KRISHI VIGYAN KENDRA VIJAYAPURA-II (Indi)

ANNUAL REPORT-2020

(FOR THE PERIOD FROM 01 January 2020TO 31 December 2020)

KVK Address and Host Organization details

ICAR – KrishiVigyan Kendra, Vijayapura- II(Indi) , Station Road, Indi -586 209
University of Agricultural Sciences,Krishi Nagar, Dharwad-580005

PART I - GENERALINFORMATION ABOUT THE KVK

1.1. Name and address of KVK withphone, fax and e-mail

KVK Address	Telephone		E mail	Web Address
	Office	Fax		
ICAR – KrishiVigyan Kendra, Vijayapura- II, Station Road, Indi -586 209	**08359-225666**	**08359-225666**	kvkindi2016@gmail.com kvkindi@uasd.in kvk.Vijayapura2@icar.gov.in	**www.indikvk.org**

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-580005	0836-2447494	0836-2748199	de@uasd.in	English website :http://www.uasd.edu Kannada website :http://www.uasd.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. R.B. Negalur Sr. Scientist (Agronomy) and Head,	9606337715/9448495320	7829629407	tushberkipilli@rediffmail.com

1.4. Year of sanction:

1.5. Staff position as on 31 December 2020

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. R.B. Negalur	Senior Scientist and Head	M	Agronomy	Ph.D (Agronomy)	131400 Level 13A	131400	18.08.2017	Permanent	GM
2	Scientist/SMS	Dr.Savita, B.,	Scientist	F	Soil Science	Ph.D(Soil Science)	57700 Level 10 A	63000	21.02.2017	Permanent	SC
3	Scientist/SMS	Dr. SantoshShinde	Scientist	M	Animal Science	Ph.D (Veterinary Gynaecology)	57700 Level 10 A	63000	12.04.2017	Permanent	SC
4	Scientist/SMS	Mrs. Heena, M.S.	Scientist	F	Horticulture	M.Sc (Vegetable Science)	57700 Level 10 A	61200	24.07.2017	Permanent	2B
5	Scientist/SMS	Dr. Ravi, Y.	Scientist	M	Home Science	Ph.D (Home Science)	57700 Level 10 A	61200	24.07.2017	Permanent	SC
6	Scientist/SMS	Dr. SyedaSamina Anjum	Scientist	F	Plant Pathology	Ph. D (Plant Pathology)	57700 Level 10 A	59400	28.07.2017	Permanent	2B
7	Scientist/SMS	Vacant	Scientist	-	Agronomy	-	-	-	-	-	-
8	Programme Assistant (Lab Tech.)		Programme Assistant (Lab Tech.)	-	-	-	Level-6 35000-112400	-	-	-	-
9	Programme Assistant (Computer)	Mr. Majeed G	Technical Officer (Computer)	M	Computer Science	M.C.A	Level-7 44900-142000	12450+ 4600 (AGP)	24.07.2019	Permanent	OBC
10	Programme Assistant/ Farm Manager	Vacant	Farm Manager	-	-	-	Level-6 35000-112400	-	-	-	-
11	Assistant	Shilparani	Assistant	F	Accounts	Diploma Agri		-	07.08.2017	Permanent	SC
12	Jr. Stenographer	Vacant	-		-	-		-			
13	Driver - 1	Chandrakant Dasharath	Driver (LMV)	M	-	P.U.C.		-	04.09.2017	Permanent	SC
14	Driver - 2	S. S. Sanadi	Driver (LMV)	M		S.S.L.C.			25.07.2019	Permanent	OBC
15	SS-1	Shivappa S. Bagali	Farm Labour	M	-	VII	9600	-	04.09.2017	Permanent	OBC
16	SS-2	Vacant	Cook Cum Caretaker	-	-	-	-	-	-	-	-

1.6. Total land with KVK (in ha):54.32 Acre (21.73 ha)

S. No.	Item	Area (ha)
1	Under Buildings	2.22
2.	Under Demonstration Units	1.00
3.	Under Crops	17.00
4.	Orchard/Agro-forestry	1.50
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, New Delhi	24.07.2018	601	1,60,00000			
2.	Farmers Hostel	ICAR, New Delhi	30.12.2019	350	89,59,0000			
3.	Staff Quarters							-
4.	Demonstration Units							
	1 Vermicompost unit	UAS, Dharwad					-	Roofing is yet to be done
	2.Vermiwash unit	UAS, Dharwad					-	Completed
	3.Azoll Unit	UAS, Dharwad					-	Completed
	4 Poultry Unit	ICAR, New Delhi	-	40	3,27,000			Yet to be completed
	5 Goatary Unit	UAS, Dharwad (Under SRP)		65	-			Completed
5	Fencing							
6	Rain Water harvesting system							
7	Threshing floor							
8	Farm godown							

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
John Deer Tractor	2018	5,58,215	51225 kms	Good and working
Bolero SLE 2WD	2018	7,16,321	866 hrs	Good and working

C) Equipment & AV aids

Name of the equipment	Year of purchase	Cost (Rs.) in lakh	Present status
Dell Desktop OptiPlex 5250	2018	1.18	Good and working
Hp printer M227 SDN	2018	0.24	Good and working
Mike (sound) system	2018	0.31	Good and working
Kenstar Cooler	2018	0.26	Good and working
Pedestal Fans 400 mm Usha	2017	0.17	Good and working
Double door refrigerator 300/311 liters	2017	0.34	Good and working
Plastic chairs	2017	0.41	Good and working
Visitors chairs (stainless steel) 3 seat	2017	0.15	Good and working
Supply and fixing of notice board of size 4ft x 3 ft round mild steel popes with reverse “V” stand	2018	0.06	Good and working
Supply of white writing board size - 4ft x 3 ft	2018	0.03	Good and working
Supply and fixing of rotating book magazine display stand: (made of steel mesh with powder coated pipes fixed to mild steel star base)	2018	0.04	Good and working
Supply and fixing news paper reading stand (made of particle boards (2 No’s) of size 3’x 2’ with 1 inch round mild steel black powder coated pipes with black powder	2018	0.06	Good and working
Supply and fixing of Tripod stand (made with 1 inch round mild steel black powder coated pipes with black powder)	2018	0.02	Good and working
Supply and fixing of poster / banner display stand made of synthetic cloth size 6 ft x 3 ft fixed with 2 no’s of 3 ft, wide clip, 1 inch round mild steel black powder coated pipes with black steel star base)	2018	0.16	Good and working
Water Tank	2019	1.20	Good and working
LED Projector Casio XJ-VI 2700 lumens resolution and Motorized screen 4 x 6	2017	0.7	Good and working
Kyocera digital multifunctional photocopier model: Taskalfa 2201, Duplex network printer	2017	0.98	Good and working
Hp Desktop core i5, 44 B RAM, 11B HDD, DVD, R/W, monitor , Keyboard, mouse	2017	0.49	Good and working
Hp Desktop core i5, 4GB RAM, 1TB HDD, DVD, R/W, monitor 18.5’’, Keyboard, mouse	2018	0.41	Good and working
Microtech 2 KV (sinewave) Invertor and tubular amaronbattries	2018	0.36	Good and working
Cannon camera mi-E0S 1300D Body with single lens	2018	0.24	Good and working
Computer (Dell optiplex 5250 Alox)	2018	1.18	Good and working

Computer tables	2017	0.15	Good and working
Computer chairs	2017	0.08	Good and working
All in one desktop 8th generation 4 GB RAM screen 21.5 inch windows computer.	2019	0.59	Good and working
Executive table (Programme Co-ordinator)	2017	0.17	Good and working
Tables (T-9 SMS)	2017	0.76	Good and working
Chairs (Semi Executive Revolving mid back)	2017	0.33	Good and working
Tables (T-S Programme Assistant)	2017	0.21	Good and working
Tables (T-S Programme Assistant)	2017	0.072	Good and working
S - Type cane chairs (with arms)	2017	0.37	Good and working
S - Type cane chairs (without arms)	2017	0.32	Good and working
Alamirah (6 ft x 3ft)	2017	1.2	Good and working
Filing cabinet (04 compartment)	2017	0.28	Good and working
Filling cabinet (02 compartment)	2017	0.32	Good and working

1.8. Details of SAC meeting conducted during 2020

Date	Number of Participants	Salient Recommendations	Action taken	Remarks, if any
12.11.2020	40	Start soil and water testing laboratory at KVK, Indi	-	-
		Take up production of bio fertilizer at KVK Indi		
		To get of different vegetable seeds from IIHR, Bengaluru on demand of farmers		
		filling up the vacant posts at KVK, Indi		
		Conduct more number of training on bio digester, Biogas and Vermicompost production at KVK, Indi		
		Start grape leaf and stem testing laboratory at KVK ,Indi		
		The problem like wilt/dry root rot disease are affecting redgram TS-3R crop. Hence, it is suggested to introduce new variety of redgram resistant to wilt/dry root rot disease.		
		To produce pulse magic locally or make arrangement of its availability to farmers		
		Home Scientist of KVK, Indi is suggested to get the training at IIHR, Bengaluru on lime value addition, grading and processing. After attending the training programme it is advised to arrange training on these aspects for more number of farmers.		
		Speed up purchasing equipments required to start soil and water testing laboratory at KVK, Indi under NMSA scheme from UAS, Dharwad.		
		To get the equipments required to start Bio control laboratory will at KVK, Indi from UAS, Dharwad		
		Start a model demonstration on Integrated farming system (IFS) at KVK, Indi.		
		Popularize Kisan Rath, and FARMS app among the farmers.		
		Create awareness on food processing for the benefit of farmers.		
		Establsih small demo unit having different varieties at KVK Indi or in Shri Chidamabar Kulkarni farmer field		
		Due to heavy wind during the month of June and July thorns of plant affect the lime and results permanent scars on lime due to which quality will go down and fetch lower price at market. So, it is advised to give necessary measures to combat this issue.		
		Shortage of labour for cotton picking is increasing day by da, it is advised to conduct the cotton picking machine method demonstration in collaboration with cotton corporation of India and in the same line in association with national pomegranate research institute, Sholapur it is advised to conduct training on Pest and disease management in Pomegranate		
		To improve KVK, Website		

PART II - DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Agriculture, Horticulture and Animal husbandry and Goat farming

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

S. No	Agro-climatic Zone	Characteristics
1.	Northern Dry Zone –III	**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 BasavanaBagewadi, Vijayapura, Muddebihal, Indi,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. **Temperature:**The mean monthly maximum temperature varies from 29.3 ^{o}C (December) to a maximum of 39.0 ^{0}C (May). The mean monthly minimum temperatures are lowest (15.5 ^{o}C) during January, which increases gradually to maximum of about 23.3 ^{o}C (May). **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. **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 (*Kharif*)	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 *kharif* 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 **Tqs:** B. Bagewadi, Indi, Sindgi and Vijayapura **Crops:**Bajra, greengram, redgram, sunflower, onion and groundnut
2	Rainfed cropping in Monsoon (*Rabi*)	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. **Tqs:** B. Bagewadi, Muddebihal, Sindgi and Vijayapura **Crops:***Rabi* 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 4Crops: Bajra, greengram, redgram, sunflower, onion and groundnut
4	Medium deep black soil with *kharif* irrigation	Tqs: B. Bagewadi Crops: Onion, maize, cotton and redgram
5	Red soil and shallow soils with *kharif* irrigations	Tq: Indi Crops: Groundnut
6	Medium to deep black soil with *rabi* irrigation	Tqs: B. Bagewadi, Indi, Sindgi Crops: Wheat and Onion
7	Cropping with biseasonal 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 present in Indi, Sindagi and Vijayapuratalukas and to some extent in Bagewadi and Muddebihaltalukas. 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 soils:	Medium deep black soils occur predominantly in Bagewadi, VijayapuraandSindagitalukas. 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	2, 34,113

		and B.Bagewaditalukas. 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.	
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 and predominantly put under kharif crops and under favorable seasonal conditions double cropping is practiced	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)
	Crop production			
1.	Maize (K)	40207	264071	3848
2.	Bajra	25751	66451	990
3.	Redgram	262563	173653	1012
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 (*Rabi*	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
	Fruit crops			
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)
	Vegetable crops			
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)
	Spice crops			
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)
	Plantation crops			
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
	Flower crops			
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)
	Medicinal and Aromatic plants			
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)

2.5. Weather data

Month	Rainfall (mm)	Rainy days (No)	Temperature ^{0} C		Relative Humidity (%)	
			Maximum	Minimum	AM (%)	PM(%)
January 2020	0.0	0	30.9	15.4	81	37
February 2020	0.0	0	32.4	16.6	69	31
March 2020	6.9	2	35.6	19.6	60	27
April, 2020	19.1	3	38.8	23.3	64	24
May, 2020	112.9	4	39.5	24.2	75	28
June, 2020	93.4	7	33.0	22.6	88	54
July, 2020	187.6	12	30.9	22.0	91	63
August, 2020	58.4	5	29.7	21.7	91	66
September, 2020	267.3	13	30.4	21.7	92	67
October, 2020	112.6	6	30.2	20.7	91	59
November, 2020	4.0	0	29.9	16.5	84	44
December, 2020	0.0	0	29.8	13.4	82	35
Total	862.2	52				

