-29R	-	Rainfed	15	06	13.00	10.00	11.19	9.73	15	13150	30200	17050	2.30	12800	27234	14434	2.13

	Demonstration of sorghum variety phule madhur for hurda preparation	Phule madhur	-		Rainfed	10	04	-	-	5.0	2.0	150	-	-	-	-	-	-	-	
<b>Millets</b>																				
<b>Vegetables</b>	Integrated Crop Management in Onion	Bhima super	-		Irrigated	5	7	58	45	50.2	45.6	10.5	75000	200800	125800	2.68	78000	164160	86160	2.10
	Integrated Crop Management in Onion	Bhima shakti	-		Irrigated	5	2	68	62	64.8	60.8	6.60	90000	453600	363600	5.04	92000	364800	272800	3.97
	ICM in tomato	Arka rakshak	-		Irrigated	5	2	13.50	11.50	12.18	11.64	5.16	35680	85260	49580	2.39	37680	75660	37980	2.01
<b>Flowers</b>																				
<b>Ornamental</b>																				
<b>Fruit</b>	Bacterial blight and nematode management in pomegranate	Kesar	-		Irrigated	5	2	18	11	15	13.2	18	88300	462000	373700	5.20	78150	382800	304650	4.9

	Integrated pest management in Lime	Kagzi	-	Irrigated	5	2	156.8	130	137.6	125.1	9.9	76000	275200	199200	5.07	81000	250200	169200	4.11
	Integrated nutrient management in Banana	-	Grand nene	Irrigated	5	2	40	24	28.6	26.4	9.2	91100	286000	194900	3.15	89500	237600	148100	2.68
	Integrated nutrient management in grape	Thomson seedless	-	Irrigated	5	2	26	22	23	9.2	11.67	251640	649600	397960	2.58	252000	582400	332400	2.35
<b>Spices and condiments</b>																			
<b>Commercial</b>	Integrated crop management in sugarcane	CO86032	-	Irrigated	05	02	120	118	120.1	111.5	7.9	84000	300250	216250	3.57	93300	278750	185450	2.99
<b>Fibre crops like cotton</b>																			
<b>Medicinal and aromatic</b>																			

<b>Fodder</b>	Cultivation of hybrid napier Co-5, CoFS-29 and hedge lucerne	-	Hybrid napier Co-5, hedge lucerne and CoFS-29	Irrigated	5	02	-	-	34	28	31.2	20000	78000	58000	3.9	-	-	-	-
<b>Plantation</b>																			
<b>Fibre</b>																			
<b>Others (pl.specify)</b>	Nutri farms	-		Irrigated	10	04	-	-	12	9	33	-	-	-	-	-	-	-	-

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

H – Highest Yield, L – Lowest Yield A – Average Yield

**Data on additional parameters other than yield (viz., reduction of percentage in weed/pest/diseases etc.)**

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check
Wider row spacing in Sunflower – Powdery mildew PDI %	15	22
Demonstration of Pigeon pea + Foxtail millet(1:2) intercropping system - No. of tillers	7.3	5.1
New variety UAS 415 (Resistant to rust & good quality chapati) -Rust	4.0	6.8
Root grub management in Maize (No. of root grubs/meter length )	6.0	16.0
Wide row spacing in Bajra (120x15 cm) – No. of cracks	3.2	6.8
High yielding variety CSV-29R compartment bunding in <i>Kharif</i> followed by <i>rabi</i> Sorghum , seed treatment with Biofertilizers – Lodging %	04	28



Integrated Crop Management in Onion – Thrips %	7.06	1.42
Integrated Crop Management in Onion- Alternaria blight PDI %	12.4	18.0
ICM in tomato – Thrips %	13.12	16.00
Bacterial blight and nematode management in pomegranate- BLB PDI%	11	17
Integrated pest management in Lime - Canker PDI %	4.28	15.0
Integrated nutrient management in Banana – leaf spot PDI%	14.9	19.3
Integrated nutrient management in grape- Powdery mildew	17	25
Integrated crop management in sugarcane – Straiga	9.4	19.4
Integrated crop management in sugarcane- No. of root grubs/meter length	4.5	12.0

### 5.B.2. Livestock and related enterprises

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Yield (kg/animal)				% Increase	*Economics of demonstration Rs./unit)				*Economics of check (Rs./unit)			
					Demo			Check if any		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Dairy	Supplementation of mineral mixture along with deworming and multivitamine injection	HF and Jersey crosses	5	5	-	-	-	-	-	-	-	-	all five animals came into heat and four of them got conceived	-	-	-	-
Poultry																	
Rabbitry																	
Piggery																	
Sheep and goat	Supplementation of immunoboosters along with deworming in sheep and goats	-	10	10	35	28	31.6	26.1	21	2000	8848	6848	4.4	2000	7308	5308	3.6
Duckery																	

