KRISHI VIGYAN KENDRA, CHITRADURGA

ANNUAL REPORT- 2020

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

KVK Address with QR Code, web site, E-mail, Tel and Host Organization details

KVK Address	Telephone		E mail	Web Address
ICAR- Krishi Vigyan Kendra, Chitradurga Babbur Farm, Hiriyur-577 598, Chitradurga district, Karnataka State.	Office 08193-289160	Fax 08193-289160	kvkchitradurgahyr@gmail.com kvk.Chitradurga@icar.gov.in	**https://kvkct.uahs.edu.in**

Host organization details

Address	Telephone		E mail	Web Address
	Office	Fax		
University of Agricultural and Horticultural Sciences, Shivamogga Savalanga Road, Navile, Shivamogga, Karnataka-Pin: 577 225	08182- 267001	08182-298008	vcuahs2014@gmail.com	uahs.in

GENERAL INSTRUCTIONS

Please read the following instructions very carefully before starting preparation of the report.

- Annual report is the most important document for the KVK and it directly reflects the overall achievements pertaining to the reported period. Hence due care needs to be given by each KVK while preparing the report.
- Period of Report is from 01 January, 2020 to 31 December, 2020.
- Action photographs with relevant captions covering all OFTS/FLDS/TRAINING/EXTENSION activities of the KVK in High resolution should be submitted separately in a CD/DVD along with this report. A part from this, soft copy of the activity wise photos may be submitted in JPEG format.
- Prepare Summary tables carefully tallying with the relevant portions of the main report on all aspects.
- Retain the blank column and rows as such and do not merge the cells. Please specify NIL, wherever not applicable or details are not available.
- Check the names of varieties and hybrids and specify in the report.
- Check the units and totals of each data table.
- Extension activity under celebrations for each important day, please insert separate rows and give appropriate data separately. Clubbing of data should be avoided.
- Success stories/case studies should be supported with data tables and graphs. Without photos success stories will not be considered for inclusion in Annual Report of ATARI.

PART I - GENERALINFORMATION ABOUT THE KVK

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

KVK Address	Telephone		E mail	Web Address
ICAR- Krishi Vigyan Kendra, Chitradurga Babbur Farm, Hiriyur-577 598, Chitradurga district, Karnataka State.	Office 08193-289160	Fax 08193-289160	kvkchitradurgahyr@gmail.com kvk.Chitradurga@icar.gov.in	kvkct.uahs.edu.in

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 and Horticultural Sciences, Shivamogga Savalanga Road, Navile, Shivamogga, Karnataka-Pin: 577 225	08182- 267001	08182-298008	vcuahs2014@gmail.com	uahs.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. S. Onkarappa	08193-289160	9480838201	onkarappas@yahoo.com

1.4. Year of sanction:
2000 under NATP, 2004 as full fledged KVK

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	Senior Scientist & Head	-	-	-	-	-	-	-	-	-	-
2	Scientist	Dr. S. Onkarappa	Senior Scientist & Head (I/c) & Scientist	M	Plant Protection	Ph. D	79,800 to 2,11,500	95,300	17-07-2009	Permanent	Others
3	Scientist	Dr. K. Amaresh Kumar	Scientist	M	Agri. Extension	Ph.D	1,31,400 to 2,17,100	1,35,300	31-3-2018	Permanent	SC
4	Scientist	Dr. ParashuramChandravanshi	Scientist	M	Soil Science	Ph.D	79,800 to 2,11,500	98,200	26-3-2018	Permanent	SC
5	Scientist	Dr. PrakashKerure	Scientist	M	Horticulture	Ph. D	68,900 to 2,05,500	75,300	10-11-2011	Permanent	OBC
6	Scientist	Dr, Rudragouda F Channagouda	Scientist	M	Agronomy	Ph.D	68,900 to 2,05,500	79,900	17-10-2013	Permanent	Others
7	Scientist	-	-	-	Home Science	-	15600 to 39100 +AGP6000	-	-	-	-
8	Programme Assistant (Lab Tech.)	Mrs. GeethaKumari B .N	Programme Assistant /training	F	Agriculture	B.Sc.(Agri.)	9300 to 34800 + AGP 4600	14,020+ AGP 4600	04-11-2010	Permanent	OBC

			Asst								
9	Programme Assistant (Computer)	Mrs. Kavitha P. Naik	Programme Assistant (Computer)	F	Computer Science	B.Sc	9300 to 34800 +AGP 4600	12430+AGP 4600	30-11-2013	Permanent	OBC
10	Programme Assistant/ Farm Manager	Mr. Rudramuni T.	Farm Manager	M	Entomology	M.Sc.(Agri.)	9300 -34800 + AGP 4600	14040+ AGP 4600	14-5-2019	Permanent	Others
11	Assistant	Mr. D. Gurumurthy	Assistant	M	Accounts & Administration	B.A	37900-70850	39800	01-01-2013	Permanent	Others
12	Jr. Stenographer	-	-	-	-	-	-	-	-	-	-
13	Driver - 1	Mr. Maheboob Patel	Driver	M	Tractor driver	PUC	30350-58250	34300	30-10-2008	Permanent	OBC
14	Driver - 2	Mr. Hariprasad S.	Driver	M	LMV-	PUC	21400-42000	21800	14-11-2018	Permanent	SC
15	SS-1	-	-	-	Cook cum Care taker	-	-	-	-	-	-
16	SS-2	Mrs. Nagamma	Messenger	F	Messenger	7thstd	17000-28950	17800	24-11-2016	Permanent	OBC

1.6. Total land with KVK : 20 ha

S. No.	Item	Area (ha)
1	Under Buildings	08.00
2.	Under Demonstration Units	03.00
3.	Under Crops	6.6
4.	Orchard/Agro-forestry	1
5.	Others	1.4

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. in lakh)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	2009	550	55.0	-	-	-
	Soil Lab	UAHS	2018	220	38.0	-	-	-
2.	Farmers Hostel	ICAR	December 2002	305	30.0	-	-	-
3.	Staff Quarters	-	-	-	-	-	-	-
4.	Demonstration Units							
	1.Vermi compost Unit	RKVY	29-3-2017	10	0.4	-	-	-
	2. Nursery			486	0.6	-	-	-
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	ICAR	March 2008		9.70	-	-	
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-
9	Plant Health Clinic	NHM	June 2008	-	20	-	-	-
10	Vehicle & Implement Shed	ICAR	Sept 2011	-	2.65	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Bolero KA 16 N 4264	2017	6,63,495	171487 Km	Good Condition
Tractor	2007	4,66,319	4771.5 Hrs	Good Condition
Two Wheeler (Hero Honda) KA 16 S 4401	2009	42,645	41890 Km	Good Condition
Scooter (Honda Activa) KA 16 S 4415	2009	39,350	61500 Km	Good Condition
TVS Victor KA04EF8139	2003	38,363	74772 km	Good Condition

C) Equipment & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
-	-	-	-
-	-	-	-
-	-	-	-

1.8. Details of SAC meeting conducted during 2020

Date	Number of Participants	Salient Recommendations	Action taken
16-12-2020	24	Increase seed production activities in onion through farmers' participatory programme.	Onion seed production through farmers' participatory programme has been initiated since from 2016 further area will be increased
		Promote the hydroponic fodder production technologies among the farmers.	This technology will be promoted through training programmes during 2021-22
		Demonstration on kitchen garden should be arranged to overcome the problem of anemia and mal nutrition in rural area.	Special programme on "Demonstration of nutrigarden among farm families" for 50 farmers have been taken up from 2019-2020 & 2020-21
		Document and publish the success stories of progressive farmers.	Success stories of progressive farmers will be published during 2021-22
		Promotion of dry land horticultural crops	Cashew is promoted as dry land horticulture crop in Hariyabbe and Chillahalli villages of Hiriyur Tq. since 2019.
		Make fodder sorghum var. COFS-31 seeds availability through seed production.	180 Kg seeds of fodder sorghum var. COFS-31 were produced in KVK.
		Encourage women self help groups in preparation of value added products on perishable commodities during market glut.	It will be initiated during 2021-22
		Progressive farmers may be involved as resource person in training programmes at KVK to share their experience with farmers/trainees	Progressive farmers were involved as resource person in training programmes at KVK to share their experience with farmers/trainees during 2018-19.Also we are planning to implement the same during 2021-22
		More number of field days must be organized to share the technologies of FLD .	During 2020-21 ,15 field days for 660 farmers were conducted on different crops
		Each scientist should give 10 radio programmes under Negila Miditha Scheme (AIR).	During 2020-21 ,15 radio programmes were given by Scientist of KVK , Chitradurga and number of programme will be increased during 2021-22
		Arrange exposure visit to Gonikoppal KVK with selected FPO farmers to know the success of FPO activities.	It will be initiated during 2021-22
		Skill development training programme should be	It will be initiated during 2021-22