* AgroMeterolocial Station, RARS. Vijayapur

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

Category	Population	Production	Productivity
Cattle			
Crossbred	1203	1600 tons milk	4.34 lit/day /animal
Indigenous	278582	40,000 tons milk	1.52 lit/ day /animal
Buffalo	191438	59,000 tons milk	1. 60 it/ day /animal
Sheep			
Crossbred	336015	75 tones meat	18kg mutton /animal
Indigenous	451980	80 tones meat	16 kg chevon /animal
Goats			
Pigs	32	NA	6 kg/ animal
Crossbred	27114	NA	6 kg/ animal
Indigenous	600	NA	
Rabbits	346372	**-**	**-**
Poultry			
Hens	36400	86 lakh eggs	238 eggs/bird
Desi	-	-	-
Improved	-	-	-
Ducks			
Turkey and others			
Category	**Area**	**Production**	**Productivity**
Fish			
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

* Source: Cattle census report 2011-12

District profile maintained in the KVK has been **Updated** for 2019:**Yes** / No

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
1	Indi-Block	Indi	Bairunagi-Village .	01 year	• Sugarcane (Irri.)- 28 ha • Redgram (Rainfed. & irrigated)- 23 ha • Chickpea (Rainfed)- 12 ha. • Maize (K) Irrigated-20 ha. • Wheat (irrigated) —12 ha • Groundnut (Rainfed)-12 ha • Cotton-(irrigated) -25 ha • Onion -06 ha • Lime-27 ha • Grape -4.8 ha • Pomegranate - 08 ha • Chilli -2.4 ha • Watermelon -3 ha • Tomato - 2 ha	• Lack of Knowledge about storage practices • Low yield due to non-branching (10 %) • Malnutrition, lack of awareness about nutritious food, non-utilization of resources-Water, Space & organic waste • Lack of awareness on mushroom cultivation, Non utilization of wheat straw and nutritional insecurity • Wilt/ dry root rot and pod borer (60%) • Moisture stress (40%) • Mono-cropping (25 %) • Low yielding lodging varieties (45%) • Rust (10%) • Pod borer (30%) • Dry root rot/wilt (20-30%%) • Leaf reddening, pink bollworm and sucking pests incidence, lack of knowledge about foliar nutrition • Fall Army worm (50%) • No use of bio- fertilizers, • Delay maturity due to S deficiency, • Ca deficiency causes groundnut pegs and pods to abort and reduced yield • Micronutrient deficiency (20%), Canker (40%) • Gummosis and die back (10%) • Blight (30%) • Wilt (30%) • Fruit sucking moth (25-30%) • Low yielding private varieties (30%) • Non availability of season specific varieties • Rotting (15%), sucking pests (20%) • Non-application of sulphur • 15-20 % of storage losses • Flowering and fruit set is poor due to deficiency of micronutrients • Yield and quality of fruit is low • Low yield and inferior quality • Murda complex (35%)	Group meeting Training FLD & Field day

						• Powdery mildew infestation (10%) • Sucking pest (35%) • Flowering and fruit set is poor due to deficiency of Boron in cucurbitaceous, yield, quality of fruit is less. •	
				Livestock	• Livestock & poultry	• Scarcity of green fodder during summer • Lack of knowledge on silage preparation • Low egg laying capacity in local poultry • birds • Low quality fodder • Slow growth rate in growing goats • Low milk yield and reduced conception rate	Group meeting Training FLD & Field day
				Fisheries	• Fisheries	• Lack of knowledge on fish rearing in farm ponds • Low Yield, Problem of fish catching birds	
				Post-harvest, Nutrition Security, Drugery reducing tools and value addition	• Post-harvest, Nutrition Security,Drugery reducing tools and value addition	• Lack of knowledge on value addition (75%) • Unaware of new processing equipment's • Post-harvest losses, Low prevailing market price • Lack of Knowledge about storage practices • Low yield due to non-branching (10 %) • Malnutrition, lack of awareness about nutritious food, non-utilization of resources-Water, Space & organic waste • Lack of awareness on mushroom cultivation, Non utilization of wheat straw and nutritional insecurity	Group meeting Training FLD & Field day

2)	Sindagi-Block	Sindagi	Navadagi Village	01 year	• Redgram -320 ha • Wheat (Rainfed)- 40 ha • Chickpea (Rainfed)-240 ha. • Cotton – 300 ha • Maize (K) Irrigated-10 ha. • Groundnut (Rainfed)-160ha • Lime -20 ha • Pomegranate -12 ha • Onion -28 ha • Tomato –4 ha • Chilli –20 ha • Watermelon-8 ha • Livestock & poultry • Fisheries • Post-harvest and value addition	• Wilt/ dry root rot and pod borer (60%) • Moisture stress (40%) • Mono-cropping (25 %) • Low yielding lodging varieties (45%) • Rust (10%) • Pod borer (30%) • Dry root rot/wilt (20-30%%) • Leaf reddening, pink bollworm and sucking pests incidence, lack of knowledge about foliar nutrition • Fall Army worm (50%) • No use of bio- fertilizers, • Delay maturity due to S deficiency, • Ca deficiency causes groundnut pegs and pods to abort and reduced yield • Micronutrient deficiency (20%), Canker (40%) • Gummosis and die back (10%) • Blight (30%) • Wilt (30%) • Fruit sucking moth (25-30%) • Low yielding private varieties (30%) • Non availability of season specific varieties • Rotting (15%), sucking pests (20%) • Non-application of sulphur • 15-20 % of storage losses • Flowering and fruit set is poor due to deficiency of micronutrients • Yield and quality of fruit is low • Low yield and inferior quality • Murda complex (35%) • Powdery mildew infestation (10%) • Sucking pest (35%) • Flowering and fruit set is poor due to deficiency of Boron in cucurbitaceous, yield, quality of fruit is less.	Group meeting Training FLD & Field day
				01 year	Livestock	• Scarcity of green fodder during summer • Lack of knowledge on silage preparation • Low egg laying capacity in local poultry • birds • Low quality fodder • Slow growth rate in growing goats • Low milk yield and reduced conception rate • Lack of knowledge on fish rearing in farm ponds	Group meeting Training FLD & Field day

				01 year	Fisheries	• Lack of knowledge on fish rearing in farm ponds	Group meeting Training FLD
				01 year	Post-harvest and value addition	• Lack of knowledge on value addition (75%) • Unaware of new processing equipment's • Post-harvest losses, Low prevailing market price • Lack of Knowledge about storage practices • Low yield due to non-branching (10 %) • Malnutrition, lack of awareness about nutritious food, non-utilization of resources-Water, Space & organic waste • Lack of awareness on mushroom cultivation, Non utilization of wheat straw and nutritional insecurity	Group meeting Training FLD & Field day
3.	Chadchana block	Chadachana	Manankalagi Village	01 year	• Redgram -1155 ha • Maize (K) Irri- 580 ha. • Wheat (irrigated)- 575 ha • Chickpea (Irri.)- 1444 ha. • Groundnut (Rainfed)- 288 ha • Sugarcane (Irri.) - 150 ha • Lime-230 ha • Pomegranate -58 ha • Onion - 58 ha • Tomato – 144 ha • Watermelon- 28 ha • Chilli – 56 • Grape – 55	• Pod borer (45%) • SMD (30%) • Dry root rot (30 %) • Fall Army worm (75%) • Root grub (25%) • Micronutrient deficiency • Low yield (55%) • Rust (30%) • wilt (30%) • Pod borer (20%) • Dry root rot (30%) • No use of bio- fertilizers, • Delay maturity due to S deficiency, • Ca deficiency causes groundnut pegs and pods to abort and reduced yield • Planting material • Stem borer (16 %) • Wooly Aphid (33%) • Micro nutrient deficiency (10%) • Canker (40 %), Die back (10 %) • Wilt (10%), Sucking pests (25 %) • Blight (30%) • Wilt (30%) • Fruit sucking moth (25-30%) • Low yielding private varieties (30%) • Rotting (15%)	Group meeting Training FLD & Field day

						• Sucking pests (20%) • Non-application of sulphur • 15-20 % of storage losses • Flowering and fruit set is poor due to deficiency of micronutrients • Yield and quality of fruit is low • Flowering and fruit set is poor due to deficiency of Boron in cucurbitaceous, yield, quality of fruit is less. • Low yield and inferior quality • Murda complex (35%) • Powdery mildew infestation (10%) • Sucking pest (35%) • Powdery mildew (20%) • Stem borer (25%) Micro nutrient deficiency (10%)	
				01 year	Livestock & poultry	• Lack of knowledge on silage preparation • Low egg laying capacity in local poultry • birds • Not aware of improved variety of birds • Scarcity of fodder during summer • Low quality fodder • Slow growth rate in growing goats	FLD,OFT, Training Programmes, Method demonstrations, Field Visits, field days
				01 year	Fisheries	• Lack of knowledge on fish rearing in farm ponds Low Yield, Problem of fish catching birds	FLD,OFT, Training Programmes, Method demonstrations, Field Visits, field days
				01 year	Post-harvest and value addition	• Lack of knowledge on value addition (75%) • Unaware of new processing equipment's • Post-harvest losses, Low prevailing market price • Lack of Knowledge about storage practices	FLD,OFT, Training Programmes, Method demonstrations, Field Visits, field days

						• Low yield due to non-branching (10 %) • Malnutrition, lack of awareness about nutritious food, non-utilization of resources-Water, Space & organic waste • Lack of awareness on mushroom cultivation, Non utilization of wheat straw and nutritional insecurity	

2.9 Details of Benchmark Information collected from DFI villages

Sl.No.	Taluk	Name of the block	Name of the village	Name of the Head of Household	Annual Gross Income (Rs.)	Annual Expenditure (Rs.)	Annual Net Income (Rs.)
1	Sindagi	Sindagi	Navadagi	Respondents' Name	20550	10300	10250
2	Sindagi	Sindagi	Navadagi	Shivashran N Biradar	300000	250000	50000
3	Sindagi	Sindagi	Navadagi	Kallappa S Biaradar	6000	2900	3100
4	Sindagi	Sindagi	Navadagi	ShyamrayaMalakappa Biradar	12500	7500	5000
5	Sindagi	Sindagi	Navadagi	Dyamgonda Shantappa Habbusi	20000	12850	7150
6	Sindagi	Sindagi	Navadagi	Siddu Biradar	22000	7110	14890
7	Sindagi	Sindagi	Navadagi	Ninganna Shivayogi Biradar	175600	24400	151200
8	Sindagi	Sindagi	Navadagi	Chandrakant	7850	7200	650
9	Sindagi	Sindagi	Navadagi	Siddarama S Biradar	51999	28000	23999
10	Sindagi	Sindagi	Navadagi	Revappa Shrimantaraya Biradar	24800	17500	7300
11	Sindagi	Sindagi	Navadagi	GrurappaBiradr	12100	5650	6450
12	Sindagi	Sindagi	Navadagi	IrannaHonanappa Modi	9166	4550	4616

13	Sindagi	Sindagi	Navadagi	BhimaryaSharanppa Biradar	80596	42000	38596
14	Sindagi	Sindagi	Navadagi	Shivaleela Dayanand Hiremath	11700	6000	5700
15	Sindagi	Sindagi	Navadagi	SiddarayammyShivalingayya Hiremath	28470	18600	9870
16	Sindagi	Sindagi	Navadagi	Vithal Sharanbasappa Biradar	7383	4430	2953
17	Sindagi	Sindagi	Navadagi	PundappaShivyogappa Biradar	11600	5500	6100
18	Sindagi	Sindagi	Navadagi	AnnarayaMadivalappa Biradar	9300	4400	4900
19	Sindagi	Sindagi	Navadagi	Sarojini B Biradar	24800	13300	11500
20	Sindagi	Sindagi	Navadagi	Bhaganna	11400	5500	5900
21	Sindagi	Sindagi	Navadagi	Chandrashekar	18341	8100	10241
22	Sindagi	Sindagi	Navadagi	Madiwalappa N Biradar	54833	30800	24033
23	Sindagi	Sindagi	Navadagi	Ninganna S Biradar	16466	8600	7866
24	Sindagi	Sindagi	Navadagi	Balagonda	32399	25800	6599
25	Sindagi	Sindagi	Navadagi	Mallappa S Birdar	7000	3500	3500
26	Sindagi	Sindagi	Navadagi	Bhagvantraya S Biradar	14000	7300	6700
27	Sindagi	Sindagi	Navadagi	Vithal S Biradar	47200	21400	25800
28	Sindagi	Sindagi	Navadagi	Rudregrowa C Biradar	24250	14000	10250
29	Sindagi	Sindagi	Navadagi	Srishail Y Biradar	15600	7650	7950
30	Sindagi	Sindagi	Navadagi	Bhimashya R Harijan	30000	9916	20084