Others (pl.specify)																		
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\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

**Data on additional parameters other than yield (viz., reduction of percentage diseases, increase in conceiving rate, inter-calving period etc.)**

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check if any

**5.B.3. Fisheries**

Type of Breed	Name of the technology demonstrated	Breed	No. of Demo	Units/ Area (m <sup>2</sup> )	Yield (q/ha)			Check if any	% Increase	*Economics of demonstration Rs./unit) or (Rs./m2)				*Economics of check Rs./unit) or (Rs./m2)				
					Demo					Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR	
					H	L	A											
Common carps	Composite fish culture in farm ponds	Rohu, Catla and Common carp	10	10	80	40	62	-	-	1,00,000	5,58,000	4,58,000	5.58	-	-	-	-	
Mussels																		
Ornamental fishes																		
Others (pl.specify)																		

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

H-High L-Low, A-Average

**Data on additional parameters other than yield (viz., reduction of percentage diseases, effective use of land etc.)**

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check if any
Composite fish culture in farm ponds		

**5.B.4. Other enterprises**

Enterprise	Name of the technology demonstrated	Variety/ species	No. of Demo	Units/ Area {m <sup>2</sup> }	Yield			% Increase	*Economics of demonstration (Rs./unit) or (Rs./m <sup>2</sup> )				*Economics of check (Rs./unit) or (Rs./m <sup>2</sup> )					
					Demo				Check if any	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR	
					H	L	A											
Oyster mushroom																		
Button mushroom																		
Vermicompost																		
Sericulture																		
Apiculture																		
Others (pl.specify)																		

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

H-High L-Low, A-Average

**Data on additional parameters other than yield (viz., additional income realized, employment generation, quantum of farm resources recycled etc.)**

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Local

**5.B.5. Farm implements and machinery**

Name of the implement	Cost of the implement in Rs.	Name of the technology demonstrated	No. of Demo	Area covered under demo in ha	Labour requirement in Mandays		% save	Savings in labour (Rs./ha)	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)					
					Demo	Check			Gross cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR		

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

**Data on additional parameters other than laboursaved (viz, reduction in drudgery, time etc.)**

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Local

**5.B.6.Extension and Training activities under FLD**

Sl.No.	Activity	No. of activities organised	Number of participants	Remarks
1	Field days	14	480	
2	Farmers Training	21	420	
3	Media coverage	16	-	
4	Training for extension functionaries	06	127	
5	Others (Please specify)			

**PART VI – DEMONSTRATIONS ON CROP HYBRIDS (2018-19)****Demonstration details on crop hybrids**

Type of Breed	Name of the technology demonstrated	Name of the hybrid	No. of Demo	Area (ha)	Yield (q/ha)			Check	% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo					Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
<b>Cereals</b>																	
Bajra	Wide row spacing in Bajra (120x15 cm)	Pioneer 86M52/DPMH-4.	5	2	16.10	14.10	15.36	12.50	23.05	8220	18432	10212	2.24	7140	13750	6610	1.92
<b>Total</b>			<b>5</b>	<b>2</b>	<b>16.10</b>	<b>14.10</b>	<b>15.36</b>	<b>12.50</b>	<b>23.05</b>	<b>8220</b>	<b>18432</b>	<b>10212</b>	<b>2.24</b>	<b>7140</b>	<b>13750</b>	<b>6610</b>	<b>1.92</b>
<b>Oilseeds</b>																	
Sunflower	Wider row spacing in Sunflower	RSFH-1887	10	04	8.75	7.00	7.58	6.79	11.8	12490	26512	14022	2.13	11540	22746	11206	1.98
<b>Total</b>			<b>10</b>	<b>04</b>	<b>8.75</b>	<b>7.00</b>	<b>7.58</b>	<b>6.79</b>	<b>11.8</b>	<b>12490</b>	<b>26512</b>	<b>14022</b>	<b>2.13</b>	<b>11540</b>	<b>22746</b>	<b>11206</b>	<b>1.98</b>
Fodder crops	Cultivation of hybrid napier Co-5, CoFS-29 and hedge lucerne	Hybrid napier Co-5, hedge lucerne and CoFs-29	5	01	-	-	34	28	31.2	20000	78000	58000	3.9	-	-	-	-
<b>Total</b>			<b>5</b>	<b>01</b>	<b>-</b>	<b>-</b>	<b>34</b>	<b>28</b>	<b>31.2</b>	<b>20000</b>	<b>78000</b>	<b>58000</b>	<b>3.9</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