		organized for unemployed rural youths.	
		Create awareness on New Form Acts 2020-21.	• 5 Awareness programmes on New Form Acts were conducted during 2020-21 • We have uploaded video in KVK website and Whatsapp group on New Form Acts in local language
		The technology which is suitable, economically viable must be demonstrated in the farmers field.	It will be initiated during 2021-22
		Impact of FLD and OFT should be documented which were conducted in the farmers field.	Impact of FLD and OFT is documented regularly
		Rechecking of VSL soil sample values through KVK lab.	It will be initiated during 2021-22
		Financial assistant will be provide by Dept. of Agriculture to study the soil health management.	It will be initiated during 2021-22
		Develop and publish production and protection practices in onion and arrange field day on successful onion growing farmer field.	Regularly FLD and OFT on Onion production have been conducted by KVK in farmers field and production technology was shared in the websites and media. Field days were conducted with involvement of line department officials
		Make availability of grafted jamun, hybrid coconut, tissue culture banana at KVK nursery.	500 grafted Jamun , 4000 coconut plants were produced during 2020-21.
		To conduct studies on performance of SF-4 over V-1 and their impact on silk worms and share the technology to Dept. of Sericulture	It will be initiated during 2021-22
		Promotion of value added products in groundnut through SHG's	It will be initiated during 2021-22
		Popularize micro credit facility of NABARD to the farmers	It will be initiated during 2021-22
		Ensure the availability of Trichoderma and other Bio inputs.	Trichoderma and other Bio inputs has been supplied to the farmers through OFRC , Shivamogga
		Awareness among the farmers on integrated farming system.	Awareness among the farmers on integrated farming system was implement through the IFS project by selecting 12 farmers in the district during2016-17 to 2018-19 . Further training programmes will be conducted during 2021-22.
		Encourage farmers on dairy farming	Dairy farming is being encouraged by providing fodder sorghum var. COFS-31 seeds to the farmers and advising them to grow fodder trees .

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
2	Agriculture + Animal husbandry
3	Agriculture + Horticulture
4	Agriculture + Animal Husbandry+ Horticulture
5	Agriculture + Sericulture + Horticulture + Animal Husbandry

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

S. No	Agro-climatic Zone	Characteristics
1	Central Dry Zone (Zone– IV) of Karnataka	Normal rain fall- 592 mm Max Temp- 38 Min Temp- 19.3 Hot semi- arid Shallow and medium red and black soil

Sl. No	Agro ecological situation	Characteristics
1	Central Dry Zone	Total Geographical Area of the district: 7.70 lakh ha. total cultivable area is 4.05 lakh ha. In this 3.55 lakh ha. (58 %) is under rainfed condition and 0.5 lakh ha (12 %) is under irrigated condition

2.3 Soil type/s

Sl. No	Soil type	Characteristics	Area in lakh ha
1	Red sandy loam with low rainfall	Soil are low in available nitrogen content, medium in phosphorus and potassium. Organic matter content is low and bulk density is moderate. Water holding capacity is less and soil depth is shallow natured.	1.96
2	Red sandy loam with medium rainfall	Available nutrients are medium in nature, micro nutrients like iron, copper, manganese are medium in nature. Molybdenum, boron and zinc are low. These soils are well drained and suitable for water logging sensitive crops, Low CEC.	1.36
3	Medium to deep black soils with medium rain fall	Soil depth is high (90 cm and above). These soil contain swelling and shrinking property because Montmorilinnite clay. These soils are suitable for cotton, maize, jowar, etc. Water holding capacity is more.	2.09

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

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
1.	Maize	92414	246857	2726
2.	Finger Millet	50728	62706	1200
3.	Sorghum	1436	615	428
4.	Redgram	15115	4284	473
5.	Greengram	4184	383	310
6.	Chick pea	40520	19993	493
7.	Avare	2471	2009	1069
8.	Groundnut	91596	51385	561
9.	Sunflower	19533	10573	536
10.	Seas mum	4176	2196	546
11.	Coconut	58715	0.56 (million nuts)	9225 No's/ha
12.	Banana	5790	160.45(000 ton)	24.0 t/ha
13.	Mango	3,343	34,543.2 t	10.3 t/ha
14.	Pomegranate	6911	62199 t	9.0 t/ha
15.	Watermelon	307	9824	32.0 t/ha
16.	Onion	32,887	6,44,910 t	19.60 t/ha
17.	Chrysanthemum	617	8,124 t	13.16 t/ha
18.	Arecanut	21694	43388	2000

* Please provide latest data from authorized sources. Please quote the source –DOH and DoA, Chitradurga

2.5. **Weather data**

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
Jan-2020	0.0	30.9	15.7	67.50
Feb-2020	0.0	32.4	15.9	64.50
Mar-2020	0.0	35.5	20.8	69.00
Apr-2020	23.0	35.5	21.7	69.00
May-2020	60.80	36.2	22.4	70.50
Jun-2020	83.80	31.9	21.9	72.00
Jul-2020	93.40	30.7	21.6	75.50
Aug-2020	22.00	29.1	21.4	79.50
Sep-2020	1.20	29.6	21.6	79.00
Oct-2020	76.40	29.5	20.9	76.50
Nov-2020	33.20	29.2	18.7	72.50
Dec-2020	19.60	28.6	14.7	67.00

* GKMS Babbur farm

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

Category	Population	Production	Productivity
Cattle			
Crossbred	34806	6 LPD	10 LPD
Indigenous	239931	1.5 LPD	2 LPD
Buffalo	151895	2 LPD	3 LPD
Sheep	924231		
Crossbred	-	Meat	20 Kg / Animal
Indigenous	-	Wool	1 kg / year
Goats	226696	16 Kg/ Animal	18 kg/ Animal
Pigs	2810		
Crossbred	-	60 Kg/ Animal	80 kg/ Animal
Indigenous	-	40 Kg/ Animal	60 Kg/ Animal
Rabbits	1465	-	-
poultry	161175	-	-
Hens			
Desi	-	60-80 eggs / year	100 eggs / year
Improved	-	280 eggs / year	280 eggs / year

* Department of animal husbandry , Chitradurga

Category	Area	Production	Productivity
Fish	-	-	-
Marine	-	-	-
Inland	-	-	-
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

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

2.7 **District profile maintained in the KVK has been Updated for 2020**: Yes / No

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	Challakere	Parashurampura	Halagondanahalli	1	Groundnut	• Less plant population (30-35 kg seeds/acre) • Imbalanced nutrition (farmers apply only 1 bag DAP) • Leaf minor, root grub, bud necrosis and leaf spot problem	Production
2	Challakere	Parashurampura	Halagondanahalli	1	Finger millet	• Non availability of high yielding varieties • Neck blast, lodging and suscebality to drought • Imbalanced nutrition	Production
3	Challakere	Parashurampura	Halagondanahalli	1	Groundnut	• Lack of knowledge on Nano fertilizer and its usage • Less fertilizer use efficiency	Production
4	Hiriyur	Dharmapura	Suguru	1	Onion, groundnut	• Use of local variety i.e. Satara Gurva • Low Yield • Imbalanced nutrition	Demonstration of Bhima Shakti variety
5	Chellakere	Parashurampura	Haligondanahalli,	1	Onion, Ground nut, Redgram	• Use of local variety i.e. Satara Gurva • Low Yield • Imbalanced nutrition	ICM
6	Challakere	Parashurampura	Haligondanahalii	2	Mango, Ground nut, Redgram	• Low yield due to imbalance nutrition • Flower and fruit drop • Incidence of powdery mildew, hopper and fruit flies	ICM
7	Hiriyur	Dharmapura	Devarakotta	1	Watermelon, Mango, onion	• Low yield due to local varieties • Incidence of watermelon bud necrosis virus	Assessment of watermelon hybrids
8	Challakere	Parashurampura	Haligondanahalii	1	Arecanut	• Imbalanced nutrition, button shedding and nut splitting	INM
9	Challakere	Parashurampura	Haligondanahalli	1	Red gram	• Leaf Webber and Pod borer • Pigeonpea sterility mosaic disease	ICM
10	Hosadurga	Hosadurga	Kangavalli	1	Bengal gram	• Pod borer and wilt	ICM
11	Challakere	Parashurampura	Haligondanahalli	1	Banana	• Low bunch yield due to • imbalanced application of major • and micro nutrients	INM
12	Chitradurga	Chitradurga	Kallenhalli	1	Beans, Bhendi, Littlemillets	• Low yield due to local varieties • Incidence of Yellow vein mosaic virus and Jassids	Demonstration of Arka Nikhita hybrid
13	Challakere	Challakere	Gopinahally	1	Redgram	• Sterility mosaic and wilt problem • Imbalance nutrition	Varietal Evaluation
14	Hiriyur	Dharamapura	Shidalinakote	1	Greengram	• Yellow Mosaic disease • Imbalanced application of fertilizers	Production

15	Hiriyur	Dharama pura	Alur	-	-	• Improper disposal of Arecanut husk • Lack of knowledge about composting methods	-
16	Chitradurga	Bharamasagara	Halavudara	1	Avare	• Low yield due to poor nutrient uptake under moisture stress	INM