31	Sindagi	Sindagi	Navadagi	Srishail	16600	7400	9200
32	Sindagi	Sindagi	Navadagi	Shivanand HonnappaMotagi	30175	17000	13175
33	Sindagi	Sindagi	Navadagi	Suryakant S Patil	16025	8700	7325
34	Sindagi	Sindagi	Navadagi	Aravind C Patil	32200	19900	12300
35	Sindagi	Sindagi	Navadagi	Satish R Biradar	22700	14650	8050
36	Sindagi	Sindagi	Navadagi	Shantappa M Biradar	49100	23200	25900
37	Sindagi	Sindagi	Navadagi	Honnappa	65750	40000	25750
38	Sindagi	Sindagi	Navadagi	Kashinath S	27950	16300	11650
39	Sindagi	Sindagi	Navadagi	Mallappa S Biradar	15860	10500	5360
40	Sindagi	Sindagi	Navadagi	Chindanand S Hiremath	14700	9600	5100
41	Sindagi	Sindagi	Navadagi	Shankargoudabiradar	102100	43100	59000
42	Sindagi	Sindagi	Navadagi	Bhimaraya G Chimmlagi	18390	12250	6140
43	Sindagi	Sindagi	Navadagi	Honnappa K Biradar	23300	13150	10150
44	Sindagi	Sindagi	Navadagi	Yamangouda	31000	16500	14500
45	Sindagi	Sindagi	Navadagi	Shyamraya A Biradar	22200	9980	12220
46	Sindagi	Sindagi	Navadagi	Hanumantraya S Biradar	24800	9150	15650
47	Sindagi	Sindagi	Navadagi	Basappa Biradar	24620	11050	13570
48	Sindagi	Sindagi	Navadagi	Gurushantayya Hiremath	27675	12900	14775
49	Sindagi	Sindagi	Navadagi	Honnappa	30700	11150	19550

50	Sindagi	Sindagi	Navadagi	Kashinath	19900	10300	9600
51	Indi	Indi	Bhairunagi	DanayyaAnnayyaHirepura	32900	17700	15200
52	Indi	Indi	Bhairunagi	vittal Hanumanth	26700	16000	10700
53	Indi	Indi	Bhairunagi	siddannaSharanappaKallur	16000	10000	6000
54	Indi	Indi	Bhairunagi	santhosh Mallikarjun Biradar	35000	18200	16800
55	Indi	Indi	Bhairunagi	bairappa pujari	23750	10200	13550
56	Indi	Indi	Bhairunagi	nabisahabAslamsahab Sheikh	10000	8000	2000
57	Indi	Indi	Bhairunagi	siddaraya Gowda Y Patil	23000	15000	8000
58	Indi	Indi	Bhairunagi	Raju Waliker	39500	23500	16000
59	Indi	Indi	Bhairunagi	malkangowda T biradar	75500	50000	25500
60	Indi	Indi	Bhairunagi	yallappa	16200	12500	3700
61	Indi	Indi	Bhairunagi	Gopal Bavajakalam Kadam	14825	11700	3125
62	Indi	Indi	Bhairunagi	Beerappa	12600	8500	4100
63	Indi	Indi	Bhairunagi	Appasab	37500	26200	11300
64	Indi	Indi	Bhairunagi	TippannaBidari	23200	20500	2700
65	Indi	Indi	Bhairunagi	arjun	14000	11000	3000
66	Indi	Indi	Bhairunagi	Amsidda	24000	15600	8400
67	Indi	Indi	Bhairunagi	Annaraya	32800	24000	8800
68	Indi	Indi	Bhairunagi	Battayya Hiremath	22200	14500	7700

69	Indi	Indi	Bhairunagi	Shivananda L Boble	41800	32000	9800
70	Indi	Indi	Bhairunagi	mallikarjunSiddanna Gowda Patil	21200	14700	6500
71	Indi	Indi	Bhairunagi	BirappaYallappa	33800	24500	9300
72	Indi	Indi	Bhairunagi	Gangabai Talwar	30700	20800	9900
73	Indi	Indi	Bhairunagi	jayavantaPidambar Jadhav	65000	40850	24150
74	Indi	Indi	Bhairunagi	Viroba Kumbar	48600	33500	15100
75	Indi	Indi	Bhairunagi	Sunil Basavaraj Bhairshetty	58500	43000	15500
76	Indi	Indi	Bhairunagi	Pundlik Chandappa Pujari	42500	32000	10500
77	Indi	Indi	Bhairunagi	shreeshylGurulingappa Biradar	21800	14700	7100
78	Indi	Indi	Bhairunagi	Shivashankar Siddegowda Biradar	22800	16500	6300
79	Indi	Indi	Bhairunagi	hanumanthningappatalavar	10100	11500	-1400
80	Indi	Indi	Bhairunagi	Amoghasidda Hanumanta	20800	15500	5300
81	Indi	Indi	Bhairunagi	Anand Navi	21000	15900	5100
82	Indi	Indi	Bhairunagi	somayya Hiremath	20100	13000	7100
83	Indi	Indi	Bhairunagi	Eranna ApparayaBhairshetty	34700	29000	5700
84	Indi	Indi	Bhairunagi	Kallappa	24000	17000	7000
85	Indi	Indi	Bhairunagi	Basavaraj Nagappa Bidari	21700	18000	3700
86	Indi	Indi	Bhairunagi	Ravaganda S Biradar	12400	12500	-100
87	Indi	Indi	Bhairunagi	Shreeshyl S Biradar	22000	16000	6000

88	Indi	Indi	Bhairunagi	Shivarudra S Biradar	24500	16000	8500
89	Indi	Indi	Bhairunagi	ambannatalavar	42300	35000	7300
90	Indi	Indi	Bhairunagi	ushaGurushantaBommanavaru	8250	7500	750
91	Indi	Indi	Bhairunagi	GurushantaBommanawara	19500	13500	6000
92	Indi	Indi	Bhairunagi	Basavaraj J Nimbal	192100	131000	61100
93	Indi	Indi	Bhairunagi	apparaya d Patil	83400	46000	37400
94	Indi	Indi	Bhairunagi	Somaraya Pujari	54500	38500	16000
95	Indi	Indi	Bhairunagi	BirappaBidari	23000	16500	6500
96	Indi	Indi	Bhairunagi	sadashiv G Patil	36800	26000	10800
97	Indi	Indi	Bhairunagi	shivkumar Bhosle	75800	43000	32800
98	Indi	Indi	Bhairunagi	balachandrappamallappa	104200	89500	14700
99	Indi	Indi	Bhairunagi	Vittal Pujari	43830	21500	22330
100	Indi	Indi	Bhairunagi	Shivaji C Devanur	64000	40000	24000
101	Indi	Chadachana	Manankalagi	Respondents' Name	20550	10300	10250
102	Indi	Chadachana	Manankalagi	Pandit I Metri	3000	3200	200
103	Indi	Chadachana	Manankalagi	Abdul Abbas Ali	27175	12900	14275
104	Indi	Chadachana	Manankalagi	Paramanand Koli	8000	7300	700
105	Indi	Chadachana	Manankalagi	Parshuram S	29880	17990	11890
106	Indi	Chadachana	Manankalagi	Kashiram R	79076	38000	41076

107	Indi	Chadachana	Manankalagi	TammarajShivanna Koli	106780	49500	57280
108	Indi	Chadachana	Manankalagi	Srishailelagi	20850	16500	4350
109	Indi	Chadachana	Manankalagi	Aravinda M Karajagi	20000	15500	4500
110	Indi	Chadachana	Manankalagi	Shankar Devarya Jadagi	60325	16150	44175
111	Indi	Chadachana	Manankalagi	Mallikarjun Elagi	16110	5900	10210
112	Indi	Chadachana	Manankalagi	Hanumant Metri	12500	6840	5660
113	Indi	Chadachana	Manankalagi	Imamsab Baluba Walikar	12450	7240	5210
114	Indi	Chadachana	Manankalagi	Dundappa	29300	10880	18420
115	Indi	Chadachana	Manankalagi	Dyamgonda	21200	11100	10100
116	Indi	Chadachana	Manankalagi	Sanotsh S Metri	26800	9240	17560
117	Indi	Chadachana	Manankalagi	Gurusiddayya D Math	90000	50800	39200
118	Indi	Chadachana	Manankalagi	Shantappa Jadagi	17000	9810	7190
119	Indi	Chadachana	Manankalagi	Shivakumar Shrimant jadagi	10075	8080	1995
120	Indi	Chadachana	Manankalagi	Dyamagond Revappa Talavar	11550	7000	4550
121	Indi	Chadachana	Manankalagi	Dyamgonda	116100	64150	51950
122	Indi	Chadachana	Manankalagi	RudrappaYallappaHarjan	18000	13000	5000
123	Indi	Chadachana	Manankalagi	Shreemanta D Jadgi	18000	14000	4000
124	Indi	Chadachana	Manankalagi	Kamalabai Mallikarjun Karajagi	13300	9000	4300
125	Indi	Chadachana	Manankalagi	Appasab Shivraj Yadavad	15300	10000	5300

126	Indi	Chadachana	Manankalagi	SukhdevaYallappa	13200	12000	1200
127	Indi	Chadachana	Manankalagi	Jyothi Chandrakanth Koli	121500	92000	29500
128	Indi	Chadachana	Manankalagi	Dharappa Siddappa Koli	21600	21500	100
129	Indi	Chadachana	Manankalagi	SiddaramErappa	17700	12500	5200
130	Indi	Chadachana	Manankalagi	Avinash Prakash	34800	29500	5300
131	Indi	Chadachana	Manankalagi	mahadevsiddarambiradar	33000	28500	4500
132	Indi	Chadachana	Manankalagi	Gourabai Y Elagi	19500	12680	6820
133	Indi	Chadachana	Manankalagi	Md. Ali HussainsabTaddewadi	22500	15500	7000
134	Indi	Chadachana	Manankalagi	laxman K Belli	38450	31500	6950
135	Indi	Chadachana	Manankalagi	Mehaboob NabisabWalikar	36960	28270	8690
136	Indi	Chadachana	Manankalagi	Sanjeev Belli	13700	11150	2550
137	Indi	Chadachana	Manankalagi	HasansabWalikar	16900	10650	6250
138	Indi	Chadachana	Manankalagi	Dyamgonda	54830	33300	21530
139	Indi	Chadachana	Manankalagi	Saifan Lalsab Nadaf	13050	11050	2000
140	Indi	Chadachana	Manankalagi	Vijayakumar	7510	6260	1250
141	Indi	Chadachana	Manankalagi	Mahadeva D J	16450	7660	8790
142	Indi	Chadachana	Manankalagi	Nagappa D Koli	3750	2400	1350
143	Indi	Chadachana	Manankalagi	Malappa Koli	5600	2600	3000
144	Indi	Chadachana	Manankalagi	Appasaheb H Biradar	133500	70900	62600

145	Indi	Chadachana	Manankalagi	Tammaraya C Koli	8500	7870	630
146	Indi	Chadachana	Manankalagi	Hanamntraya S Patil	8900	6300	2600
147	Indi	Chadachana	Manankalagi	Parameshwar N Patil	14600	5970	8630
148	Indi	Chadachana	Manankalagi	Godappa S Honnali	16500	4170	12330
149	Indi	Chadachana	Manankalagi	Iranna D Samagar	15300	6670	8630
150	Indi	Chadachana	Manankalagi	Paigambar B Walikar	6800	5400	1400

2.10 Priority thrust areas

S. No	Thrust area
1.	• **Onion:**Non-application of sulphur.15-20 % of storage losses
2.	• **Bhendi:** Inferior quality of fruitsYVMV incidence and Low yield (7.93 t/ha.)
3.	• **Chickpea**: Low yield due to non-branching (10 %)
4.	• **Pomegranate:** Wilt incidence
5.	• **Chickpea:** Incidence of wilt and dry root rot
6.	• **Ajwain: Non avliablity of new varities**
7.	• **Wheat** :Non availability of high yielding varieties public varieties, lodging, Rust and leaf blight
8.	• **Dicoccum wheat**: Low yielding varieties, lodging, leaf blight and rust
9.	• **Tomato:**Flowering and fruit set is poor due to deficiency of micronutrients
10.	• **Cotton**: Leaf reddening, pink boll worm, sucking pest& lack of knowledge about foliar nutrition
11.	• **Watermelon**: Flowering and fruit set is poor due to deficiency of Boron in cucurbitaceous, yield, quality of fruit is less.
12.	• **Fodder:** Scarcity of quality fodder during summer, low milk yield, lack of knowledge on new varieties
13.	• **Fish::** Lack of knowledge on fish rearing, poor weight gain, high mortality, Bird menace
14.	• **Silo bags:**Scarcity of quality fodder during summer, Scarcity of green fodder, low milk yield, lack of knowledge on silage preparation
15.	• **Onion:**Non availability of improved variety, Low yield due to local varieties, purple blotch, thrips incidence and rotting
16.	• **Lime:** Micro nutrient deficiency, low yield during summer, incidence of mite, canker, gummosis & wilt
17.	• **Pigeonpea:** Pigeon peavarieties andLow yield due to less branching
18.	• **Foxtail Millet:**Low income realization due to lack of knowledge on processing, value addition, labeling, packaging and branding
19.	• **Pomegranate:** Fruit suck moth management
20.	• **Maize:** Fall army worm, Non application of micronutrients
21.	• **Chilli:** Low yield, inferior quality, local variety / private hybrids, pest and disease incidence, • Thrips and mites infestation, High incidence of murda complex with Low yield and inferior quality was observed**.**
22.	• **Groundnut:** Lack of awareness application of sulphur in Groundnut