H-High L-Low, A-Average

\*Please ensure that the name of the hybrid is correct pertaining to the crop specified

**PART VII. TRAINING (2018-19)**

**7.A.. Training of Farmers and Farm Women including sponsored training programmes (On campus)**

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Fem ale	Total	Male	Fem ale	Total	Male	Fem ale	Total
<b>Crop Production</b>										
Cropping Systems	1	18		18	4		4	22		22
Crop Diversification	1	21		21	3		3	24		24
Integrated Farming	1	24	1	25	0	0	0	24	1	25
Seed production	1	34		34	3		3	37		37
Nursery management										
Integrated Crop Management	9	303	22	325	31	1	32	334	23	357
Production of organic inputs	02	56	04	60	04	02	06	56	04	60
<b>Horticulture</b>										
<b>a) Vegetable Crops</b>										
Nursery raising	01	08	10	18	0	0	0	8	10	18
Cultivation of Fruit	02	14	04	18	4	2	6	18	10	28
<b>Home Science/Women empowerment</b>										
Household food security by kitchen gardening and nutrition gardening	1	0	18	18	0	5	5	0	23	23
Women and child care	1	0	22	22	0	10	10	0	32	32
<b>Plant Protection</b>										
Integrated Pest Management	3	75	38	113	12	12	24	87	50	137
Integrated Disease Management	3	86	4	90	26	2	28	112	6	118
Bio-control of pests and diseases	1	36	0	36	4	0	4	40	0	40
Production of bio control agents and bio pesticides	1	12	8	20	3	0	03	15	08	23
<b>TOTAL</b>	<b>28</b>	<b>687</b>	<b>131</b>	<b>818</b>	<b>94</b>	<b>34</b>	<b>128</b>	<b>777</b>	<b>167</b>	<b>944</b>

## 7.B Training of Farmers and Farm Women including sponsored training programmes (Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>Crop Production</b>										
Crop Diversification	01	8	0	8	4	0	4	12	0	12
Integrated Farming	01	12	0	12	6	0	6	18		18
Micro Irrigation/Irrigation	1	36	0	36	6	0	6	42	0	42
Seed production	11	300	30	330	18	06	24	30	36	354
Integrated Crop Management	6	488	62	550	94	0	94	582	62	644
Soil and Water Conservation	5	141	3	144	31	2	33	172	5	177
<b>b) Fruits</b>										
Cultivation of Fruit	04	34		34	0	0	0	34	0	34
<b>Soil Health and Fertility Management</b>										
Soil fertility management	3	184	40	224	77	32	109	261	72	333
Soil and water testing	1	23	0	23	7	0	7	30	0	30
Others (pl.specify)										
<b>Home Science/Women empowerment</b>										
Women and child care	1	0	12	12	0	6	6	0	18	18
<b>Plant Protection</b>										
Integrated Pest Management	2	36	0	36	8	0	8	44	0	44
Integrated Disease Management	10	398	43	441	42	0	42	440	43	483
Bio-control of pests and diseases	2	85	6	91	12	2	14	97	8	105
<b>TOTAL</b>	<b>48</b>	<b>1745</b>	<b>196</b>	<b>1941</b>	<b>305</b>	<b>48</b>	<b>353</b>	<b>1762</b>	<b>244</b>	<b>2294</b>

**7.C. Training for Rural Youths including sponsored training programmes (on campus)**

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated farming	2	62	1	63	6	0	6	68	1	69
Any other (pl.specify) plant protection	6	264	19	283	36	2	38	300	21	321
<b>TOTAL</b>	<b>8</b>	<b>326</b>	<b>20</b>	<b>346</b>	<b>42</b>	<b>2</b>	<b>44</b>	<b>368</b>	<b>22</b>	<b>390</b>

**7.D. Training for Rural Youths including sponsored training programmes (off campus) : Nil****7.E. Training programmes for Extension Personnel including sponsored training programmes (on campus)**

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	02	30	0	30	0	0	0	30	0	30
Integrated Pest Management	01	14	0	14	0	0	0	14	0	14
Production and use of organic inputs	02	54	04	58	0	0	0	54	4	58
Any other (pl.specify) integrated farming system	1	24	1	25	0	0	0	24	1	25
<b>Total</b>	<b>6</b>	<b>122</b>	<b>5</b>	<b>127</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>122</b>	<b>5</b>	<b>127</b>