2.8 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	Challakere	Parashuramapura	Haligondanahalli	-	-	-	-

2.10 **Priority thrust areas**

S. No	Thrust area
1.	Value addition, branding and marketing
2.	Water Management
3.	Problematic Soils and their management
4.	Integrated Nutrient management
5.	Integrated Wilt management in Chickpea and Maize
6.	Seed production
7.	Organic farming
8.	Fodder productivity
9.	Integrated management of Army worm in Maize
10.	FPO Linkage
11.	Dry land farming
12.	Balanced use of fertilizers

PART III - TECHNICAL ACHIEVEMENTS (2020)

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
4	4	10	10	12	12	82	82

Training				Extension Programmes			
3				4			
Courses (No.)		Participants (No.)		Programmes (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
56	52	1880	1750	2803	8187	107460	15115

Seed Production (Q)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
46.5	27.34	13750	5751

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

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	Nutrient management	Groundnut	Lack of knowledge on Nano fertilizer and its usage Less fertilizer use efficiency	Assessment of Nano fertilizer (N & Zn) on growth and yield of groundnut	-	2	1	1	2	-	-	-	No 2	Kg 6
2		Red gram	Sterility mosaic and wilt problem and Imbalance nutrition	Assessment of redgram varieties for higher yield	-	2		1	2	-	-	-	No 2	Kg 6
3	Production	Groundnut	Less plant population (30-35 kg seeds/acre) , Imbalanced nutrition , Root grub, bud necrosis and leaf spot	-	ICM in groundnut	2	2	2	3	60 kg	-	-	2	20
4	Production	Greengram	Yellow mosaic disease and Imbalance nutrition	-	ICM in greengram	2	2	1	2	5 kg			2	10
5	Production	Finger Millet	Non availability of high yielding varieties ,Aphids and Neck blast and lodging and Imbalance nutrition	-	ICM in Finger millet	2	2	2	3	5 kg			2	10

6	Assessment of watermelon hybrids	Watermelon	Low yield due to local varieties and Incidence of watermelon bud necrosis virus	Assessment of Watermelon hybrids for higher yield	-	1	-	-	1	3 kg	-	-	*No.*	*Kg* -
7	ICM	Onion	Use of local variety i.e. Satara Gurva, Low Yield and Imbalanced nutrition	-	Integrated crop management in Onion	3	-	1	4	15 kg	-	-	2	10
8	Demonstration	Onion	Use of local variety i.e. Satara Gurva , Low Yield and Imbalanced nutrition	-	Demonstration of onion variety Bhima Shakti	2	-	1	3	10 kg	-	-	3	36
9	Demonstration	Okra	Low yield due to local varietiesand Incidence of Yellow vein mosaic virus and Jassids	-	Deomostration of Arka Nikhita Bhendi hybrid	2	1	-	3	15 kg	-	-	3	90 kg
10	ICM	Mango	• Low yield due to imbalance nutrition • Flower and fruit drop • Incidence of powdery mildew, hopper and fruit • flies	-	Integrated Crop Management in Mango	3	-	-	4	-	Arka Mango special 200 kg	-	-	-
11	Organic residues decomposition	Arecanut husk	• Improper disposal of Arecanut husk • Lack of knowledge about composting methods	Evaluation of performance of different compost cultures to decompose arecanut husk	-	-	-	-	-	-	-	-	3	12 kg + 6 kg + 9 boxes
12	INM	Arecanut	• Imbalanced nutrition, button shedding and nut splitting	-	Integrated nutrient management in Arecanut	1	-	-	5	.05(Dhaincha seeds)	-	-	1	20 kg

13	INM	Banana	• Low bunch yield due to • imbalanced application of major • and micro nutrients	-	Integrated nutrient management in Banana	1	-	-	3	.05(Dhaincha seeds)	-	-	1	20 kg
14	INM	Avare	• Low yield due to poor nutrient uptake under moisture stress	-	Integrated Nutrient Management in Avare	1	-	-	4	.10	-	-	1	10 kg
15	ICM	Red gram	• Low yield due to pod borer and leaf webber • Pigeon pea sterility mosaic and wilt disease	-	ICM in Redgram	1	-	-	5	0.3	-	-	2	10 kg
16	ICM	Bengalgram	Low yield due to pod borer and wilt disease	-	ICM in Bengalgram	1	-	-	4	1.25	-	-	2	10 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 Nano fertilizer (N & Zn) on growth and yield of groundnut	Farmer's Practice UASB IFFCO-NBRC, Gujarath	Groundnut	1	-	4	-
2	Assessment of redgram varieties for higher yield	UAS (B) UAS (R) UAS (B)	Redgram	1	-	3	-
3	ICM in groundnut	UASB	Groundnut	-	1	6	-
4	ICM in greengram	UAHS (S)	Greengram	-	1	5	-
5	ICM in Finger millet	UASB	Finger milet	-	1	5	-
6	Assessment of Watermelon hybrids for higher yield	ICAR-IIHR-Bengaluru	Watermelon	OFT	-	1	-
7	Integrated crop management in Onion	UAHS, Shivamogga and ICAR-DOGR-Pune	Onion	-	FLD	4	1 Sharing meeting
8	Demonstration of onion variety Bhima Shakti	ICAR-DOGR-Pune	Onion	-	FLD	3	-
9	Deomostration of Arka Nikhita Bhendi hybrid	ICAR-IIHR-Bengaluru	Okra	-	-	3	1 Sharing meeting
10	Integrated Crop Management in Mango	ICAR-IIHR-Bengaluru	Mango	-	FLD	3	-

11	Evaluation of performance of different compost cultures to decompose arecanut husk	UAS, Dharwad NCOF, New Delhi UAHS(S)	Arecanut husk	-	-	-	-
12	Integrated nutrient management in Arecanut	UHS (B)	Arecanut	-	-	-	Sharing meetings (2No.s)
13	Integrated nutrient management in Banana	UHS, Bagalkot and IIHR, Bangalore	Banana	-	-	-	Method demonstrations (2No.s)
14	Integrated Nutrient Management in Avare	UAS – Bangalore and IIHR, Bangalore	Avare	-	-	-	-
15	Integrated crop management in Red gram	UHS (B)	Redgram	-	FLD	1	Method demonstrations(2No.s)
16	Integrated crop management in Bengal gram	UHS (B)	Bengalgram	-	FLD	1	Method demonstrations(2No.s)

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
2	-	1	-	-	-	-	-	33	4	34	4	26	8	24	16
3	-	-	-	-	-	-	-	15	2	25	6	18	12	16	8
-	-	-	-	8	-	2	-	33	4	34	4	31	17	29	15
-	-	-	-	3	-	2	-	7	1	0	0	11	7	9	6
-	-	-	-	4	-	1	-	9	3	4	0	14	4	10	5
2	-	-	-	-	-	-	-	8	-	4	-	9	8	10	4
-	-	-	-	5	-	-	-	85	15	22	4	12	2	3	-
-	-	-	-	4	-	-	-	67	10	27	15	21	12	22	10
-	-	-	-	-	-	6	-	42	10	39	15	2	-	15	1
-	-	-	-	10	-	2	-	55	8	12	5	16	11	14	9
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	10	-	-	-	46	9	2	1	8	-	-	-
-	-	-	-	8	1	1	-	8	1	1	-	-	-	-	-
-	-	-	-	2	-	2	1	-	-	-	-	2	-	3	1
-	-	-	-	4	-	1	-	33	7	6	0	24	16	19	14
-	-	-	-	3	-	2	-	12	6	14	3	26	9	13	10

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	-	1	-	-	-	-	-	-	-	-
Varietal Evaluation	-	-	1	-	1	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Farm Mechanization	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Others Arecanut husk	-	-	-	-	-	-	-	1	-	-
Total	**-**	**1**	**1**	**-**	**1**	**-**	**-**	**1**	**-**	**-**

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	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Farm Mechanization	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-

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

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

enterprises						
Dairy	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-

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

Thematic areas	Cattle	Poultry	Piggery	Rabbit	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-
Dairy	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-

4.B. Achievements on technologies Assessed and Refined

4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technologies	No. of trials	Number of farmers / locations	Area in ha (Per trial covering all Technological Options in a farm)
Integrated Nutrient Management	Groundnut	Assessment of Nano fertilizer (N & Zn) on growth and yield of groundnut	03	03	0.6
	Arecanut husk	Evaluation of performance of different compost cultures to decompose arecanut husk	03	03	-
Varietal Evaluation	Redgram	Assessment of redgram varieties for higher yield	03	03	0.6
	watermelon	Assessment of Watermelon hybrids for higher yield	2	2	0.8
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			**11**	**11**	**0.20**

4.B.2. Technologies Refined under various Crops

Thematic areas	Crop	Name of the technologies	No. of trials	Number of farmers/locations	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