PART III - TECHNICAL ACHIEVEMENTS (2019)

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
06	06	19	19	21	21	134	134

Training				Extension Programmes			
3				4			
Courses (No.)		Participants (No.)		Programmes (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
38	45	1115	1325	320	293	5000	4705

Seed Production (Q)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
60	50	1500	1280

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
-	-	1000	575

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	
1	ICM	Okra	Inferior quality of fruits, YVMV incidence and Low yield	Assessment of Bhendi hybrids for adoptability in Vijayapura District	-	01	01		Field visit: 04	Seeds -10kg Vegetable special 10kg			No.	Kg
2		Ajwain	Delay in monsoon (Failure of *kharif* rainfall condition)	Assessment of Ajwain varieties	-				Field visit: 03	Seeds -10kg				
3	IDM	Pomegranate	wilt	Wilt management in Pomegranate	-	01			Field visit: 04	Propiconazole 200 ml Chloropyriphos 1 litre /demo			Arka microbial consortia *Trichoderma* *Pseudomonas* *Paecilomyces*	5 kg/demo 4 kg each
4	IPDM	Pomegranate	Disease and pest management		IPDM in pomegranate	01	01		Field visit: 02	COC-600 gm Antibiotics 100g Nutrients (Zn, Mg, Ca, B) -200 gm Paecliomyca slilacinus 100 ml Imidachlorpid 17.8 SL			Pseudomonas florescence	3 kg

5	IDM	Chickpea	Dry root rot and poor yield	Assessment of chickpea varieties for wilt and dry root rot	-	01		01	Field visit: 06	JG11-10Kg BGD103-10 Kg NBeG-10 Kg 5 Demos				
5	Solar operated nipping (young tip/shoot collector	Chickpea	Low yield due to non-branching (10 %)	Assessment of Nipping tools in Chickpea	-	01	-	-	Field visit: 02	Nipping machine (young tip/shoot collector)	-	-	-	
6	ICM	Onion	• Non-application of sulphur • 15-20 % of storage losses	Assessment of sulphur application in onion		01			Field visit: 10				-Sulphur	-12.5
7	ICM	Tomato	• • Lack of knowledge of bio-fertilizers use, • Double the	--	Application of Liquid Arka Microbial Consortium in Tomato Cultivation	01	-	-	Field visit: : 08	**Seeds (Arka samrat) 40 g per acre**			Azotabactor PSB Liquid AMC Vegetable special	1kg 2 kg 3 litre 3 kg

			dose use of inorganic fertilizers. • Flowering and fruit set is poor due to deficiency of micronutrients • Yield and quality of fruit is low										PSB	2 kg
8		Chilli	Low yield, inferior quality, private hybrid, incidence of Murda complex		Chilli hybrid Arka Khyati	01			Field visit: : 05 Field day : 01	Seeds-250g Vegetable special -5kg				
9	ICM	Onion	Non availability of improved variety and Low yield due to local and private varieties		Onion variety Bhima Super during Kharif	01		-	Field visit: 06	20 kg seeds				
10	ICM	Onion	Non availability of season specific variety, Low yield and thrips incidence.		Onion variety Bhima Shakti during Rabi	01		-	Field visit: 05	10 kg seeds				

11	ICM	Lime	Flower regulation and Micronutrient, pest and disease management		ICM in Lime	01	-	01	Field visit: 06	60 kg citrus special Lihocin - 10lit				
12	IDM	Pomegranate	Bacterial blight, wilt and thrips incidence		IPDM in Pomegranate	01	-	01	Field visit: 05	-				
13	IDM	Chilli	High incidence of murda complex with low yield and inferior quality		Management of Chilli Murda Complex	02 (on and off campus)			Field Visit 10 Field day: 1					
14	IPM	Pomegranate	Fruit sucking moth , improper management		Management of fruit sucking moth in pomegranate	01			Field Visit :6	Sanitation, Light traps (1 solar light trap/acre) + Melathion 2 g/trap + molasses, neem based insecticide and need based insecticide				

15	IPM	Maize	Incidence of fall army worm, low yield		Management of FAW in Maize	02 (on and off campus)			Field Visit 10 Field day: 1	Sleeve Traps @ 12 no. per acre. Spray of Emamectin benzoate 5 EC @ 0.25 g/l of water, chlorantrinili prol 0.2 ml per litre water spray , use of poison bait				
16	INM	Groundnut	•Lack of use of bio-fertilisers, •Delay maturity due to S deficiency, •Ca deficiency causes groundnut pegs and pods to abort and reduced yield		Sulphur Management in Groundnut (G2-52 variety)	01	-	-	Field visit: 4	G2-52 60 kg pods	-	-	Bio cultures (Rhizobium, PSB and Trichoderma) Ferrous sulphate Zinc sulphate	-1 kg each 10 kg 10 kg
17	INM	Watermelon	Flowering and fruit set is poor due to deficiency of Boron in melons, yield, quality of fruit is less.		Management of boron deficiency in watermelon	-	-	-	Field visit: 4	-	-	-	**-Boric acid (17% B)Salicylic acid Sticky traps Fipronil**	**60 g 100 g 8 nos 500ml**

18	INM	Groundnut	• Lack of use of bio-fertilisers, • Delay maturity due to S deficiency, • Ca deficiency causes groundnut pegs and pods to abort and reduced yield		Sulphur Management in Groundnut (G2-52 variety)	01	-	-	Field visit: 4	G2-52 60 kg pods	-	-	Bio cultures (Rhizobium, PSB and Trichoderma) Ferrous sulphate Zinc sulphate	-1 kg each 10 kg 10 kg
19	INM	Watermelon	Flowering and fruit set is poor due to deficiency of Boron in melons, yield, quality of fruit is less.		Management of boron deficiency in watermelon	-	-	-	Field visit: 4	-	-	-	**-Boric acid (17% B)Salicylic acid Sticky traps Fipronil**	**60 g 100 g 8 nos 500ml**
20	Feed and Fodder management	Livestock	Low milk yield, lack of balanced green fodder		Perennial supply of green fodder model	01	-	-	Field Visit 04	Co-5 stem cuttings, Lucerne, CoFs-31	-	-	-	-
21	Feed and Fodder management	Silage	Low milk yield, Scarcity of fodder during summer, Lack of knowledge on silage		Demonstration on preservation of green fodder in the form of silage using silo bag	01			Field Visit 02	Silo bags				

22	Value addition	Foxtail Millet	Low income realization due to lack of knowledge on processing, value addition, labeling, packaging and branding	-	Foxtail millet variety DHFt-109-3 processing and value addition for health mix	01	01		Field Visits 04 Field day 01	Seeds andPackaging materials	-	-	-	-
23	Drudgery Reduction	Pigeonpea	Low yield due to less branching	-	Demonstration of solar opearated Nipping machine in Pigeonpea	01	-	-	Field Visits 02	Nipping machine	-	-	-	-
24	Fishery	Composite fish farming	Lack of knowledge on fish rearing, poor weight gain, high mortality, Bird menace		Composite fish farming in storage ponds	01			Field Visit 06	Fish fingerlings 1000 no. Catla: Rohu common carps 2:1:2				
25	Varietal Introduction	Pigeonpea	Low yielding varieties, wilt and dry root rot susceptible variety and incidence of pod borer and podfly		Introduction of GRG-811 in Pigeonpea	01	01		Field Visit 06 Field day 01	5 Kg			Biofertilizer	1 Kg

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 Ajwain varieties	NRCSS, Ajmer, Rajasthan	Ajwain	OFT	-	-	Field visits
2.	Assessment of Bhendi hybrids for adoptability in Vijayapura district	IIHR, Bengaluru	Bhendi	OFT		01	Training
3.	Assessment of Sulphur application in onion	DOGR, Pune and NHRDF, Nasik	Onion	OFT	-	01	Training
4.	Assessment of high yielding varieties of Groundnut during summer	UASD,UASR, UAS B	Groundnut	OFT	-	01	Field visits
5.	Assessment of chickpea varieties for wilt and dry root rot	UAS, Dharwad UAS, Raichur ANGRAU, Guntur	Chickpea	OFT	-	01	Field visits
6.	Wilt management in Pomegranate	IIHR, Bengaluru NRC, Pomegr	Pomegranate	OFT		01	Field visits
7.	Wheat variety UAS-334	UAS, Dharwad	Wheat	-	FLD	1	Training
8.	ICM in Dicoccum Wheat and value addition	UAS, Dharwad	Dicoccum Wheat	-	FLD	1	Training
9.	Sulphur Management in Groundnut (G2-52 variety)	UAS, Dharwad	Ground nut	-	FLD	1	Training
10.	Management of boron deficiency in watermelon	IIHR, Bengaluru	Watermelon	-	FLD	1	Training and Field day
11.	Application of Liquid Arka Microbial Consortium in Tomato Cultivation	IIHR, Bengaluru	Tomato		FLD	0	--
12.	Onion variety Bhima Shakti during Rabi	DOGR, Rajgurunagar	Onion	-	FLD	0	Training
13.	ICM in Lime	UAS, Dharwad	Lime	-	FLD	1	Field Day/ Training
14.	Perennial green fodder supply model : as a model	IGFRI, Dharwad TNAU, Coimbatore	Fodder	-	FLD	1	Field Day
15.	Chilli hybrid ArkaKyathi	IIHR, Bengaluru	Chilli	-	FLD	1	Field Day
16.	Onion variety Bhima Super during Kharif	DOGR, Rajgurunagar	Onion	-	FLD	0	Training
17.	Management of leaf reddening and pink bollworm cotton	UAS, Dharwad	Cotton		FLD	1	Field day
18.	Foxtail millet variety DHFt-109-3processing and value addition for health mix	UAS, Dharwad	Foxtail millet	-	FLD	1	Training
19.	Demonstration of solar opearated Nipping machine in Pigeonpea	UAS Raichur	Pigeonpea	-	FLD	1	Training

20.	Promotion of Sustainable nutrition for farm women through Nutri-farms	UHSB	Kitchen garden kit	-	FLD	03	Training
21.	Management of Chilli Murda Complex	UHS Bagalkot	Chilli		FLD	02	Field Day/ Training (on and off campus), Field visits
22.	Management of fruit sucking moth in pomegranate	UAS Raichur, UHS Bagalkot	Pomegranate		FLD	01	Training
23.	Management of FAW in Maize	UAS, Dharwad	Maize		FLD	02	Field Day/ Training (on and off campus), Field visits
24.	Demonstration on preservation of green fodder in the form of silage using silo bags	KVAFSU, Bidar	Fodder (Silage)	-	FLD	1	Training
25.	Composite fish farming in storage ponds	KVAFSU, Bidar	Fishes	-	FLD	1	Training
26.	Introduction of GRG-811 in Pigeonpea	UAS Raichur	Pigeonpea	-	FLD	01	Field Day/ Training

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**
1.	05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.	05	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0
3.	05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.	04	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	05	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
6.	00	0	0	0	4	2	0	0	25	3	0	0	0	0	2	1
7.	00	0	00	0	4	0	2	0	15	02	10	02	0	0	0	0
8.	0	0	0	0	8	1	1	0	18	0	0	0	0	0	0	0
9.	0	0	0	0	04	0	01	0	25	04	2	0	0	0	0	0
10.	0	0	0	0	3	0	2	0	25	0	5	0	0	0	0	0
11.	0	0	0	0	05	0	0	0	30	0	0	0	65	0	0	0
12.	0	0	0	0	05	0	0	0	0	0	0	0	0	0	0	0
13.	0	0	0	0	04	0	01	0	20	02	05	02	0	0	0	0
14.	0	0	0	0	05	0	00	0	18	04	02	01	0	0	0	0
15.	0	0	0	0	09	0	01	0	0	0	0	0	25	0	0	0
16.	0	0	0	0	04	0	0	0	29	0	0	0	0	0	0	0
17.	0	0	0	0	04	0	0	0	21	0	0	0	0	0	0	0
18.	0	0	0	0	09	0	01	0	18	0	0	0	42	0	0	0
19.	0	0	0	0	05	0	03	0	18	0	0	0	42	0	0	0
20.	0	0	0	0	04	0	01	0	0	0	0	0	24	0	0	0
21.	0	0	0	0	05	0	0	0	0	0	0	0	26	0	0	0

22.	0	0	0	0	09	0	01	0	27	0	4	0	1	1	0	1
23.	0	0	0	0	4	0	1	0	20	4	04	02	1	2	1	1
24.	0	0	0	0	4	0	1	0	12	4	2	1	1	2	1	1
25.	0	0	0	0	4	0	1	0	18	2	1	2	1	1	1	1