**7.F. Training programmes for Extension Personnel including sponsored training programmes (off campus)**

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	02	54	06	60	0	0	0	54	06	60
Integrated Pest Management	02	50	03	53	0	0	0	50	03	53
Production and use of organic inputs	02	46	04	52	0	0	0	46	04	52
<b>Total</b>	<b>6</b>	<b>150</b>	<b>13</b>	<b>165</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150</b>	<b>13</b>	<b>165</b>



**7.G. Sponsored training programmes conducted**

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	Crop production and management	2	62	1	63	6	0	6	68	1	69
3.	Soil health and fertility management										
4	Production of Inputs at site	02	30	10	40	0	0	0	30	10	40
6	Others (pl.specify) plant protection	6	264	19	283	36	0	36	300	19	319
	<b>Total</b>	10	356	30	386	42	0	42	398	30	428

**Details of sponsoring agencies involved**

1. ATMA
2. NGO Vishala
3. Zuari

**7.H. Details of Vocational Training Programmes carried out by KVKs for rural youth**

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	<b>Crop production and management</b>										
1.d.	Integrated crop management	1	24	1	25	0	0	0	24	1	25
1.f.	Others (pl.specify) Integrated pest management	1	36	0	36	8	0	8	44	0	44
2	<b>Post harvest technology and value addition</b>										
3.	<b>Livestock and fisheries</b>										
3.a.	Dairy farming	1	19	13	32	4	2	6	23	15	38
3.b.	Composite fish culture										
3.c.	Sheep and goat rearing	2	58	2	60	36	1	37	94	3	97
3.d.	Piggery										
3.e.	Poultry farming	1	10	3	13	4	6	10	14	9	23
4.d.	Rural Crafts	1	0	21	21	0	9	9	0	30	30
4.i.	Tailoring, stitching, embroidery, dying etc.	1	0	12	12	0	3	3	0	15	15
	<b>Grand Total</b>	8	147	52	199	52	21	73	199	73	272

## 7.F. Details of Skill Training Programmes carried out by KVKs under ASCI

S. No.	Name of Job Role	Date of Start	Date of Assessment	Total Expenditure (Rs.)	No. of Participants									No of Participants passed assessment
					General			SC/ST			Grand Total			
					Male	Female	Total	Male	Female	Total	Male	Female	Total	
1	Dairy farmer/entrepreneur	17.01.2019	12.03.2019	132000	14	-	14	5	1	6	19	1	20	20
2	Organic grower	15.2.2019	24.3.2019	112060	18	0	18	02	0	02	20	0	20	20
				<b>244060</b>	<b>32</b>	<b>0</b>	<b>32</b>	<b>7</b>	<b>1</b>	<b>8</b>	<b>39</b>	<b>1</b>	<b>40</b>	<b>40</b>

**PART VIII – EXTENSION ACTIVITIES (2018-19)****Extension Programmes (including extension activities undertaken in FLD programmes)**

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	14	344	37	381	73	17	90	6	3	9
Kisan Mela	3	15000	5000	20000	500	200	700	50	15	65
Kisan Ghosthi	4	455	90	545	109	21	130	35	3	38
Exhibition	3	5400	2112	7512	538	217	755	56	14	70
Film Show										
Method Demonstrations	10	50	5	55	20	5	25	0	0	0
Farmers Seminar										
Workshop										
Group meetings	23	415	66	481	95	33	128	174	43	217
Lectures delivered as resource persons	42	1332	976	2308	168	200	368	150	33	183
Newspaper coverage	15									
Radio talks	16	-								
TV talks	0									
Popular articles	29									
Extension Literature	14	-								
Advisory Services	12	2167	0	2167	266	0	266	0	0	0
Scientific visit to farmers field	68	697	62	759	72	34	106	34	12	46
Farmers visit to KVK	20	628	12	640	111	0	111	0	0	0
Diagnostic visits	10	18	4	22	1	0	1	2	2	4
Exposure visits										
Ex-trainees Sammelan										
Soil health Camp										
Animal Health Camp										
Agri mobile clinic										
Soil test campaigns										
Farm Science Club Conveners meet										
Self Help Group Conveners meetings										
Mahila Mandals Conveners meetings										
Celebration of important days (specify)	11	389	407	796	130	105	235	35	29	64
Any Other (Specify)										
<b>Total</b>	<b>294</b>	<b>26895</b>	<b>8771</b>	<b>35666</b>	<b>2083</b>	<b>832</b>	<b>2915</b>	<b>542</b>	<b>154</b>	<b>696</b>

**PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIAL (2018-19)****9.A. Production of seeds by the KVKs**

Crop category	Name of the crop	Name of the Variety	Name of the Hybrid	Quantity of seed(q)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	Sorghum	M35-1	-	23	3900	400
Oilseeds	Linseed	NI-115	-	01	100000	30
Pulses	Redgram	TS-3R	-	3	18000	80
Fodder crop seeds	Fodder crop (cuttings)	Hybrid nepier	Co-5	30000	30000	30
<b>Total</b>				<b>30027</b>	<b>151900</b>	<b>540</b>

**9.B. Production of planting material by the KVKs**

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Fruits	Guva air layers	L-49	-	2000	40	26
	Lime seedlings	Kagzi	-	1200	20	15
	Pomegranate	Kesar	-	3000	20	29
<b>Total</b>				<b>6200</b>	<b>80</b>	<b>70</b>

**9. C. Production of Bio-Products**

Bio Products	Name of the bio-product	Quantity (q)	Value (Rs.)	Number of farmers to whom provided
Bio Fertilizers	Methraizium	50 kg	10000	25
<b>Total</b>		<b>50</b>	<b>10000</b>	<b>25</b>

**9.D. Production of livestock**

Particulars of Livestock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
<b>Dairy animals</b>				
Cows	HFXDeoni	7	72700	4
Buffaloes				
Calves	HFXDeoni	6	84500	3
Others (Goat and sheep)	Osmanabadi	23	97500	3
<b>Poultry</b>				
Broilers	Raja-2	180	21384	1
Layers	Swarnadhara	990	Distributed under SRP	20

**PART X – PUBLICATIONS, SUCCESS STORY, INNOVATIVE METHODOLOGY, ITK,  
TECHNOLOGY WEEK**

**10. A. Literature Developed/Published (with full title, author & reference)**

(A) KVK Newsletter:

Date of start: **April 2018** Periodicity: **April to september & October to March** Copies printed in each issue: **100**

(B) Literature developed/published

Item	Number
Research papers- International	02
Research papers- National	04
Technical reports	06
Technical bulletins	06
Popular articles - English	01
Popular articles – Local language	29
Extension literature	14
Others (Abstracts in symposium)	9
<b>TOTAL</b>	<b>71</b>

**10.B. Details of Electronic Media Produced**

S. No.	Type of media	Title	Details
1	CD / DVD	Pomegranate , Banana	
2	Mobile Apps	-	
3	Social media groups with KVK as Admin	KVKVijayapura group Negilayogi group	
4	Facebook account name		
5	Instagram account name		

**10.C. Success Stories / Case studies, if any (two or three pages write-up on each case with suitable action photographs. The Success Stories / Case Studies need not be restricted to the reporting period).**

This will be considered only with suitable photos for further reporting/reference.

The Broad outline for the case study may be

Title

Background

Interventions

Process

Technology

Impact

Horizontal Spread

Economic gains

Employment Generation

**10.D. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year**

**10.E. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)**

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK

**10 F. Technology Week celebration during 2018-19: Nil**

**PART XI – SOIL AND WATER TEST****11.1 Soil and Water Testing Laboratory****A. Status of establishment of Lab :**

1. Year of establishment : 01.09.2005
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost	Status
1.	BPL make electronic weighing scale with battery	1 No.	10890	Good in condition
2.	Shaking machine	1 No.	47025	Good in condition
3.	Electronics automatic KEL plus model KES-061	1 No.	142844	Good in condition
4.	Electronics automatic KEL plus model YL EM	1 No.		
5.	Flame Photometer	1 No.	32040	Good in condition
6.	pH. Analyzer with CL-51B	1 No.	8900	Not Good in condition
7.	Scanning visible spectra photo meter	1 No.	40050	Good in condition
8.	Hot air oven	1 No.	17228	Not Good in condition
9.	Hot plate	1 No.	3046	Not Good in condition
10.	FCCM-183 analyzer with ATC probe	1 No.	9790	Not Good in condition
11.	Grinder size 100 mm	1 No.	15435	Good in condition
12.	Voltas Refrigerator 220 capacity	1 No.	10765	Not Good in condition
13.	V-guard stabilizer 500 VA	1 No.	1220	Not Good in condition
14.	Stand for refrigerator	1 No.	300	Not Good in condition
15.	Double distillation water still (glass) silica capacity-2 ltr	1 No.	16000	Not Good in condition
16.	Double distillation water still (glass) silica capacity 4ltr	1 No.	43050	Not Good in condition
17.	Soil storage cabinet	1 No.	6050	Not Good in condition
18.	Wooden pestle and mortar and handles	1 No.	475	Good in condition
19.	Lab stools 12”X12”	6 Nos.	4768	Not Good in condition
20.	Laboratory table 88”X30”X36 with granite top as per specification	4 Nos.	75776	Good in condition
21.	Laboratory table 72”X30”X36 with granite top as per specification	4 Nos.	67724	Good in condition
22.	Laboratory table 58”X30”X36 with granite top as per specification	3 Nos.	50793	Good in condition
23.	Wash basin tab type oriental	3 Nos.	4500	Not Good in condition
24.	Gas burner-solar move	1 No.	1500	Not Good in condition
25.	Combined electrode type CL51B for pH meter model L1612	1 No.	850	Not Good in condition
26.	Conductivity cell type CC03B for conductivity meter model CM 183	1 No.	1000	Good in condition