Thematic areas	Name of the livestock	Name of the technologies	No. of trials	No. of farmers/locations
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	Name of the technologies	No. of trials	No. of farmers/locations
Evaluation of breeds	-	-	-	-
Nutrition management	-	-	-	-
Disease management	-	-	-	-
Value addition	-	-	-	-
Production and management	-	-	-	-
Feed and fodder	-	-	-	-
Small scale income generating enterprises	-	-	-	-
Total	-	-	-	-

4.B.5. T**echnologies assessed under various enterprises by KVKs**

Sl.	Thematic areas	Name of the enterprise	Name of technology(s)	No. of trials	No. of locations
1	Drudgery reduction	-	-	-	-
2	Entrepreneurship Development	-	-	-	-
3	Health and nutrition	-	-	-	-
4	Processing and value addition	-	-	-	-
5	Energy conservation	-	-	-	-
6	Small-scale income generation	-	-	-	-
7	Storage techniques	-	-	-	-
8	Household food security	-	-	-	-
9	Organic farming	-	-	-	-
10	Agroforestry management	-	-	-	-
11	Mechanization	-	-	-	-
12	Resource conservation technology	-	-	-	-
13	Value Addition	-	-	-	-
14	Others	-	-	-	-

4.B.6.T**echnologies assessed under various enterprises for women empowerment**

	Thematic areas	Name of enterprise	Name of technology(s)	No. of trials	No. of locations
1	Drudgery Reduction	-	-	-	-
2	Entrepreneurship Development	-	-	-	-
3	Health and Nutrition	-	-	-	-
4	Value Addition	-	-	-	-
5	Women Empowerment	-	-	-	-
6	Others(Home science)	-	-	-	-

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	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
Groundnut	Rainfed	Lack of knowledge on Nano fertilizer and its usage ✓ Less fertilizer use efficiency	Assessment of Nano fertilizer (N & Zn) on growth and yield of groundnut	03	T_1 : 1 bag DAP (50 kg per acre) + 2 bag gypsum (100 kg per acre)at the time of sowing and no top dressing with fertilizers	Farmer's Practice	11.3	q/ha	No. of pods/plant 31	58471	30260	2.05
					T_2 : 10:20:10 NPK per acre (50% N : 100% P : 50 % K as basal and remaining 50 % N and50 % K will be applied as top dressing at 30 DAS) + Zinc Sulphate 4 kg/acre +Borax 2 kg/acre + 200 kg gypsum per acre at 30 DAS	UASB	14.8		42	78058	46103	2.49
					T_3 : 05:20:10 NPK per acre (50% N : 100% P : 50 % K as basal and 50 % K will be applied as top dressing at 30 DAS) + N & Zn Nano fertilizer foliar spray@ 4ml /lit each at 30 DAS and 55 DAS Borax 2 kg/acre + 200 kg gypsum per acre at 30 DAS	IFFCO-NBRC, Gujarath	14.2		40	74013	43833	2.45
Redgram	Rainfed	➢ Sterility mosaic and wilt problem ➢ Imbalance nutrition	Assessment of redgram varieties for higher yield	03	T1:BRG-2(Farmers practice)	UASB	7.3	q/ha	3.9	32925	16055	1.95
					T3:BRG -5	UASR	8.9		2.0	40200	22513	2.2
					T2:BSMR-736	UASB	9.3		0.0 (% sterility mosaic incidence)	41775	24002	2.35
Onion (2019-20)	Irrigated	• Low yield due to local varieties • Non availability of suitable varieties for *Rabi* season	Varietal assessment in onion for higher yield in Rabi season	3	T.O.1 (Farmers practice)	Arka Niketan	25.5	t/ha	92.3 g (Avg. bulb weight)	2,55,000	1,66,500	2.88
					T.O.2	Bhima Shakti	27.2	t/ha	97.5 g (Avg. bulb weight)	2,72,000	1,83,500	3.07
					T.O.3	Bhima Kiran	24.6	t/ha	78.6 g (Avg. bulb weight	2,46,000	1,57,500	2.77

Watermelon(2020-21)	Irrigated	• Low yield due to local varieties • Incidence of watermelon bud necrosis virus	Assessment of Watermelon hybrids for higher yield	2	T.O.1 (Farmers practice)	NS295	Yet to start in summer season (Results are awaited)					
					T.O.2	Arka Muthu						
					T.O.3	Arka Shama						
Arecanut husk	-	• Improper disposal of Arecanut husk • Lack of knowledge about composting methods	Evaluation of performance of different compost cultures to decompose arecanut husk	3	TO_1 - Composting arecanut husk by using compost culture @ 2 kg/ton	UAS, Dharwad	In progress -50 days completed					
					TO_2 - Composting the arecanut husk by using compost culture @ 100 ml/ton	NCOF, New Delhi						
					TO_3 -Composting the arecanut husk by using compost culture @ 4 kg/ton	UAHS, Shivamogga						

4. C2. Feedback on technologies assessed

Name of technology assessed	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
Assessment of Nano fertilizer (N & Zn) on growth and yield of groundnut	Nano fertilizer useful for foliar spray under drought situation	-
Assessment of redgram varieties for higher yield	BSMR-736 variety resistant to sterility mosaic	-
Varietal assessment in onion for higher yield in Rabi season	Bhima Shakti gives higher yield and good market demand	-
Evaluation of performance of different compost cultures to decompose arecanut husk	Yet to be completed	-

4.C3. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

A. Title of Technology Assessed : Varietal assessment in onion for higher yield in Rabi season

2. Performance of the Technology on specific indicators: Yield is higher over check

3.Specific Feedback from farmers: Bhima Shakti gives higher yield and good market demand

4.Specific Feedback from Extension personnel and other stakeholders: Nil

5. Feedback to Research System based on results and feedback received: Nil

6. Feedback on usefulness and constraints of technology: NIl

B. Title of Technology Assessed : Assessment of redgram varieties for higher yield

2. Performance of the Technology on specific indicators: BSMR-736 redgram variety recorded higher yield

3.Specific Feedback from farmers : Higher yield and BSMR-736 variety resistant to sterility mosaic

4.Specific Feedback from Extension personnel and other stakeholders : BSMR-736 variety resistant to sterility mosaic

5. Feedback to Research System based on results and feedback received : Short duration variety in redgram

6. Feedback on usefulness and constraints of technology

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. D2. Feedback on technologies refined

Name of technology refined	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
-	-	-

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

1. **Title of Technology Refined**- Nil
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
6. Feedback on usefulness and constraints of technology

PART V - FRONTLINE DEMONSTRATIONS (2020)

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	Rainfed	Kharif	Groundnut	TMV-2	-	ICM	1. Demonstration of seed cum fertilizer drill 2. Seed treated with Rhizobium & PSB , Biofungicide-Trichoderma @4 g/kg 3. Use of micronutrients (4 kg $ZnSo_4$) 4. RDF-10:20:10 kg NPK+ 3 t FYM/ acre + 200 kg gypsum/acre 5. 19:19:19 fertilizer (5g/l) sprayed at 35 DAS 6. Foliar spray of 0.1% borax at	4	4	2	8	5	5

								flower initiation 7. Seeds treated with Chlorpyriphos 20 EC @ 10 ml per kg seeds 8. Spray with Imidachloprid 17.8 EC @ 0.5 ml/l water 9. Spraying of Hexaconozole @ ml/l of water 10. Growing of high stature crops as barriers in all along the crop						
	Pulses	Rainfed	Khaif	Greengram	KKM-3	-	ICM	➢ Demonstration of variety-KKM-3 ➢ Seed treatment with Rhizobium , PSB @ 4 g/kg seeds ➢ Trichoderma @ 4 g/kg seeds ➢ FYM : 3 t/acre ➢ RDF : 5: 10:10 NPK kg, 4 kg $ZnSo_4$ /acre ➢ Foliar spray 19:19:19 @ 35 & 45 DAS ➢ Spray with Imidachloprid 17.8 EC @ 0.5 ml/lit water ➢ Spraying of Carbendazim @ 1g/lit of water ➢ Spraying of Quinolphos 25 EC @ 2 ml/lit of water	2	2	-	5	2	3
	2019	Rainfed	Khaif (2019)	Redgram	BRG-5	-	ICM	• Introduction of new variety BRG-5 • FYM –7.5 t/ha, N:P:K 25:50:25 kg/ha, Sulphur- 20 kg, $ZnSO_4$ –15 kg/ha, Pulse Magic 310g/l foliar spray • *Trichoderm*	2	2	1	4	4	1