PART IV - On Farm Trial(2020)

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management	01	01	01	-	02	-				05
Varietal Evaluation	-	-	-	-	01	-				01
Integrated Pest Management	-	-	-	-	-	-				
Integrated Crop Management	-	-	-	-	-	-				
Integrated Disease Management	-	-	-	-	-	-				
Small Scale Income Generation Enterprises	-	-	-	-	-	-				
Weed Management	-	-	-	-	-	-				
Resource Conservation Technology	-	-	-	-	-	-				
Farm Machineries	-	-	-	-	-	-				
Integrated Farming System	-	-	-	-	-	-				
Seed / Plant production	-	-	-	-	-	1				
Value addition	-	-	-	-	-	-				
Drudgery Reduction	-	-	-	-	-	-				
Storage Technique	-	-	-	-	-	-				
Mushroom cultivation	-	-	-	-	-	-				
Total	01	01	01	-	03	1				06

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management										
Varietal Evaluation										
Integrated Pest Management										
Integrated Crop Management										
Integrated Disease Management										
Small Scale Income Generation Enterprises										
Weed Management										
Resource Conservation Technology										
Farm Machineries										
Integrated Farming System										
Seed / Plant production										
Value addition										
Drudgery Reduction										
Storage Technique										
Mushroom cultivation										
Total										

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

Thematic areas	Cattle	Poultry	Piggery	Rabbit	Fisheries	TOTAL
Evaluation of Breeds						
Nutrition Management						
Disease of Management						
Value Addition						
Production and Management						
Feed and Fodder						01
Small Scale income generating enterprises						
TOTAL						01

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

Thematic areas	Cattle	Poultry	Piggery	Rabbit	Fisheries	TOTAL
Evaluation of Breeds						
Nutrition Management						
Disease of Management						
Value Addition						
Production and Management						
Feed and Fodder	01					
Small Scale income generating enterprises						01
TOTAL	**01**					**01**

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 Technological Options in a farm)
Integrated Nutrient Management	Onion	Assessment of sulphur application in onion	03	03	1.2 ha
Varietal Evaluation	Groundnut	Assessment of high yielding varieties of Groundnut during summer	03	03	1.2 ha
	Ajwain	Assessment of Ajwain varieties	05	05	2.0 ha
Integrated Pest Management					
Integrated Crop Management					
Integrated Disease Management	Pomegranate	Wilt management in Pomegranate	04	04	1.5
	Chickpea	Assessment of chickpea varieties for wilt and dry root rot	05	05	1.8
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Farm Machineries					
Integrated Farming System					
Seed / Plant production					
Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Total			**20**	**20**	**7.70**

4.B.2. Technologies Refined under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trial covering all Technological Options in a farm)
Integrated Nutrient Management					
Varietal Evaluation					
Integrated Pest Management					
Integrated Crop Management					
Integrated Disease Management					
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Farm Machineries					
Integrated Farming System					
Seed / Plant production					
Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Total					

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	-	-	-	-
Disease management	-	-	-	-
Value addition	-	-	-	-
Production and management	-	-	-	-
Feed and fodder				
Small scale income generating enterprises	-	-	-	-
Total				

4.B.4. Technologies Refined 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				
Disease management				
Value addition				
Production and management				
Feed and fodder	Cattle and goats	Perennial supply of fodder	08	08
Small scale income generating enterprises				
Total				

4.C1.Results of Technologies Assessed

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
Ajwain (Late Kharif)	Irrigated	Delay in monsoon (Failure of *kharif* rainfall condition)	Assessment of Ajwain varieties	05	T.O.1 (Local): Kadapa		8.4	q/ha	Days to 50% Flowering,Yield and economics	83,795	2.99	
					TO.2: AA-1	NRCSS, Ajmer, Rajasthan	10.61	q/ha		1,19,724	3.89	
					TO.3: AA-93	NRCSS, Ajmer, Rajasthan	9.72	q/ha		1,03,936	3.48	
Pomegranate	Irrigated	Wilt	Wilt management in Pomegranate	04	TO1 :FP: Chloropyriphos 2 ml/lit TO2: RP: Chloropyriphos 4ml/lit Carbendazim 2g/lit TO3: AP1: Arka microbial consortia TO4: AP2: *Trichoderma* 20g *Pseudomonas* 20g *Paecilomycis*20g Propiconazole 1ml/lit Chloropyriphos 4ml/lit	UHS, Bagalkot, IIHR, Bengaluru NRC, Pomegranate Solapur	11.64 14.00 16.0 17.67	t/ha	**No. of rotted fruits per plant / no. of shot hole borers / Wilt (%)** **37.67 / 4.0 / 24.54** **29.34 / 2.33 / 20.38** **25.66 / 2.00 / 14.76** **23.00 / 1.33 / 13.31**	4,42,780/ ha 5,52,332 6,64,500 7,43,006	3.72 4.14 4.97 5.23	

Chickpea	Irrigated	dry root rot and low yield	Assessment of chickpea varieties for wilt and dry root rot	05	TO1= JG-11 — 10 kg TO2=BGD 103 — 10 kg TO3=NBeG-47 — 10 kg	UAS-Raichur, UAS-Dharwad , ANGRAU Guntur	**11.06** **13.80** **14.50**	q/ha	**Days to maturity / Pods /plant / % dry root rot** **95 / 39.34 / 10.00** **96 / 41.67 / 8.89** **95 / 43.34 / 7.78**	**18,740** **28,450** **31,665**	**1.73** **2.06** **2.20**	
Onion	Irrigated	• Non-application of sulphur • 15-20 % of storage losses	Assessment of sulphur application in onion	05	T.O.1 :Farmers practice	-	13.8	t/ha	Soil test before and after application (including sulphur), fresh weight of onion (g), dry weight of onion (g) , bulb diameter (cm), yield (q/ha), shelf life (days) and B:C ratio	2,94,387	6.05	
					TO.2: NPKS : 110:40:60:20 kg / ha and *Azospirillum* and PSB @ 5 kg each/ha	DOGR, Pune	14.6	t/ha	-do-	3,48,483	6.83	
					TO.3: NPKS : 100:50:50:30 kg/ha and *Azotabactor* and PSB @ 5 kg each/ha	NHRDF, Nasik	15.5	t/ha	-do-	4,04,035	7.63	

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

OFT 1: Assessment of fodder variety

1. Title of Technology Assessed :

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

4.D1. Results of Technologies Refined

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	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
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 (2019)

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	Oilseeds	Irrigated	Summer	Summer groundnut	G2-52		Sulphur Management in Groundnut (G2-52 variety)	Seed treatment with biocultures, Preemergence herbicide (Pendimethaline). Zinc sulphate and ferrous sulphate @ 25 kg/ha each, gypsum application @ 500 kg/ha, hostathion for leaf minor.	2.4	2.4	2	4	2	4
2	Pulses		Kharif	Pigeon pea	TS-3R		Production and management	Demonstration of solar opearated Nipping machine in Pigeonpea	4.0	4.0	2	4	3	1
			Rabi	Chickpea	JG-11		Production and management	Assessment of solar operated nipping (young tip/shoot collecting) machine for Chickpea	2.0	2.0	1	3	1	-
3	Cereals													
		Irrigated	*Kharif*	Maize	-	-	Management of fall army worm in maize	Sleeve Traps @ 12 no. per acre. Spray of Emamectin benzoate 5 EC @ 0.25 g/l of water, chlorantriniliprol 0.2 ml per litre water spray , use of poison bait	4.80	4.80	-	10	2	8
		Irrigated	Rabi	Wheat										
		Irrigated	Rabi	Wheat										
4	Millets	Millets	Rainfed	Kharif	Foxtail Millet	DHFt-109-3	-	lack of awarenessonprocessing,value addition, labeling, packaging and brandin	Foxtail millet variety DHFt-109-3, processing and	2.0	2.0	1	3	1

								value addition for health mix						
5	Vegetables	Irrigated	Kharif	Chilli	Arka Khyati	-	ICM	Demonstration of chilli Hybrid "Arka Khyati"	2ha	2ha	1	4	5	0
		Irrigated	Kharif	Onion	Bhīma Super	-	ICM	Demonstration of *Kharif* onion variety "Bhīma Super" for higher yield & income	2.4 ha	2.4	2	08	10	0
		Irrigated	Rabi	Onion	Bhīma Shakti	-	ICM	Demonstration of Bhīma Shakti for *rabi* season	2.4 ha	2.4 ha		5	5	0
		Irrigated	Rabi	Ridge gourd	Arka Vikram		ICM	Introduction of Ridge gourd variety Arka Vikram	0.9 ha	0.9		09	09	
		Irrigated	*Kharif*	Chilli	Pusa jwala	-	IDM	Management of chillimurda complex	2.40	2.40		4	0	4
		Irrigated	Kharif	Chilli	-		IDM	Management of chillimurda complex	2ha	2ha		5	5	0
		Irrigated	Kharif	Tomato	Arka samrat		INM	Application of liquid Arka Microbial Consortium to tomato seedling within 7 days of transplanting @ 3 litre per acre through drip irrigation or 5ml per litre of water for soil drenching. Use of vegetable special for foliar	2.4	2.4	2	4	2	4

								spray to substitute micronutrient requirement of vegetable crops (1st spray at one and half month of transplanting and remaining two sprays @15 days interval) along with Arka Samrat hybrid.						
6	Flowers													
7	Ornamental													
8	Fruit	Irrigated	Rabi	Lime		Kagzi	ICM	Bahar and micro nutrient management in lime Foliar application of citrus special @ 5g/lit and Bahar management (In the month of September foliar application of Lihocin @ 2ml/lit at 15 days interval).	3.20	3.20 ha	1	9	10	
		Irrigated	Rabi	Grape		Thompson seedless	IPM	Management of stem borer: Removing of bark, applying COC and stem injection of 8 % DDVP	2ha	2ha		5	5	
		Irrigated	Rabi/ Summer	Watermelon	Sugar queen		INM	Mixture of boric acid @ 30g + salicylic acid @ 50g in 1% urea solution/ac, 2 foliar spray should be taken at flower bud appear and after 20 days of 1st spray in melons. Installation of	2.4	2.4	2	4	2	4

								sticky traps (yellow and white).Spraying of fipronil 1ml/lit						
		Irrigated	Rabi	pomegranate	Kesar		Sanitation, Light traps (1 solar light trap/acre) + Melathion 2 g/trap + molasses, neem based insecticide and need based insecticide	Management of fruit sucking moth in pomegranate	2.4	2.4	0	4	1	3
9	Spices and condiments													
10	Commercial	Irrigated	Kharif	Cotton		BtCotton	INM	Pheromone traps (30 nos/ha), Soil application of MgSO4 @ 25 kg/ha, foliar application of MgSO4 @ 1% at 70 and 90 DAS and alternate furrow irrigation. Profenophos 2ml/L within 100 DAS, At 110-130 DAS use of need based pyrethroid insecticide @ 0.5 ml/ltr. 5% neem oil spray + intercropping of greengram (BGS-9 variety).	2.4	2.4	2	4	2	4
11	Medicinal and													

	aromatic													
12	Fodder	Irrigated	Rabi	Fodder		-		Perennial supply of green fodder: as a model	10 gunta	10 gunta	02	03	02	01
		Irrigated	Rabi/Summer	Fodder		-	-	Demonstration on preservation of green fodder in the form of silage using silo bags	-	-	02	04	02	02
13	Plantation													
14	Fibre													
	Dairy													
	Poultry													
	Rabbitry													
	Piggery													
	Sheep and goat													
	Duckery													
	Common carps													
	Mussels													
	Ornamental fishes /fishes	-	Rabi	Fish		-	-	Promotion of composite fish farming in storage ponds	6,400 sq.ft pond	6,400 sq.ft pond	02	04	02	02
	EDP-Oyster	-												

	mushroom													
	Button mushroom													
	Vermicompost													
	Sericulture													
	Apiculture													
	Implements													
	Others (specify)													

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

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	
	Oilseeds												
	Pulses												
	Cereals												
	Millets												
	Vegetables												
	Flowers												
	Ornamental												
	Fruit												
	Spices and condiments												
	Commercial												
	Medicinal and aromatic												
	Fodder												
	Plantation												
	Fibre												