27.	Software and interfacing accessories for spectro photo meter Model SI-177	1 No.	20000	Not Good in condition
28.	Sieve bress frame 20 emedia 2.00mm	1 No.	650	Good in condition
29.	Sieve bress frame 20 emedia 1.00mm	1 No.	650	Good in condition
30.	Sieve bress frame 20 emedia 20cm	1 No.	650	Good in condition
31.	Sieve bress frame 20 emedia 20cm 250 micron	1 No.	250	Good in condition
32.	Electronic acid neutralizer scrubber model KEL VAC	1 No.	30400	Not Good in condition
33.	Spare silica heater for double distillation water still (Glass ) CAS 2ltr	1 Set	2837	No Good in condition
34.	Spare silica heater for double distillation water still (Glass) CAS 4 ltr.	1 Set	5201	Good in condition
35.	Pusa Digital STRF meter kit model WST 201 PGPS-1	1 No.	65000	Good in condition
36.	ELICO Micro controller based pH meter with Temperature probe & combined Electrode CL-51 B model LI-617	1 No.	9450	Good in condition
37.	AAS	1 No.	1449352	Good in condition
38.	Water Softner	1 No.	15450	Not Good in condition
39.	All glass table distillation unit	1 No.	35445	Not Good in condition
40.	Luminous Zelio 1.1KVA	1 No.	6000	Good in condition
41.	Turbo Power (H) 180AH	1 No.	13120	Good in condition

#### B. Details of samples analyzed since establishment of SWTL:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages
Soil Samples	4751	4308	316
Water Samples	2099	1922	183
Plant samples	-	-	-
Manure samples	-	-	-
Others (specify)	-	-	-
<b>Total</b>	<b>6850</b>	<b>6230</b>	<b>499</b>

#### C. Details of samples analyzed during the 2018-19:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages
Soil Samples	661	617	43
Water Samples	419	393	34
Plant samples	-	-	-
Manure samples	-	-	-
Others (specify)	-	-	-
<b>Total</b>	<b>1080</b>	<b>1010</b>	<b>77</b>



**11.2 Mobile Soil Testing Kit****A. Date of purchase and current status**

Mobile Kits	Date of purchase	Current status
1.PUSA digital soil test and fertiliz recommendation kit	26.11.2016	Good condition
2.MRIDHAPARIKSHAK	31.3.2017	Good condition

**B. Details of soil samples analyzed during 2018-19 and since establishment with Mobile Soil Testing Kit:**

	Progress during 2018-19	Cumulative progress
Samples analyzed (No.)	80	383
Farmers benefited (No.)	80	328
Villages covered (No.)	18	45

**11.3 Details of soil health cards issued based on SWTL & Mobile Soil Testing Kit during 2018-19:**

Particulars	Date (s)	Villages (No.)	Farmers (No.)	Samples analyzed (No.)	Soil health cards issued (No.)
SWTL	2018-19	25	537	581	171
Mobile Soil Testing Kit	2018-19	18	80	80	-

**11.4 World Soil Health Day celebration**

Sl. No.	Farmers participated (No.)	Soil health cards issued (No.)	VIPs (MP/ Minister/MLA attended (No.)	Other Public Representatives participated	Officials participate (No.)	Media coverage (No.)
1.	155	25	-	10	04	05

**PART XII. IMPACT****12.A. Impact of KVK activities (Not restricted for reporting period).**

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

**12.B. Cases of large scale adoption (Please furnish detailed information for each case with suitable photographs)****12.C. Details of impact analysis of KVK activities carried out during the reporting period**

### **PART XIII - LINKAGES**

#### **13A. Functional linkage with different organizations**

<b>Name of organization</b>	<b>Nature of linkage</b>
RKVY	Trainings on Good Agricultural Practices & Animal health camp
NFSM	Demonstrations were conducted on ICM in Groundnut & Bengalgram, pigeonpea, sunflower and linseed
Agriculture Skill Council of India	Dairy farming-02
KSDH (Sujala)	Training programme for progressive farmers
GOK, Bengaluru	Trainings conducted on farmers to farmers
NFSM	Seed hub
NGO – World vision	Trainings