								a – 5 g/kg seeds, *Rhizobium* – 500 g/ha, PSB – 500g/ha. • Pheromone traps – 10 Nos. / ha , HaNPV – 200 LE/acre. • Use of Bird perches -15 /acre • Dicofol 18.5 EC – 2.5 ml/l, Emamectin benzoate 5 SG – 0.3 g/l						
	2020	Rainfed	Kharif (2019)	Redgram	BRG-5	-	ICM	Results are awaited						
	2019	Rainfed	Rabi 2019	Bengalgram	JAKI-9218	-	ICM	• Variety – JAKI - 9218 • FYM – 7.5 t /ha, N:P:K 12.5:25:25 kg/ha. • Foliar spray 19:19:19 – 2g/l, Chickpea special 10g/l • *Trichoderma* – 4 g/kg seeds, *Rhizobium* – 500 g/ha, PSB – 500 g/ha. • Pheromone traps – 5 No.s/ha • Use of Bird perches (15 No.s/acre) • Emamectin benzoate 5SG – 0.3g/l	2	2	2	3	3	2
	2020	Rainfed	Rabi 2019	Bengalgram	JAKI-9218	-	ICM	Results are awaited						
	Cereals													
	Millets	Rainfed	Kharif	Finger	ML-36	-	ICM	• Demonstration of variety ML-365	2	2	1	4	3	2

				millet	5			• Seed treatment with Biofertilizers-Azospirillum and PSB,@ 4 g/kg Biofungicide – Trichoderma @ 4 g/kg • FYM: 3 t/acre • RDF : 20:15:16 kgNPK /acre, • Micronutrients ($ZnSO_4$ 5 kg/acre +Borax @ 4 kg/acre) • Foliar spray 19:19:19 @ 40 DAS • Spray with Imidachloprid 17.8 EC @ 0.5 ml/lit water • Spraying of Carbendazim @ 1g/lit of water						
	Vegetables	Irrigated	Kharif	Onion	Bhima Super	-	ICM	• Demonstration of Bhima Super Variety @ 4 kg/acre • Soil test based (RDF=125:75:125kg NPK / ha) application and spraying of Arka Vegetable Special @2g /l • Seed treatment with Trichoderma@ 4 g /kg • Growing of high stature crops as barriers in all along the crop IPDM practices	2	2	-	5	-	5
		Irrigated	Rabi	Onion	Bhima Shakti	-	Demonstration	•Demonstration of hybrid variety Arka Laalima @ 3.5 kg/acre •Soil test based (RDF=125:75:125kg NPK / ha) application and spraying of Arka Vegetable Special @2g /l •Seed treatment with Trichoderma@ 4 g /kg •Growing of high stature crops as barriers in all along the crop •IPDM practices	2	2	0	4	-	4
		Irrigated	Kharif	Okra	-	Arka Ni	Demonstratio	• Demonstration of Arka Nikhita hybrid	2	2	6	-	-	6

						kh ita	n	• Soil test based (RDF=125:75:63kg NPK/ha) application and • spraying of Arka Vegetable Special @ 2g /l • Use of yellow sticky traps for management of sucking pest @ 8-10 No. / ha • Growing of high stature crops as barriers in all along the crop						
		Rainfed	*Rabi*	Avare	HA-4	-	INM	FYM – 7.5 t ha^{-1} RDF - 25:50:25 kg $N:P_2O_5$: K_2O ha^{-1} + Foliar application of Arka vegetable special (2 g $litr^{-1}$)	5	5	3	2	2	3
	Flowers	-	-	-	-	-		-	-	-	-	-	-	-
	Ornamental	-	-	-	-	-		-	-	-	-	-	-	-
	Fruit	Rainfed	Rabi to Summer	Mango	Alphanso	-	ICM	• Application of RDF (730:180:680 g NPK/Plant) • Foliar application of Arka Mango Special @ 5 g/l (First Spray: Jun-Jul, Second Spray: Oct-Nov, Third Spray: Dec-Jan, Fourth Spray: Feb-Mar) • Spraying of Hexaconazole 5 EC @ 1 ml/l for powdery mildew and Imidachloprid 17.8 SL @ 0.5 ml/l for hoppers	5	5	2	10	-	10
		Irrigated	*Kharif*	Banana	Puttabale	-	INM	FYM: 5 kg/plant RDF: 175:105:220 g $N:P_2O_5:K_2O$ / plant Split application of major nutrients once in 35 days (5 times) Micronutrients foliar application (Arka banana special @ 0.5	10	10	1	9	3	7

								%) Green manuring crop – Dhaincha						
	Spices and condiments	-	-	-	-		-	-	-	-	-	-	-	-
	Commercial	-	-	-	-		-	-	-	-	-	-	-	-
	Medicinal and aromatic	-	-	-	-		-	-	-	-	-	-	-	-
	Fodder	-	-	-	-		-	-	-	-	-	-	-	-
	Plantation	Irrigated	*Kharif*	Arecanut	Bhimasamudra local	-	INM	FYM – 20 kg/plant, RDF – 100:40:140 g $N:P_2O_5:K_2O$ / plant $MgSO_4$ - 100 g/plant, Borax – 20 g/plant Green manuring crop- Dhaincha	10	10	0	10	4	6
	Fibre	-	-	-	-		-	-	-	-	-	-	-	-
	Dairy	-	-	-	-		-	-	-	-	-	-	-	-
	Poultry	-	-	-	-		-	-	-	-	-	-	-	-
	Rabbitry	-	-	-	-		-	-	-	-	-	-	-	-
	Piggery	-	-	-	-		-	-	-	-	-	-	-	-
	Sheep and goat	-	-	-	-		-	-	-	-	-	-	-	-
	Duckery	-	-	-	-		-	-	-	-	-	-	-	-
	Common carps	-	-	-	-		-	-	-	-	-	-	-	-
	Mussels	-	-	-	-		-	-	-	-	-	-	-	-
	Ornamental fishes	-	-	-	-		-	-	-	-	-	-	-	-
	Oyster mushroom	-	-	-	-		-	-	-	-	-	-	-	-
	Button mushroom	-	-	-	-		-	-	-	-	-	-	-	-
	Vermicompost	-	-	-	-		-	-	-	-	-	-	-	-
	Sericulture	-	-	-	-		-	-	-	-	-	-	-	-
	Apiculture	-	-	-	-		-	-	-	-	-	-	-	-
	Implements	-	-	-	-		-	-	-	-	-	-	-	-
	Others (specify)	-	-	-	-		-	-	-	-	-	-	-	-

5.A. 1**. Soil fertility status of FLDs plots, if analyzed**

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
1	Oil seeds	Rainfed	Kharif 2020	Groundnut	TMV-2	-	ICM	1. Demonstration of seed cum fertilizer drill 2. Seed treated with Rhizobium & PSB , Biofungicide- Trichoderma @4 g/kg 3. Use of micronutrients (4 kg $ZnSo_4$) 4. RDF-10:20:10 kg NPK+ 3 t FYM/ acre + 200 kg gypsum/acre 5. 19:19:19 fertilizer (5g/l) sprayed at 35 DAS 6. Foliar spray of 0.1% borax at flower initiation 7.Seeds treated with Chlorpyriphos 20 EC @ 10 ml per kg seeds 8. Spray with Imidachloprid 17.8 EC @ 0.5 ml/l water 9. Spraying of Hexaconozole @ ml/l of water 10. Growing of high stature crops as barriers in all along the crop	Kharif 2020	M	M	H	Finger millet
2	Pulses	Rainfed	Kharif 2020	Greengram	KKM-3	-	ICM	➢ Demonstration of variety- KKM-3 ➢ Seed treatment with Rhizobium , PSB @ 4 g/kg seeds ➢ Trichoderma @ 4 g/kg seeds ➢ FYM : 3 t/acre ➢ RDF : 5: 10:10 NPK kg, 4 kg $ZnSo_4$ /acre ➢ Foliar spray 19:19:19 @ 35 & 45 DAS ➢ Spray with Imidachloprid 17.8 EC @ 0.5 ml/lit water ➢ Spraying of Carbendazim @ 1g/lit of water ➢ Spraying of Quinolphos 25 EC @ 2 ml/lit of water	Kharif 2020	M	M	H	Groundnut
		Rainfed	Kharif 20	Redgram	BRG-5	-	ICM	• Introduction of new variety BRG-5	Kharif 2019	M	M	H	Finger mill

			19					• FYM –7.5 t/ha, N:P:K 25:50:25 kg/ha, Sulphur- 20 kg, $ZnSO_4$ – 15 kg/ha, Pulse Magic 10g/l foliar spray • *Trichoderma* – 5 g/kg seeds, *Rhizobium* – 500 g/ha, PSB –500g/ha. • Pheromone traps – 10 Nos. / ha , HaNPV – 200 LE/acre. • Use of Bird perches -15 /acre • Dicofol 18.5 EC – 2.5 ml/l, Emamectin benzoate 5 SG – 0.3 g/l					et
		Rainfed	Rabi 2019	Bengalgram	JAKI-9218	-	ICM	• Variety – JAKI – 9218 • FYM – 7.5 t /ha, N:P:K 12.5:25:25 kg/ha. • Foliar spray 19:19:19 – 2g/l, Chickpea special 10g/l • *Trichoderma* – 4 g/kg seeds, *Rhizobium* – 500 g/ha, PSB – 500 g/ha. • Pheromone traps – 5 No.s/ha • Use of Bird perches (15 No.s/acre) • Emamectin benzoate 5SG – 0.3g/l	Rabi 2019	M	M	H	Onion
	Cereals	-	-	-	-	-	-	-	-	-	-	-	-
3	Millets	Rainfed	Kharif 2020	Finger millet	ML-365	-	ICM	• Demonstration of variety ML-365 • Seed treatment with Biofertilizers-Azospirillum and PSB,@ 4 g/kg Biofungicide – Trichoderma @ 4 g/kg • FYM: 3 t/acre • RDF : 20:15:16 kgNPK /acre,	Kharif 2020	L	M	M	Groundnut