5.B. Results of FLDs

5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)				% Increase	Economics of demonstration (Rs./ha) Demo			Economics of demonstration (Rs./ha) Check		
							Demo			Check		Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
							H	L	A								
Oilseeds																	
Groundnut	Sulphur Management in Groundnut (G2-52 variety)	**G2-52**		Summer	05	2.0	18.22	16.42	17.32	14.80	17.03	83,136	45,296	2.20	71,040	33,200	1.88
Pulses																	
Pigeon pea	Demonstration of solar opearated Nipping machine in Pigeonpea	TS-3R	-	Irrigated	10		14	12	13	11	18.18	65000	40640	2.66	55000	31700	2.36
Cereals																	
Maize	Management of fall army worm in maize			Irrigated	10	4.80	51	48	49.50	41.50	19.28	60,825	39200	2.81	56,025	29,900	2.14
Millets	Foxtail millet variety DHFt-109-3, processing and value addition for health mix	DHFt-109-3		Rainfed	05	2	10.5	9.2	9.85	8.5	15.88	24625	17975	3.70	21250	15300	3.26
Vegetables																	
Chilli	Management of chillimurda complex	Pusa jwala	-	Irrigate	04	2.4	334	255	294.5	247	19.23%	4,12,300	2,82,800	3.18:1	3,45,800	2,04,640	2.45:1
Kharif Tomato	Application of Liquid Arka Microbial Consortium in Tomato Cultivation		Arka Samrat hybrid	Irrigated	06	2.4	350	325	338	282	19.9	2,73,780	1,40,980	2.06	2,11,500	81,100	
'Kharif Onion	Demonstration of new Onion variety "Bhima Super" during *Kharif*	Bhima Super	-	Irrigated	10	4	152	147	149.1	136	9.63	4,47,300	3,86,480	7.36:1	3,80,800	3,17,800	6.05:1
Chilli	Demonstration of chilli Hybrid "Arka Khyati''	Arka Khyati		Irrigated	05	02	342.5	335	338	299	13.23	5,07,000	3,45,260	3.14:1	448,500	2,76,480	2.61:1
Rabi Onion	Demonstration of Onion variety Bhima Shakti for *Rabi* season	Bhima Shakti	-	Irrigated	06	2.4	310	270	290	261	11.42	1,97,440	1,59,340	5.17:1	1,61,820	1,20,860	3.90:1

Ornamental																	
Fruit																	
lime	ICM and Popularization of citrus special in lime cultivation	Kagzi		Irrigated	05	2	242	228	235	175	16.30	2,44,200	1,96,710	5.14	2,01,250	1,50,914	4.00
Grape	Stem Borer Management in Grape	Thompson seedless		Irrigated	10	04	324	318	321	296	8.32	11,21,750	7,96,190	3.45	10,06,300	6,74,520	3.00
Pomegranate	IPDM in Pomegranate	Kesar		Irrigated	05	02			18.20	15.0	21.34	7,25,000	5,85,000	5.17	6,00,000	4,49,500	3.99
Watermelon	Foliar application of Boron and management of sucking pest in melons	Sugar queen		Irrigated	06	2.4	660	640	650	584	11.3	4,87,500	3,87,250	4.86	4,08,800	3,08,550	4.08
Spices and condiments																	
Commercial																	
Cotton	Management of leaf reddening and pink bollworm in Cotton		Bt cotton	Irrigated	06	2.4	34	30	32	26.5	20.8	1,63,200	1,21,100	3.88	1,32,500	91,250	3.21
Sugarcane																	
Fibre crops like cotton																	
Medicinal and aromatic																	
Fodder																	
Plantation																	
Fibre																	
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 – 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**

5.B.2. Livestock and related enterprises

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Name of the parameter with unit	Yield (kg/animal)				% Increase	*Economics of demonstration Rs./unit)			*Economics of check (Rs./unit)		
						Demo			Check if any		Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
						H	L	A								
Dairy (fodder)	Perennial supply of green fodder model : as a model	Cattle and Goats	08	08	Yield (ton/harvest) and milk yield (lit.)	7.8	5.1	6.50	5.2	20.00	228	156.5	1.46:1	182	135.20	1.35:1
	Demonstration of preservation of green fodder in the form of silage using silo bags	Cattle and Goats	10	10	Quality of silage and milk yield (lit/lactation /animals.)	Under Progress										
Poultry																
Rabbitry																
Pigerry																
Sheep and goat																
Duckery																
Others (pl.specify) Fodder																

* 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^2)	Name of the parameter with unit	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./unit)			*Economics of check (Rs./unit)		
						Demo			Check if any		Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
						H	L	A								
Common carps	Promotion of composite fish farming in storage ponds	Rohu, catla and common carp	10	2000	Yield (Kg) Mortality rate	**Yet to be harvested**										
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**

5.B.4. Other enterprises

Enterprise	Name of the technology demonstrated	Variety/ species	No. of Demo	Units/ Area {m^2}	Name of the parameter with unit	Yield				% Increase	*Economics of demonstration (Rs./unit) or (Rs./m2)			*Economics of check (Rs./unit) or (Rs./m2)		
						Demo			Check if any		Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
						H	L	A								
Oyster mushroom																
Button mushroom																
Vermicompost																

Sericulture																
Apiculture																
Others (pl.specify)	Supply of mini hatchery unit		01	01	Hatching rate (%), Economics				Under progress							

* 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	Name of the operation with unit	Labour requirement in Mandays		% save	Savings in labour (Rs./ha)	*Economics of demonstration (Rs./ha)			*Economics of check (Rs./ha)		
						Demo	Check			Gross Return	Net Return	** BCR	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	02	50	02
2	Farmers Training	44	1382	44
3	Media coverage			
4	Training for extension functionaries	02	80	02
5	Others (Please specify)	02	50	02

PART VI – DEMONSTRATIONS ON CROP HYBRIDS(2019)

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)				% Increase	*Economics of demonstration (Rs./ha)			*Economics of check (Rs./ha)		
					Demo			Check		Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
					H	L	A								
Cereals															
Bajra															
Maize															
Paddy															
Sorghum															
Wheat															
Others (pl.specify)															
Total															
Oilseeds															
Castor															
Mustard															
Safflower															
Sesame															
Sunflower															
Groundnut															
Soybean															
Others (pl.specify)															
Total															
Pulses															
Greengram															
Blackgram															
Bengalgram															
Redgram															
Others (pl.specify)															
Total															
Vegetable crops															
Chilli	Demonstration of chilli Hybrid "Arka Khyati''	Arka Khyati	05	02	342.5	335	338	299	13.23	5,07,000	3,45,260	3.14:1	448,500	2,76,480	2.61:1

Ridge gourd															
Capsicum															
Others (pl.specify)															
Total															
Cucumber															
Tomato															
Brinjal															
Okra															
Onion															
Potato															
Field bean															
Others (pl.specify)															
Total															
Commercial crops															
Sugarcane															
Coconut															
Others (pl.specify)															
Total															
Fodder crops															
Maize (Fodder)															
Sorghum (Fodder)															
Others (pl.specify)															
Total															

H-High L-Low, A-Average

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

PART VII. TRAINING(2020)

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	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs										
Others (pl.specify)										
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop: capsicum	01	28	5	33	4	3	7	32	8	40
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl. specify)Chilli, Onion, , cucurbits	02	56	0	56	14	0	14	70	0	70
b) Fruits										

Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	03	64	10	74	7	0	7	71	10	81
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl.specify) dry land horticulture	01	15	05	**20**	0	5	**5**	20	05	25
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl.specify) commercial floriculture										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										

Post harvest technology and value addition										
Others (pl.specify) chia cultivation										
Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated nutrient management	03	85	10	**95**	30	7	**37**	115	17	132
Production and use of organic inputs										
Micro nutrient deficiency in crops	01	15	05	**20**	10	02	**12**	25	07	32
Management of Problematic soils										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing	01	20	05	**25**	14	04	**18**	24	23	**47**
Others (pl.specify)										
Livestock Production and Management										
Dairy Management	01	17	03	**20**	09	01	**10**	26	04	**30**
Poultry Management	01	15	02	**17**	08	01	**09**	23	03	**26**
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology	01	15	02	**17**	08	02	**10**	23	04	**27**
Production of quality animal products										
Others (pl.specify)										
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	01	06	08	**14**	02	09	**11**	08	17	**25**
Design and development of low/minimum cost diet	01	0	12	**12**	0	13	**13**	0	25	**25**
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										

Storage loss minimization techniques										
Value addition	1	0	25	**25**	0	4	**4**	0	**29**	**29**
Women empowerment	1	0	30	**30**	0	6	**6**	0	36	**36**
Women empowerment	2	0	45	**45**	**0**	16	**16**	0	61	**61**
Location specific drudgery production										
Rural Crafts										
Women and child care	02	16	02	**18**	13	06	**19**	29	08	**37**
Others (pl.specify)										
Agril. Engineering										
Farm machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl.specify)										
Plant Protection										
Integrated Pest Management	02	55	5	60	0	0	0	55	5	60
Integrated Disease Management	02	51	9	60	0	0	0	51	9	60
Bio-control of pests and diseases	02	58	3	61	0	0	0	58	3	61
Production of bio control agents and bio pesticides										
Others (pl.specify)	01	25	5	30	0	0	0	25	5	30
Fisheries										
Integrated fish farming	01	26	1	27	2	1	3	28	2	30
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										

Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl.specify)										
Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Others (pl.specify)										
CapacityBuilding and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Agro-forestry										
Production technologies										

Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	**31**	**567**	**192**	**759**	**121**	**80**	**201**	**683**	**281**	**964**

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**
Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil and Water Conservation										
Integrated Nutrient Management	01	30	2	**32**	5	0	**5**	35	2	**37**
Production of organic inputs										
Others (pl.specify)										
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										

Others (pl.specify) production technology of onion, chilli, tomato, Bhendi and Ridge gourd	03	74	4	**78**	**10**	1	**11**	84	5	89
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	01	48	2	50	0	0	0	48	2	50
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl.specify)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl.specify)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
g) Medicinal and Aromatic Plants										
Nursery management										

Production and management technology										
Post harvest technology and value addition										
Others (pl.specify)										
Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated nutrient management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency	01	30	04	34	4	2	6	34	6	40
Balanced use of fertilizers										
Soil and water testing	04	116	5	121	9	14	23	125	10	135
Others (pl.specify)										
Livestock Production and Management										
Dairy Management	02	05	42	**47**	**02**	14	**16**	07	56	**63**
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology										
Production of quality animal products										
Others (pl.specify)										
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	03	11	22	**33**	09	35	**44**	20	57	**77**
Design and development of low/minimum cost diet	01	03	11	14	01	09	10	04	20	24
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										

Storage loss minimization techniques										
Value addition	01	06	08	14	02	09	11	08	19	27
Women empowerment	01	0	12	12	0	13	13	0	25	25
Location specific drudgery production										
Rural Crafts										
Women and child care	03	0	24	24	0	33	33	0	57	57
Others (pl.specify)										
Agril. Engineering										
	16	02	18	20	06	19	24	39	73	73
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl.specify)										
Plant Protection										
Integrated Pest Management										
Integrated Disease Management										
Bio-control of pests and diseases	01	28	3	31	0	0	0	28	3	31
Production of bio control agents and bio pesticides										
Others (pl.specify)										
Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										

Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl.specify)										
Prduction of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Others (pl.specify)										
CapacityBuilding and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Agro-forestry										
Production technologies										

Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	**36**	**351**	**156**	**507**	**47**	**139**	**185**	**425**	**337**	**723**

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
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										

Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL										

7.D. Training for Rural Youths 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**
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production	01	42	0	42	08	0	08	42	08	50
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										

Value addition	01	16	05	21	0	0	0	16	05	21
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	**02**	**58**	**05**	**63**	**08**	**0**	**08**	**58**	**13**	**71**

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										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology	01	0	45	45	0	7	7	0	52	52
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care	01	0	26	26	0	21	21	0	47	47
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production	01	22	01	23	07	01	08	29	01	30
Household food security										
Any other (pl.specify)	01	28	02							30
Total	**04**	**50**	**74**	**94**	**07**	**29**	**36**	**29**	**100**	**159**

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										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care	03	0	48	48	0	37	37	0	85	85
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
Total	03		48	48		37	37		85	85

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**										
1.a.	Increasing production and productivity of crops	**01**	**41**	**0**	**41**	**4**	**0**	**4**	**45**	**0**	**45**
1.b.	Commercial production of vegetables										
2	**Production and value addition**										
2.a.	Fruit Plants	**01**	**41**	**0**	**41**	**4**	**0**	**4**	**45**	**0**	**45**
2.b.	Ornamental plants										
2.c.	Spices crops										
3.	**Soil health and fertility management**										
4	**Production of Inputs at site**										
5	**Methods of protective cultivation**										
6	**Integrated pest and disease Management**	**07**	**250**	**30**	**280**	**40**	**10**	**50**	**290**	**40**	**330**
7	**Post harvest technology and value addition**										
7.a.	Processing and value addition										
7.b.	Others (pl.specify)										
8	**Farm machinery**										
8.a.	Farm machinery, tools and implements										
8.b.	Others (pl.specify)										
9.	**Livestock and fisheries**										
10	**Livestock production and management**										
10.a.	Animal Nutrition Management										
10.b.	Animal Disease Management										
10.c	Fisheries Nutrition										
10.d	Fisheries Management										
10.e.	Others (pl.specify)										
11.	**Home Science**										
11.a.	Household nutritional security										
11.b.	Economic empowerment of women										
11.c.	Drudgery reduction of women										
11.d.	Others (pl.specify)										
12	**Agricultural Extension**										
12.a.	CapacityBuilding and Group Dynamics										
12.b.	Others (pl.specify)										
	Total	**09**	**332**	**30**	**362**	**48**	**10**	**58**	**380**	**40**	**320**