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

#### **13B. List of special programmes undertaken by the KVK and operational now, which have been financed by State Govt./Other Agencies**

<b>Name of the scheme</b>	<b>Date/ Month of initiation</b>	<b>Funding agency</b>	<b>Amount (Rs.)</b>

#### **13C. Details of linkage with ATMA**

##### **Coordination activities between KVK and ATMA**

<b>S. No.</b>	<b>Programme</b>	<b>Particulars</b>	<b>No. of programmes attended by KVK staff</b>	<b>No. of programmes Organized by KVK</b>	<b>Other remarks (if any)</b>
<b>01</b>	<b>Meetings</b>		<b>12</b>	<b>02</b>	
<b>02</b>	<b>Research projects</b>		<b>04</b>	<b>04</b>	
<b>03</b>	<b>Training programmes</b>				
<b>04</b>	<b>Demonstrations</b>				
<b>05</b>	<b>Extension Programmes</b>				
	Kisan Mela		<b>01</b>	<b>01</b>	
	Technology Week				
	Exposure visit		<b>02</b>		
	Exhibition				
	Soil health camps				
	Animal Health Campaigns				
	Others (Pl. specify)				
<b>06</b>	<b>Publications</b>				

	Video Films				
	Books				
	Extension Literature				
	Pamphlets				
	Others (Pl. specify)				
<b>07</b>	<b>Other Activities</b> (Pl. specify)				
	Watershed approach				
	Integrated Farm Development				
	Agri-preneurs development				

**13D. Give details of programmes implemented under National Horticultural Mission**

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Constraints if any

**13E. Nature of linkage with National Fisheries Development Board**

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks

**13F. Details of linkage with RKVY**

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
<b>01</b>	<b>E-pest surveillance</b>	<b>Survey and surveillance of pest of pulses and commercial crop</b>	-	-	<b>One time assistance</b>

### 13G. Kisan Mobile Advisory Services

Month	Message type (Text/Voice)	SMS/voice calls sent (No.)						Total SMS/Voice calls sent (No.)	Farmers benefitted (No.)
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprises		
April 2018	Text	04	01					05	50251
May	Text	01	-	01				02	5210
June	Text	01	-					01	3250
July	Text								
August	Text	02	01					03	15600
September	Text	01	01						5250
October	Text	01	01						8140
November	Text	01	01			01		03	8140
December	Text	01	01			01		03	7513
January 2019	Text	02	01			01		03	6523
February	Text	01	01					01	3250
March	Text	-	-						
<b>Total</b>		<b>15</b>	<b>8</b>	<b>1</b>		<b>3</b>		<b>21</b>	<b>113127</b>

### PART XIV- PERFORMANCE OF INFRASTRUCTURE IN KVK

#### 14A. Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	

#### 14B. Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals			04	M35-1	C/S	23	30000	89700	Seed
Pulses			2.5	TS-3R	C/S	03	38000	18000	Seed
Oilseeds			1.6	NL-115	TL	01	3000	10000	Seed

#### 14C. Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
01	Metharium	50 kg	2400	12500	

**14D. Performance of instructional farm (livestock and fisheries production)**

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	

**14E. Utilization of hostel facilities : Nil****14F. Database management**

S.No	Database target	Database created
1	Farmesr data base	Database created
2	SMS database	Database created

**14G. Details on Rain Water Harvesting Structure and micro-irrigation system**

Amount sanction (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		
10,0000	860762	Farm pond	01	02	-	50	8	31 lakhs	0.6 ha

**PART XV - FINANCIAL PERFORMANCE****15A. Details of KVK Bank accounts**

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute	SBI	Dharwad	-	Comptroller, UAS, Dharwad	-	-	-
With KVK	SBI	Vijayapur	000819	Programme Coordinator, KVK, Vijayapur	31010226801 10465780871	586002001	SBIN0015639
	SBI	Vijayapur	000819	Programme Coordinator, KVK, Vijayapur	36343141923	586002001	SBIN0015639