								• Micronutrients ($ZnSO_4$ 5 kg/acre +Borax @ 4 kg/acre) • Foliar spray 19:19:19 @ 40 DAS • Spray with Imidachloprid 17.8 EC @ 0.5 ml/lit water • Spraying of Carbendazim @ 1g/lit of water					
4	Vegetables	Irrigated	Kharif	Onion	Bhima Super	-	ICM	• Demonstration of Bhima Super Variety @ 4 kg/acre • Soil test based (RDF=125:75:125kg NPK / ha) application and spraying of Arka Vegetable Special @2g /l • Seed treatment with Trichoderma@ 4 g /kg • Growing of high stature crops as barriers in all along the crop IPDM practices	Kharif	L	M	H	Finger millet
5		Irrigated	Kharif	Onion	-	-	Demonstration	•Demonstration of hybrid variety Arka Laalima @ 3.5 kg/acre •Soil test based (RDF=125:75:125kg NPK / ha) application and spraying of Arka Vegetable Special @2g /l •Seed treatment with Trichoderma@ 4 g /kg •Growing of high stature crops as barriers in all along the crop •IPDM practices	Rabi	L	M	H	Ground nut
6		Irrigated	Kharif	Okra	-	Arka Nikhita	Demonstration	• Demonstration of Arka Nikhita hybrid • Soil test based (RDF=125:75:63kg NPK/ha) application and • spraying of Arka Vegetable Special @ 2g /l • Use of yellow sticky traps for management of sucking pest @ 8-10 No. / ha • Growing of high stature crops as barriers in all along the crop	Kharif	L	M	H	Beans
7		Rainfed	*Rabi*, 2020	Avare	HA-4	-	INM	FYM – 7.5 t ha^{-1} RDF - 25:50:25 kg $N:P_2O_5 : K_2O$ ha^{-1} + Foliar	*Rabi*, 2020	L	M	H	Maize, Ragi,

								application of Arka vegetable special (2 g $litr^{-1}$)					Beans
	Ornamental	-	-	-	-		-	-	-	-	-	-	-
8	Fruit	Irrigated	*Kharif*, 2020	Banana	Puttabale	-	INM	FYM: 5 kg/plant RDF: 175:105:220 g $N:P_2O_5:K_2O$ / plant Green manuring crop – Dhaincha Split application of major nutrients once in 35 days (5 times) Micronutrients foliar application (Arka banana special @ 0.5 %)	*Kharif*, 2020	M	M	H	Banana
	Spices and condiments	-	-	-	-		-	-	-	-	-	-	-
	Commercial	-	-	-	-		-	-	-	-	-	-	-
	Medicinal and aromatic	-	-	-	-		-	-	-	-	-	-	-
	Fodder	-	-	-	-		-	-	-	-	-	-	-
9	Plantation	Irrigated	*Kharif*, 2020	Arecanut	Bhimasamudra local	-	INM	FYM – 20 kg/plant, RDF – 100:40:140 g $N:P_2O_5:K_2O$ / plant $MgSO_4$ - 100 g/plant, Borax – 20 g/plant Green manuring crop- Dhaincha	*Kharif*, 2020	M	M	H	Arecanut
	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)	Economics of Check (Rs./ha)

							Demo			Check		Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
							H	**L**	**A**								
Oilseeds	ICM in ground nut	TMV-2		Rain fed	10	4	13.6	14	13.8	10.7	22.5	71829	41106	2.34	56299	28011	1.99
Pulses																	
	ICM in greengram	KKM-3		Rain fed	5	2	6.8	7.3	7.1	5.3	25.3	42480	26126	2.60	32040	18034	2.29
2019-20	ICM in Redgram	BRG-5	-	Rain fed	5	2	Vitiated due to drought condition										
2020-21	ICM in Redgram	BRG-5	-	Rain fed	5	2	Result awaited										
2019-20	ICM in Bengal gram	JAKI - 9218		Rain fed	5	2	20.6	12.5	15.5	12.1	**27.60**	58083	37654	2.84	45515	26298	2.36
2020-21	ICM in Bengal gram	JAKI - 9218		Rain fed	5	2	Result awaited										
Cereals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Millets	ICM in finger millet	ML-365		Rain fed	5	2	16.8	17.8	17.3	12.4	28.4	50170	31738	2.72	35921	19333	2.17
Vegetables	ICM	Bhima Super	-	Irrigated	5	2	259.0	245.0	252.0	192.5	23.61	471133.33	371800.00	4.74	340000.00	247333.33	3.67
	Demonstration	Bhima Shakti	-	Irrigated	4	1.6	Crops at bulb stage (Results are awaited)										
2019	INM in Avare	HA-4	-	*Rabi*	10	4	7.5	6.75	7.13	5.78	18.93	1,71,000	86,075	2.01	1,38,600	64,575	1.68
2020	INM in Avare	HA-4	-	*Rabi*	5	2	Pod development stage										
Flowers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruit	Integrated crop management in Mango (2019-20)	Alphanso	-	Rain fed	12	5	51.3	43.9	47.8	35.8	25.10	1,36,900	1,01,700	3.88	1,00,240	70240	3.34
	Integrated crop management in Mango (2020-21)	Alphanso	-	Rain fed	12	5	Crop at fruit set stage (Results are awaited)										
2019	INM in Banana	Puttabale	-	*Kharif*	10	4	16 (t/ha)	12 (t/ha)	14.15 (t/ha)	10.45 (t/ha)	25.17	7,64,100	4,67,350	2.57	5,11,200	2,86,950	2.28
2020	INM in Banana	Puttabale	-	*Kharif*	10	4	9^{th} month crop										

Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fibre crops like cotton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plantation(2020)	INM in Arecanut	Bhimas amudra local	-	*Kharif*	10	4	18.75	15	15.25	12.50	18.03	4,43,750	2,74,625	2.63	3,62,500	1,90,813	2.13
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
ICM in groundnut • Number of pods/ plant	30	23
ICM in greengram% • Yellow mosaic	2.2	4.1
ICM in finger millet • % Neck blast	2.7	4.3
ICM in onion • Plant height (cm) • Days to harvest (days) • Purple blotch incidence (%) • Bulb rot (%)	 58.0 120 8.5 13.9	 53.7 115 10.8 16.1
Demonstration of Arka Nikhita bhendi hybrid for higher yield • Plant height • Leaf hopper (no/leaf) • YVMV	 127.0 8.0 Nil	 118.7 14.0 Nil
NM in Avare (2019) • Plant ht. (cm) • Pods per plant (No.)	 78.3 78	 70.5 61
INM in Banana (2019) • Bunch weight (kg) • No. of fruits / bunch (No.)	 14.8 127.2	 11.6 113.8
INM in Arecanut (2020) • No. of nuts drop per palm • No. of nut splitting per palm	 10 6	 18 12

5. B2. Feedback on technologies demonstrated

Name of technology demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
ICM in groundnut	Optimum plant population maintain leads to higher yield	-
ICM in greengram	KKM -3 variety is tolerant to Yellow mosaic	-
ICM in finger millet	ML-365 variety is tolerant to Neck blast	-
ICM in Onion	Bhima super give higher yield over the Stara Gurva	-
INM in Arecanut	Soil test based nutrient management reduced nut drop and nut splitting	-
INM in Banana	Soil and foliar application of fertilizers leads to higher yield	-
NM in Avare	Soil and foliar application of fertilizers leads to higher yield	-

5.B.3. 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbitry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pigerry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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

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. B4. Feedback on livestock technologies demonstrated

Name of livestock technology demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
-	-	-

5.B.5. 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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. B6. Feedback on fisheries technologies demonstrated

Name of fisheries technology demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
-	-	-

5.B.7. 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)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* 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. B8. Feedback on enterprises demonstrated

Name of enterprise demonstrated	**Useful characters as well as constraints of technology**	**Socio-economic as well as administrative constraints for its adoption**
-	-	-

5.B.9. 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 labour saved (viz., reduction in drudgery, time etc.)