Details of sponsoring agencies involved

1.Lime board, Indi

2.ATMA

3. CAADA

4. Sericulture dept.

5. Coromanadal company

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	**Crop production and management**										
1.a.	Commercial floriculture										
1.b.	Commercial fruit production										
1.c.	Commercial vegetable production										
1.d.	Integrated crop management										
1.e.	Organic farming										
1.f.	Others (pl.specify)										
2	**Post harvest technology and value addition**										
2.a.	Value addition										
2.b.	Others (pl.specify)										
3.	**Livestock and fisheries**										
3.a.	Dairy farming	01	17	03	20	09	01	06	26	04	30
33.b.	Composite fish culture										
3.c.	Sheep and goat rearing	**01**	**19**	**05**	**24**	**10**	**02**	**12**	**29**	**07**	**36**
3.d.	Piggery										
3.e.	Poultry farming										
3.f.	Others (pl.specify)	01	15	02	17	08	01	09	23	03	26
4.	**Income generation activities**										
4.a.	Vermi-composting										
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.										
4.c.	Repair and maintenance of farm machinery and implements										
4.d.	Rural Crafts										
4.e.	Seed production										
4.f.	Sericulture										
4.g.	Mushroom cultivation										
4.h.	Nursery, grafting etc.										
4.i.	Tailoring, stitching, embroidery, dying etc.										
4.j.	Agril. para-workers, para-vet training										
4.k.	Others (pl.specify)										
5	**Agricultural Extension**										
5.a.	Capacity building and group dynamics										
5.b.	Others (pl.specify)										
	Grand Total	**03**	**51**	**10**	**61**	**27**	**04**	**27**	**78**	**14**	**92**

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

S. No.	Name of Job Role	Date of Start	Date of Close	Total Participants	No. of Participants									Date of Assessment	No of Participants passed assessment
					General			SC/ST			Grand Total				
					Male	Female	Total	Male	Female	Total	Male	Female	Total		
1	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
2.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	

PART VIII – EXTENSION ACTIVITIES(2020)

8.1. 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	04	40	10	50	0	0	00	2	4	6
	04	90	10	100	7	0	7	97	10	107
KisanMela										
KisanGhosthi	01	40	5	60	10	5		4	3	7
Exhibition										
Film Show										
Method Demonstrations	05	52	10	62	10	4	14	62	14	76
Farmers Seminar	01	48	12	60	10	0	10	58	12	70
Workshop										
Group meetings	01	21	02	23	08	01	09	29	3	32
Lectures delivered as resource persons	17	510	32	542	72	22	94	582	54	636
Newspaper coverage	06									
Radio talks	02									
TV talks										
Popular articles	09									
Extension Literature	04									
Advisory Services	01			989						
Scientific visit to farmers field	73									
Farmers visit to KVK	0			1225						
Diagnostic visits	57									
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										
MahilaMandals Conveners meetings										
Celebration of important days (specify)	**05**	**75**	**24**	**99**	**14**	**12**	**26**	**05**	**10**	**15**
Any Other (Specify) Independence day, Republic day, Farmer day, World soil health day, Posahn Maah	**06**	**115**	**65**	**180**	**15**	**12**	**27**	**130**	**77**	**207**
Total	**196**	**971**	**165**	**3365**	**146**	**56**	**187**	**968**	**185**	**6043**

.2 Special Extension Programmes

Nature of Extension Programme	Date(s) conducted	No. of farmers (General)			No. of farmers SC / ST			No.of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Any other, Pl. specify										

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIAL (2020)

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)						
Oilseeds						
Pulses	Redgram	TS-3R		50	400000	Seeds yet to be processed
Commercial crops						
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others (specify)						
Total				**41.65**		

9.B. Production of planting material by the KVKs

rop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Commercial						
Vegetable seedlings	Drumstick	PKM-1		300	3900	
Fruits	Dragon fruit			100	900	
	Lime seedlings	Kagzi		500	1350	
Ornamental plants	Cordy line firebrand	-		50	-	
	Tradescantia (boat lily)	-		100	-	
	Dracaena	-		50	-	
Medicinal and Aromatic	Coleus	-		150	2250	
	Aloe Vera	-		30	-	
Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest Species						
Others(specify)						
Total				**1280**	**8400**	

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	Vermicompost	57.50	46000	25
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others (specify)				
Total				

9.D. Production of livestock

Particulars of Livestock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Fingerlings				
Others (Pl. specify)				
Total				

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:_____ Periodicity:_____Copies printed in each issue:_____ Nil

(B) Literature developed/published

Item	Number
Research papers- International	-
Research papers- National	-
Technical reports	
Technical bulletins	
Popular articles - English	04
Popular articles – Local language	04
Extension literature	09
Others (Pl. specify) abstracts	01
TOTAL	**04**

10.B. Details of Electronic Media Produced

S. No.	Type of media	Title	Details
1	CD / DVD	**Video documentation on Success story on layer farming**	**Farmer Shri. Bhagesh rogi has started layer farming after attending the ASCI programme at KVK, Indi**
2	Mobile Apps		
3	Social media groups with KVK as Admin	**03**	**Capsicum, pomegranate and grape growers Indi**
4	Facebook account name	**kvkindi@gmail.com**	
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 Approach of Transfer of Technology developed and used during the year

10.E. Give details of Indigenous Technical Knowledge 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	Scientific Rationale
	Nil	**Nil**	**Nil**	**Nil**

10 F. Technology Week celebration during 2020:**Nil**

Period of observing Technology Week: From to
Total number of farmers visited :
Total number of agencies involved :
Number of demonstrations visited by the farmers within KVK campus :

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies			
Lectures organized			
Exhibition			
Film show			
Fair			
Farm Visit			
Diagnostic Practicals			
Supply of Literature (No.)			
Supply of Seed (q)			
Supply of Planting materials (No.)			
Bio Product supply (Kg)			
Bio Fertilizers (q)			
Supply of fingerlings			
Supply of Livestock specimen (No.)			
Total number of farmers visited the technology week			

10 E. Recognition and Awards: Please give details about National and State level recognition and awards

Nil

PART XI – SOIL AND WATER TEST

11.1 Soil and Water Testing LaboratoryNil (Soil and Water Testing Laboratory is not established yet KVK Indi)

A.Status of establishment of Lab : NIL

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

Sl. No	Name of the Equipment	Qty.	Cost	Status
1				
2				
3				
Total				

B. Details of samples analyzed since establishment of SWTL:

Details	No. of Samplesanalyzed	No. of Farmers benefited	No. of Villages
Soil Samples			
Water Samples			
Plant samples			
Manure samples			
Others (specify)			
Total			

C. Details of samples analyzed during the 2019:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages
Soil Samples			
Water Samples			
Plant samples			
Manure samples			
Others (specify)			
Total			

11.2 Mobile Soil Testing Kit

A. Date of purchase and current status

Mobile Kits	Date of purchase	Current status
1.		
2.		

B. Details of soil samples analyzed during 2019 and since establishment with Mobile Soil Testing Kit:

	Progress during 2019	Cumulative progress
Samplesanalyzed (No.)		
Farmers benefited (No.)		
Villages covered (No.)		

11.3 Details of soil health cards issued based on SWTL &Mobile Soil Testing Kit during 2019:

Particulars	Date (s)	Villages (No.)	Farmers (No.)	Samples analyzed (No.)	Soil health cards issued (No.)
SWTL					
Mobile Soil Testing Kit					

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.)
01						

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

IMPACT OF VOCATIONAL TRAINING ON SCIENTIFIC GOAT FARMING

Goat Farming is the major enterprise in KVK Vijayapura-II jurisdiction. However, most of the farmers are unaware of scientific method of goat farming which is leading to high kid mortality and low overall body weight gain which is ultimately responsible for huge economic losses to the farmers. Further, many farmers want to start the goat farming enterprise however; they fail due to lack of knowledge on scientific goat farming. Further, few farmers who are engaged in goat farming are not getting the maximum returns out of it. Hence, to encourage the farmers about goat farming a vocational training programme on advanced techniques/scientific goat rearing was conducted at KVK, Vijayapur-II (Indi).

Mode of Approach

The training programme was open for any category of peoples. However, we focussed on rural youths, retired personnel's and the farmers who are already engaged with goat farming. The training was attended by more than 50 farmers/rural youths and few farmers came from outside of our jurisdiction area. The training was conducted for three days during which lectures on different aspects of scientific goat farming were delivered by experts. Further, hands on training was also extended to farmers on topics like, azolla cultivation, selection of best breeds, deworming and cultivation of fodder varieties etc. Farmers were taken to the goat farm scientifically maintained by farmer with least expenditure.

Outcome:

Extent of adoption:

Among the 50 farmers, 32 were already engaged in goat farming however, remaining 18 farmers/youth were about to start the goat farming. Interestingly, after attending the training programme 8 (45.0%) out of 18 farmers/youths started the goat farming under the continuous guidance of Animal Scientist of KVK, Indi. Further, among the 32 farmers who were already engaged in goat farming, only few were knowing about the activities like azolla feeding (6.0%), regular deworming (25.0%), vaccination (18.0%), green fodder production (Hybrid napier) (35.0%) , Lucerne cultivation (30.0%), mineral mixture (21.0%) and concentrate feeding (18.0%). However, after attending training programme adoption level of various activities was increased viz, azolla feeding (56.0%), regular deworming (62.0%), vaccination (46.0%), green fodder production (Hybrid napier) (68.0%), Lucerne cultivation (56.0%), mineral mixture (50.0%) and concentrate feeding (40.0%). However, many farmers even after acquiring information on different activities has not adopted these activities may be due to financial burden or so.

Adoption Level of different Technologies at Farmer's Field

Sl.no	Parameters	Level of adoption (%)		% Gained
		Before training	After Training	
1	Azolla Feeding	6.0	56.0	**50.0**
2	Regular Deworming	25.0	62.0	**37.0**
3	Vaccination	18.0	46.0	**28.0**
4	Green fodder production (Hybrid napier)	35.0	68.0	**33.0**
5	Lucerne	30.0	56.0	**26.0**
6	Mineral mixture feeding	21.0	50.0	**29.0**
7	Concentrate feeding	18.0	40.0	**22.0**

The training has significantly boosted many youths to take up goat farming activity as a source of livelihood for their family. Further, overall adoption percentage by the farmers, which indicated that training, had a significant impact in uptake of new technologies thereby increasing their livelihood with renewed income. The training imparted to the farmers increased the exposure of awareness to new messages in the respondents, increased their knowledge and also farmers got experience to new technologies

PART XIII - LINKAGES

13A. Functional linkage with different organizations

Name of organization	Nature of linkage
State Dept. of Agriculture	Trainings, demonstrations, seminars and field days.
State Dept. of Horticulture	Training programmes, demonstrations, seminars and field days, soil testing
State Dept. of Animal husbandry & Veterinary Sciences	Animal Health Camps, trainings.
Syndicate Bank	Guidance to beneficiaries about schemes in Trainings
All India Radio, E-TV, Udaya, Chetan TV and Door Darshan	Publicity and transfer of technology
Farmers clubs	Trainings, demonstrations, seminars and field days.
Sri KshetraDhrmastalaGrameenabhivrudhiYojane (SKDRDP)	Seminar, Field day.
Raitamitra, NGO	Trainings
Dhan Foundation	Trainings, seminars
FPO, Indi, Sindagi	Technical backstopping
KMF	Demonstrations
Department of Women and Child Development	Primary data collection on women and children
RUDSETI	Organizing training programmes for women SHG's
Line departments	Organizing training programmes, income generating activities for women for women, participation as recourse person

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

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Effect of densified complete feed blocks supplemented with MorringaOleofera and Sesbania Sesban leaves on growth performance of Osmanabadi Goats- Staff research project funded by UAS, Dharwad	2019-20 (Completed)	UAS, Dharwad	10,00,000
Evaluation of combined Azolla and Chaya Leaf meal (CLM) as ingredients in poultry diet : its effect on productive performance in broilers in different seasons	2020-21	UAS, Dharwad	7,00,000
Preparation of ready to feed enriched crop residue fodder blocks	2018-19	UAS, Dharwad	10,00,000
Promotion of sustainable nutrition for farm women through nutria farms	2018-19 (Completed)	UAS, Dharwad	6,00,000
Development of DRIS norms in Grape, Lime and Pomegranate orchards of Indi and Sindagi Talukas of Vijayapura district.	2018-19(Completed)	UAS, Dharwad	3,20,000
Short Term Research Projects 1.Preparation of ready to feed enriched crop residue fodder blocks 2.Popularization of Bush Been in northern parts of vijayapura district 3. Promotion of sustainable nutrition through Nutri-farms and educating farm women on diet diversification in Vijayapur District	2018-19 (Completed)	ATMA, vijayapura	1,45,000
FPO (Sindagi)	2018-19(Completed)	NHM, Bengaluru GoK	3,09,750
Short Term Research Projects	2018-19(Completed)	ATMA, vijayapura	73,000
FPO (Indi)	2018-**19**(Completed)	NHM, Bengaluru GoK	3,09,750