**15B. Utilization of KVK funds during the year 2018-2019(Rs. in lakh)**

S. No.	Particulars	Sanctioned	Released	Expenditure
<b>A. Recurring Contingencies</b>				
1	<b>Pay &amp; Allowances</b>	9957000	9957000	8593672
2	<b>Traveling allowances</b>	150000	150000	147173
3	<b>Contingencies</b>			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	225000	225000	224646
B	POL, repair of vehicles, tractor and equipments	190000	190000	189144
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	100000	100000	99380
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	25000	25000	24685
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	312000	312000	310047
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	97000	97000	83653
G	Training of extension functionaries	25000	25000	22290
H	Maintenance of buildings	50000	50000	47268
I	Establishment of Soil, Plant & Water Testing Laboratory	25000	25000	24912
J	Library	5000	5000	4360
K	EDP	61000	61000	57772
<b>TOTAL (A)</b>		<b>11272000</b>	<b>11272000</b>	<b>9829002</b>
<b>B. Non-Recurring Contingencies</b>				
1	<b>Works</b>			
2	<b>Equipments including SWTL &amp; Furniture</b>			

3	<b>Vehicle</b> (Four wheeler/Two wheeler, please specify)			
4	<b>Library</b> (Purchase of assets like books & journals)			
<b>TOTAL (B)</b>				
<b>C. REVOLVING FUND</b>				
<b>GRAND TOTAL (A+B+C)</b>		<b>11272000</b>	<b>11272000</b>	<b>9829002</b>

**15C. Status of revolving fund (Rs. in lakh) for the last three years**

Year	Opening balance as on 1 <sup>st</sup> April	Income during the year	Expenditure during the year	Net balance in hand as on 1 <sup>st</sup> April of each year
April 2016 to March 2017	2539944	2455902	1985079	2962983
April 2017 to March 2018	2962983	2292790	1978422	3901851
April 2018 to March 2019	3238421	1297624	876717	<b>Rs. 3659328</b> + Stock in hand Rs. 393000 + RF Indi Rs. 500000 Grand total Rs.45,52,328/-

**16. Details of HRD activities attended by KVK staff**

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
<b>Dr.S.A.Biradar</b>	Senior Scientist & Head	workshop on "Tapping Innovative ideas among students for encourage Agri-Entrepreneurship under NAIN"	Department of IF, BT & S & T, GOK	24.08.2018 Agriculture college, Vijayapur
		Workshop on "Farm Science Congress"	Institution of Agricultural Technologies (IAT), Bangaluru .	5 October 2018, IAT, Bangaluru
		Training programme Quality seed product "Forage Crops".	IGFRI Southern Regional Research Station, Dharwad.	25-27 March 2019 at STU, Dharwad
		Training Programme on "Management Development Programme for Newly Recruited Programme Co-Ordinator of Krishi Vigyan Kendra's"	ICAR-NAARM, Hyderabad.	04-18 December 2018, ICAR-NAARM, Hyderabad.

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
		Training Programme on “MDP-Phase II Training for newly inducted PC’s”.	ICAR-NAARM, Hyderabad.	12-2018 to 31-12-2018 at KVK, Babaleswar, Ahmednagar (MS).
		Training Programme on “MDP-Phase III Training for newly inducted PC’s”.	ICAR-NAARM, Hyderabad.	5.12.2018 to 09.12.2018 at ICAR-ATARI, Bangaluru
<b>Dr.Prema B. Patil</b>	Scientist (Home Science)	Contemporary methods of conservation and management of plant genetic resources in subtropical fruit crops reference to poemegranate & citrus.	UHS Bagalkot	8 <sup>th</sup> January to 28 <sup>th</sup> January
<b>Dr. Sangeeta Jadhav</b>	Scientist (Animal Science)	Production & conservation of green fodder for vibrant animal husbandry	STU SAMETI Dharwaf	28.06.2018 to 29.06.2018
		Skill development orientation training programme	GKVK campus Bangalure	23.09.2018 to 25.09.2018
<b>Dr.Vivek S.Devaranavadagi</b>	Scientist (Agricultural Engineering)	Risk management in agriculture	Agriculture marketing college , Hubli	27.03.2019 to 28.03.2019
		Sujala-3 training	NBSS & LUP	20.4.2019
<b>Mr.B.C.Kolhar</b>	Technical officer	Contemporary methods of conservation and management of plant genetic resources in subtropical fruit crops reference to poemegranate & citrus.	UHS Bagalkot	8 <sup>th</sup> January to 28 <sup>th</sup> January
		Skill development orientation training programme	GKVK campus Bangalure	23.09.2018 to 25.09.2018



Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Mr.Mallappa B.	Farm Manager	Contemporary methods of conservation and management of plant genetic resources in subtropical fruit crops reference to poemegranate & citrus.	UHS Bagalkot	8 <sup>th</sup> January to 28 <sup>th</sup> January
		Sujala-3 training	NBSS & LUP	20.4.2019

**17. Please include any other important and relevant information which has not been reflected above (write in detail).**

1. KVK has obtained *fssai* license number 11217307000048
2. KVK has its trademark registered at Bijo –Krishi Dhara