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

5. B10. Feedback on farm implements demonstrated

Name of farm implement demonstrated	**Useful characters as well as constraints of technology**	**Socio-economic as well as administrative constraints for its adoption**
-	-	-

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

Sl.No.	Activity	No. of activities organised	Number of participants	Remarks
1	Field days	12	376	
2	Farmers Training	23	883	
3	Media coverage	4	-	
4	Training for extension functionaries	Nil	-	
5	Others (Please specify)			

PART VI – DEMONSTRATIONS ON CROP HYBRIDS (2020)

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	Demonstration of Arka Nikhita hybrid for higher yield in Okra	Arka Nikhita	6	2	165.0	152.0	158.5	120.0	24.29	434366.66	339866.66	4.58	296166.67	207333.33	3.33
Bottle gourd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Capsicum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	6	2	165.0	152.0	158.5	120.0	24.29	434366.66	339866.66	4.58	296166.67	207333.33	3.33
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

Feedback on crop hybrids demonstrated

Name of crop hybrid demonstrated	**Useful characters as well as constraints of technology**	**Socio-economic as well as administrative constraints for its adoption**
Arka Nikhita	**Pods are dark green and good market demand**	**-**

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	8	115	24	139	102	24	126	217	48	265
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/Irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	1	10	2	12	22	2	24	32	4	36
Soil and Water Conservation										
Integrated Nutrient Management	1	9	3	12	4	0	4	13	3	16

Production of organic inputs	1	30	5	35	10	5	15	40	1	50
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	2	29	7	36	7	2	9	36	9	45
Off-season vegetables	1	20	-	20	8	-	8	28	-	28
Nursery raising	-	-	-	-	-	-	-	-	-	-
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) Importance of Nutrigarden	1	-	35	35	0	29	-	-	64	64
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
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	1	7	1	8	0	0	0	7	1	8
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	1	27	2	29	6	0	6	33	2	35
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	1	8	0	8	43	0	43	51	0	51
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and water testing	1	29	6	35	0	0	0	29	6	35
Others (pl.specify) Organic farming	1	41	8	49	5	4	9	46	12	58
Livestock Production and Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery production	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
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	1	15	1	16	3	0	3	18	1	19
Integrated Disease Management	1	24	0	24	4	0	4	24	4	28
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
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)	-	-	-	-	-	-	-	-	-	-
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	**22**	**364**	**94**	**458**	**214**	**66**	**251**	**574**	**155**	**738**

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	1	12	10	22	6	2	8	18	12	30
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	2	28	7	35	5	3	8	33	10	43
Crop Diversification	4	59	7	66	66	8	74	125	15	140
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/Irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	3	33	42	75	10	12	22	43	54	97
Soil and Water Conservation	1	22	2	24	3	3	6	25	5	30
Integrated Nutrient Management	2	29	6	35	13	4	17	42	10	52
Production of organic inputs	1	25	0	25	7	0	7	32	0	32
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)- Nutri garden	5	62	16	78	32	12	44	94	28	122
b) Fruits	-	-	-	-	-	-	-	-	-	-
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) ICM in Mango	2	30	0	30	0	0	0	30	0	30
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	1	59	16	75	15	2	17	74	18	92
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-

Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and water testing	1	8	2	10	3	17	20	11	19	30
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery production	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
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	2	68	8	76	11	0	11	79	8	87
Integrated Disease Management	3	82	12	94	17	1	18	99	13	112
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-

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)	-	-	-	-	-	-	-	-	-	-
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	**28**	**517**	**128**	**645**	**188**	**64**	**252**	**705**	**192**	**897**

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	-	-	-	-	-	-	-	-	-	-
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.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	2	88	22	110	12	0	12	100	22	122
Integrated Pest Management										
Integrated Nutrient management	1	13	3	16	4	1	5	17	4	21
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	-	-	-	-	-	-	-	-	-	-
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	**3**	**101**	**25**	**126**	**16**	**1**	**17**	**117**	**26**	**143**

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	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-
1.b.	Commercial production of vegetables	-	-	-	-	-	-	-	-	-	-
2	**Production and value addition**	-	-	-	-	-	-	-	-	-	-
2.a.	Fruit Plants	-	-	-	-	-	-	-	-	-	-
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	**Others (pl.specify)**	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-

Details of sponsoring agencies involved- Nil

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	-	-	-	-	-	-	-	-	-	-
3.b.	Composite fish culture	-	-	-	-	-	-	-	-	-	-
3.c.	Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
3.d.	Piggery	-	-	-	-	-	-	-	-	-	-
3.e.	Poultry farming	-	-	-	-	-	-	-	-	-	-
3.f.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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	15	260	80	340	124	75	199	32	10	42
Kisan Mela	-	-	-	-	-	-	-		-	-
Kisan Ghosthi	-	-	-	-	-	-	-		-	-
Exhibition	2	1050	40	1090	945	60	1050	22	12	34
Film Show	9	198	37	235	64	17	81	9	3	12
Method Demonstrations	40	152	36	188	130	44	174	34	20	54
Farmers Seminar	-	-	-	-	-	-	-		-	-
Workshop	-	-	-	-	-	-	-		-	-
Group meetings	11	62	30	92	45	22	67	28	9	37
Lectures delivered as resource persons	52	530	210	740	412	52	464	120	22	142
Newspaper coverage	9	-	-	-	-	-	-	-	-	-
Radio talks	17	-	-	-	-	-	-	-	-	-
TV talks	1	-	-	-	-	-	-	-	-	-
Popular articles	8	-	-	-	-	-	-	-	-	-
Extension Literature	4	-	-	-	-	-	-	-	-	-
Advisory Services	3367	1553	420	1973	1030	322	1352	26	16	42
Scientific visit to farmers field	242	260	52	312	188	55	243	240	22	262

Farmers visit to KVK	4372	1749	437	2186	1312	437	1749	350	87	437
Diagnostic visits	7	10	5	15	15	5	20	28	4	32
Exposure visits	-	-	-	-	-	-	-	-	-	-
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-
Soil health Camp	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	-	-	-	-	-	-	-	-	-	-
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns										
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-		-
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-		-
Celebration of important days (specify)	31	780	75	855	406	66	472	103	21	124
Any Other (Specify)										
Total	**8187**	**6604**	**1422**	**8026**	**4671**	**1155**	**5871**	**992**	**226**	**1218**

8.2 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
Jal Shakti Abhiyan	21-1-2020	13	3	16	9	1	10	5	2	7
	21-1-2020	10	2	12	7	1	8	4	0	4
	21-1-2020	7	1	8	5	1	6	3	1	4
	24-1-2020	26	5	31	18	3	21	2	2	4
	27-1-2020	22	4	26	15	2	17	2	2	4
	30-1-2020	28	6	33	19	3	22	4	0	4
Fertilizer Use Awareness Campaign	23-2-2020	61	12	73	43	6	49	6	4	10
National Animal Disease Control Programme	-	0	0	0	0	0	0	-	-	-
Tree Plantation Campaign	22-5-20	23	5	27	16	2	18	12	6	18
	6-6-20	18	4	21	12	2	14	10	5	15
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	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	-	-	-	-	-
Oilseeds	-	-	-	-	-
Pulses	Bengalgram	JAKI-9218	25.5 qt	1,42,800	Handed over to KSSC, Sira
Commercial crops	-	-	-	-	-
Vegetables	-	-	-	-	-
Flower crops	-	-	-	-	-
Spices	-	-	-	-	-
Fodder crop seeds	Fodder Jowar	COFS-31	154 kgs	69,300	115
Fiber crops	-	-	-	-	-
Forest Species	-	-	-	-	-
Others (specify)	-	-	-	-	-
Green manure crops	Sunhemp	-	30 kgs	2,100	1
Total				**2,14,200**	**116**

9.B. Production of hybrid seeds by the KVKs

Crop category	Name of crop	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
-	-	-	-	-	-
-	-	-	-	-	-
Total	-	-	-	-	-

9.C. Production of planting material by the KVKs

Crop category	Name of the crop	Variety	Number	Value (Rs.)	Number of farmers to whom provided
Commercial	-	-	-	-	-
Vegetable seedlings	Drumstick	PKM-1	517	7,755	8
Fruits	Jamun Plants	Jambo clone	117	5,850	14
Ornamental plants	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-
Plantation	Coconut	Tiptur Tall	2631	1,84,170	70
	Arecanut	Bheemasamudra Local	1860	46500	9
Spices	Curry leaf	Suhasini	55	825	12
Tuber					
Fodder crop saplings					
Forest Species	Tamarind	Local	461	9,220	12
	Mahaghani	---	106	3,180	4
Citrus	lemon	Local	4	60	2
Total			5751	2,57,560	131

9.D. Production of hybrid planting materials by the KVKs

Crop category	Name of crop	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
-	-	-	-	-	-
-	-	-	-	-	-
Total	-	-	-	-	-

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	-	-	-	-
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: **Nil**

(B) Literature developed/published

Item	Number
Research papers- International	-
Research papers- National	3
Technical reports	5
Technical bulletins	-
Popular articles - English	-
Popular articles – Local language	8
Extension literature	3
Others (Pl. specify)	-
TOTAL	**19**

10.B. Details of Electronic Media Produced

S. No.	Type of media	Title	Details
1	CD / DVD	**-**	**-**
2	Mobile Apps	**-**	**-**
3	Social media groups with KVK as Admin	**2**	**KVK Farmers group** **Nutri garden group**
4	Facebook account name	**KVK Chitradurga**	-
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).