13C. Details of linkage with ATMA

Coordination activities between KVK and ATMA

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	**Meetings**				
02	**Research projects**	1. Effect of densified complete feed blocks supplemented with MorringaOleofera and Sesbania Sesban leaves on growth performance of Osmanabadi Goats- Staff research project funded by UAS, Dharwad 2. Evaluation of combined Azolla and Chaya Leaf meal (CLM) as ingredients in poultry diet : its effect on productive performance in broilers in different seasons			**Project completed report submitted**
03	**Training programmes**				
04	**Demonstrations**				
05	**Extension Programmes**				
	KisanMela				
	Technology Week				
	Exposure visit				
	Exhibition				
	Soil health camps				
	Animal Health Campaigns				
	Others (Pl. specify)				
06	**Publications**				
	Video Films				

	Books				
	Extension Literature				
	Pamphlets				
	Others (Pl. specify)				
07	**Other Activities** (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

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		
January	**Text**	**01**			**01**			**02**	**735**
February	**Text**	**01**				**01**		**02**	**735**
March	**Text**	**03**				**01**		**04**	**747**
April	**Text**	**01**				**01**		**02**	**747**
May	**Text**	**02**				**01**		**03**	**753**
June	**Text**	**01**		**01**				**02**	**753**
July	**Text**	**01**			**01**			**02**	**887**
August	**Text**	**01**	**01**	**01**	**01**	**01**		**05**	**773**
September	**Text**	**01**	**01**		**01**			**03**	**775**
October	**Text**	**03**		**01**				**01**	**883**
November	**Text**	**01**				**01**		**02**	**888**
December	**Text**	**01**				**04**		**05**	**944**
Total		**17**	**2**	**3**	**04**	**10**		**33**	**9620**

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	
1	Dairy Unit	2018							

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									
Pulses									
Redgram	30.06.2020 and 01.07.2020	30.12.2020	4	TS-3R	Certified Seeds	50 q	95,000	4,00,000 (Approximately)	
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Guava	Existing/Established	November Month 2019	50 Trees	L-49	Commercial	186 Kg	1000	2790	
Vegetables Drumstick								9000	
Onion	23.7.2020	15.1.2021	0.3	Bhīma super	Commercial	283 9kg	5000	98393	
Others (specify)									

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

Sl. No.	Name of the Product	Qty (qtl)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1	Vermicompost	57.5	4500	46000	

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 : Hostel yet not started functioning.

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

14F. Database management

S.No	Database target	Database created
1	Farmer database	Under Progress

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 Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		
Nil									

PART XV –SPECIAL PROGRAMMES

15.1 Paramparagath Krishi VikasYojana (PKVY) : NIL

Sl No.	Name of cluster village	Initial soil fertility status (Average of cluster village)				Facilities created for organic source of manure	Name of Crops cultivated	Variety	Organic inputs applied including bio-agents and botanicals treatment	Yield (q/ha)	Economics	
		Aval. N	Aval. P	Aval. K	OC %						Cost of cultivation (Rs/ha)	Net returns (Rs/ha)
1	1.											
	2.											
	3.											
	4.											
	5.											
2	1.											
	2.											
	3.											
	4.											
	5.											

15.2 District Agriculture Meteorological Unit (DAMU): NIL

	Agro advisories			Farmers awareness programmes	
Sl No.	No of Agro advisories generated	No of farmers registered for agro advisories	No of farmers benefitted	No of programmes	No of farmers benefitted
1					
2					
3					
4					

15.3 Fertilizer awareness programme 2020

State	Name of KVK	Details of Activities/programme Organised	Number of Chief Guests	No. of Farmers attended program	Total participants

15.4Seed Hub: Nil

Crops	*Variety*	*Year of release*	*Production*				*Remarks*
			Target (q)	*Area (ha.)*	*Actual Production (q)*	*Category (FS/CS)*	

15.5CFLD on Oilseed : As per the excel sheet enclosed

15.6Seed on Pulses: As per the excel sheet enclosed

15.7 Krishi KalyanAbhiyan: Nil

Type of Activity	Date(s) conducted	No. of farmers (General)			No. of farmers SC / ST			No.of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total

15.8 Micro-Irrigation: Nil

Type of Activity	Date(s) conducted	No. of farmers (General)			No. of farmers SC / ST			No.of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total

15.9 Tribal Sub-Plan (TSP): Nil

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		OFT (No of Technologiess)	Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
No. of Trainings/ Demos	No. of Farmers	No. of Trainings/ Demos	No. of Women Farmers	No. of Trainings/ Demos	No. of Youths	No. of Trainings/ Demos	No. of Ext. Person		On-farm trials	Front line demos	Mobile agro-advisory to farmers						

15.10 SCSP : Nil

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		OFT (No of Technologiess)	Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
No. of Trainings/ Demos	No. of Farmers	No. of Trainings/ Demos	No. of Women Farmers	No. of Trainings/ Demos	No. of Youths	No. of Trainings/ Demos	No. of Ext. Person		On-farm trials	Front line demos	Mobile agro-advisory to farmers						

15.11 NARI

Activity	Achievement	
	Number of activity	No. of farmers/ beneficiaries
OFTs – Nutritional Garden (activity in no. of Unit)		
OFTs – Bio-fortified Crops (activity in no. of Unit)		
OFTs – Value addition(activity in no. of Unit/Enterprise)		
OFTs - Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)		
FLDs – Nutritional Garden (activity in no. of Unit)		
FLDs – Bio-fortified Crops (activity in no. of Unit)		
FLDs – Value addition(activity in no. of Unit/Enterprise)		
FLD- Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)		
Trainings		
Extension Activities		

15.12 KVK Portal

No. of Events added by KVKs	No. of Facilities added by KVKs	Filled Report on Package of Practices (Y/N)				Filled Profile Report (Y/N)							
		Crop	Livestock	Fisheries	Horticulture	Employees	Posts	Finance	Soil Health Cards	Appliances	Crops	Resources	Fish
133	04	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y

15.13 KSHAMTA: Nil

Number of Adopted Villages	No. of Activities		No. of farmers benefited	
	Demo	Training	Demo	Training

15.14 DFI

Sl	District	Taluks	Villages	Farmers (No.)	Average Benchmark Income (Rs/year)	Crops/ enterprises	KVK Interventions	Additional Net Income generated due to KVK interventions (Rs/year)	Total income of farmer (Rs/year)

PART XVI - FINANCIAL PERFORMANCE

16A. 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							
With KVK	1.SBI	Indi	2214	Senior Scientist & Head, KVK, Indi	36561181843	5860002209	SBIN0002214
	2.SBI	Indi	2214	Senior Scientist & Head, KVK Training Revolving Fund	37223614685	5860002209	SBIN0002214
	3.SBI	Indi	2214	Senior Scientist & Head, Seed Revolving Fund KVK, Indi	37275359075	5860002209	SBIN0002214

16B. Utilization of KVK funds during the year 2019-20 (Rs. in lakh) as on 31.12.2020

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	9700000	9700000	9479518
2	Traveling allowances	175000	175000	174185
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	310000	310000	294559
B	POL, repair of vehicles, tractor and equipments	175000	175000	174975
C	Meals/refreshment for trainees (ceiling up to Rs.40/day/trainee be maintained)	125000	125000	123480
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	25000	25000	25000
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	379000	379000	366554
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	71000	71000	70354
G	Training of extension functionaries	25000	25000	25000
H	Maintenance of buildings	-	-	-
I	Establishment of Soil, Plant & Water Testing Laboratory	25000	25000	25000
J	Library	5000	5000	3280
K	Extension activities	50000	50000	39500
L	EDP/Innovative activities	30000	30000	24,450
M	Nutri garden	25000	25000	24458
	TOTAL (A)	11145000	11145000	10858739
B. Non-Recurring Contingencies				
1.	Equipments& Furniture (Including tractor)	**1000000**	-	
a)	IT	200000	200000	135380
b)	Office equipment	200000	200000	-
c)	Office and Hostel Furniture	600000	600000	-
880	**Works**	**13669000**	-	-
a)	Administrative Building (III Installment)	4800000	4800000	4800000
b)	Farmers hostel (all installment after deduction of initial release made)	7169000	7169000	5698876
c)	Compound cum fencing	900000	900000	-
d)	Demonstration unit (2)	800000	795664	-
TOTAL (B)		**146,69,000**	**146,64,664**	**106,34,256**
(C). REVOLVING FUND		-	-	-
GRAND TOTAL (A+B+C)		**258,14,000**	**258,09,664**	**214,92,995**

16C. Status of revolving fund (Rs. in lakh) for the last three years

Year	Opening balance as on 1st January	Income during the year	Expenditure during the year	Net balance in hand as on 31st December of each year
January to December 2018	4,64,435	4,63,252	2,70,911	6,56,776
January to December 2019	6,56,776	13,06,110	9,69,134	9,93,752
January to December 2020	9,93,752	12,26,308	11,27,250	10,92,810

17. Details of HRD activities attended by KVK staff

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr. Savita B	Scientist (Soil Science)	Webinar on Role of nanotechnology in Food and Agriculture	UAS, Raichur	18.05.2020 to 22.05.2020 (5 days)
		Innovative Approaches Towards Managing Soil Health for Climate – Smart Agriculture	Parbhani Chapter of ISSS, Dept. of Soil Science and Agril. Chemistry, Vasantrao Naik Marthwada Krishi Vidyapeeth Parbhani	22.07.2020 to 24.07.2020 (4 days)
		Conservation Agriculture based Crop Management Technologies in Climate Smart Agriculture	KVK, Indi	07.09.2020 to 08.09.2020 (2 days)
		International Webinar on Achieving land degradation Neutrality	KVK, Indi	17.09.2020 (1 day)
		International Webinar on Soil Management for Sustainable Crop Productivity	KVK, Indi	22.09.2020
		Poshan Mah	KVK, Indi	17.09.2020
		One day National webinar on Personality development and soft skills	KVK, Indi	

		One day National webinar on Agri-preneurship Opportunities and Support System	KVK, Indi	16.10.2020
Dr. Savita B	**Scientist (Soil Science)**	Land resource management for climate smart agriculture.	NBSS&LUP, Nagpur	03.09.2019 to 25.09.2019
		National conference on Arid Fruit: A Way Forward for Sustainable Production and National Security	UAS Raichur	28.11.2019 to 30.11.2019
Heena M S	**Scientist (Horticulture)**	Protected cultivation technologies for climate smart agriculture	CAAST, CSAWM & MPKV, Rahuri (E- Training)	21.04.2020-29.4.2020 (2 Weeks)
		Webinar on Role of nanotechnology in Food and Agriculture	UAS, Raichur (online webinar)	20.08.2020 to 29.08.2020 (10 days)
		Emerging trends in seed production technology and quality control framework for effective seed supply chain of horticulture	UHS, Bagalkot (E- Training)	28.12.2020-6.01.2020 (10 days)
		Quality seed production of vegetable crops under protected cultivation	Chandra Shekhear Azad University of agriculture and Technology, Kanpur National e- training	24.8.2020-28.8.2020 (5 days)
		Recent advancement in integrated disease management of agricultural crops	National Webinar	30.05.2020 to 31.05.2020 (2days)
		role of root stalk in roots and vegetable crops for improving yield and quality	National Webinar	4.07.2020 to 5.07.2020 (2 days)

		International Web Conference on Biodiversity in Vegetable Crops for Healthier Life and Livelihood	Bihar Agricultural University, Sabour, Bhagalpur International Web Conference	27.8.2020-28.8.2020 (2 days)
		2nd National conference of society of Krishi Vigyan	Society of KrishiVigyan	26.9.2020- 28.9.2020 (3 days)
Dr. Syeda Sameena Anjum	**Scientist (Plant Protection)**	National Webinar on Recent Advancement In Integrated Disease Management Of Agricultural Crops.	Society for Advancement in Agriculture, Horticulture and Allied Sectors (SAAHAS)	2020
		online training on 'Non-Insect Pest Management – Mites, Crabs, Snails, Slugs and Avian'	National Institute of Plant Health Management, Hyderabad	2020
		Webinar on Role of nanotechnology in Food and Agriculture	UAS, Raichur (online webinar)	2020
		Online Training Programme on "Waste Management in Agriculture andAllied Sectors"	EEI, Hyderabad	2020
		webinar on Certification Course on Organic Certification	UAS, Dharwad (online webinar)	2020
		National webinar on sustaining pulse production for self sufficiency and nutritional security (Pulse webcon 2021).	Organised by ISPRD and ICAR-IIPR Kanpur in collaboration with ICAR-New Delhi	2020

Dr. Santosh Shinde	**Scientist (Animal Science)**	ICAR-Indian Grassland and fodder research Institute, Jhansi, UP	Online	23.06.2020- 26.06.2020.
		International workshop on "An approach to wildlife anaesthesia surgery and management (Online)	College of Veterinary Sciences and A.H, Rewa., Jabalpur	11.07.2020 to 13.07.2020

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

18. Please include any other important and relevant information which has not been reflected above (write in detail). Like details regarding FPO formation, Achievements during COVID-19 lockdown period.