1. Title : Spread of technology in introduction of Finger millet variety ML-365 in Chitradurga district

Background : Finger millet is one of the most important food crop of Chitradurga district. It is cultivated in an area of **44901**ha with a total production of **91437** MT and average productivity of 1540 kg/ha. But yields obtained by farmers in the region are lower due to several reasons.

The problem analysis revealed that the lower yields were due to imbalanced nutrient management, non-application of bio fertilizers, lack of knowledge on split application of fertilizers, micronutrients, stem borer ,neck blast and use of old varieties. To overcome these problems we have planned to conduct front line demonstrations and method demonstration in finger

millet through KVK. To create awareness and spread technology through trainings, news paper and radio. The main aim of KVK is to suggested to combined use of organic manures, bio fertilizers, macro and micronutrient, bio-pesticide, insecticides would go a long way in maximizing production per unit area, without affecting the soil productivity and encourage natural enemies.

Interventions: Process : Technology

The front line demonstrations were conducted in Chitradurga district during 2014-15, 2014-15, 2015-16 and 2016-17 to study on **"Introduction of Finger millet variety ML-365 in Chitradurga"**. This study comprised of two plots as demo and check plot and demonstrated in 20 farmer's field with ML-365 variety. The application of organic manures (7.5 t/ha), bio-fertilizers (500 g/ha seeds), $ZnSO_4$ (10 kg/ha), recommended dose of fertilize (50:40:25 NPK kg/ha) along with IPDM measures were followed in demo plot as compared to check plots (applied only inorganic fertilizer 50 kg Urea).

Impact

Horizontal Spread: During the first year, only five farmers were grown adoption of this variety. After the continuous efforts, enthusiasm and dedication of KVK scientists it spread around 4250 farmers of the district with tune of 10.3 per cent adoption in the district within three years. To create awareness on this technology through conducted twenty on and off campus training programmes during implementation period.

Economic gains: The improved technology recorded higher grain yield yield (18.7 q ha^{-1}) with tune of 27 per cent over existing technology. (13.7 q ha^{-1}). The income before and after adaption of these technologies were Rs. 31715 /ha and 42670, respectively. Due to introduction of new variety, stem borer and neck blast incidence were less in ML-365 as compared local variety.

Employment Generation : Nearly 4250 farmers are involved in cultivation of finger millet variety ML-35

Figure : Yield and net returns of finger millet as influenced different varieties

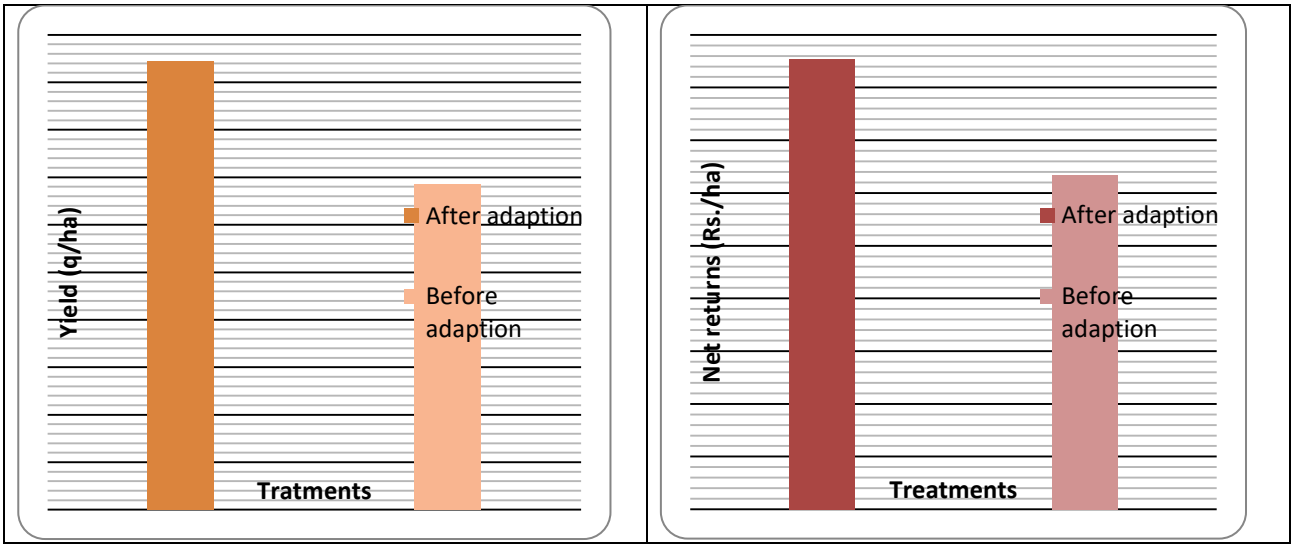


Photo galleries

10.D. Give details of Innovative Methodology or Innovative Approach of Transfer of Technology developed and used during the year

Nil

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
-	-	-	-	-

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

1. Dr. Jyothi T.V. is awarded as NESA Scientist of the year 2020 by National Environmental Science Academy, New Delhi during the year 2020.

PART XI – SOIL AND WATER TEST

11.1 Soil and Water Testing Laboratory

A. Status of establishment of Lab :

1. Year of establishment : **January 2006**
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost	Status
	For current year it is nil	-	-	-
Total				

B. Details of samples analyzed since establishment of SWTL:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	**19948**	**17626**	**11642**	**8,08,840**
Water Samples	**18328**	**16852**	**11141**	**14,67,760**
Plant samples	**-**	**-**	**-**	**-**
Manure samples	**-**	**-**	**-**	**-**
Others (specify)	**-**	**-**	**-**	**-**
Total	**38276**	**34478**	**22783**	**22,76,600**

C. Details of samples analyzed during the 2020:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages
Soil Samples	**1396**	**1213**	**172**
Water Samples	**1134**	**1049**	**161**
Plant samples	**-**	**-**	**-**
Manure samples	**-**	**-**	**-**
Others (specify)	**-**	**-**	**-**
Total	**2530**	**2262**	**333**

11.2 Mobile Soil Testing Kit

A. Date of purchase and current status

Mobile Kits	Date of purchase	Current status
1.	**Nil**	**Nil**
2.	**Nil**	**Nil**

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

	During 2019	During 2020	Cumulative progress (Total)
Samples analyzed (No.)	**Nil**	**Nil**	**Nil**
Farmers benefited (No.)	**Nil**	**Nil**	**Nil**
Villages covered (No.)	**Nil**	**Nil**	**Nil**

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	**27-11-2020 to 31 12-2020**	**77**	**145**	**151**	**151**
Mobile Soil Testing Kit	**Nil**	**Nil**	**Nil**	**Nil**	**Nil**

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.)
	34	**10**	**-**	**-**	**10**	**1**

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)
ICM in groundnut	50	19	26709	35511
Introduction of little millet variety DHLM-36-3 for higher yield	5	8	11540	16609
Popularisation of greengram variety KKM-3 for higher yield	25	8	8998	12676
ICM in Onion	25	11	4,17,833	2,78,500

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

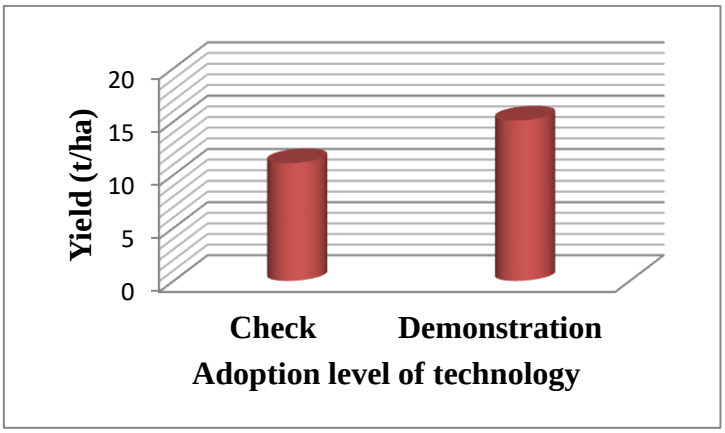
12.B. Cases of large scale adoption (Please furnish detailed information for each case with suitable photographs)

Nil

12.C. Details of impact analysis of KVK activities carried out during the reporting period

Impact study: Spread of technology of integrated nutrient management in Banana in Chitradurga

Banana is a major growing fruit crop in Chitradurga district. The bunch yield was low in banana due to imbalanced application of major and micro nutrients. Hence, the split application of recommended dose of fertilizers once in 35 days and foliar application of secondary and micronutrients through Arka banana special helps in increased uptake of nutrients to get higher and quality yield. The present demonstration was taken up at Madadakere village, Hosadurga taluk by selecting 10 farmers.



Impact:

The technology has been disseminated to 2390 ha of area covering over 3800 farmers in all taluks of Chitradurga District. The integrated nutrient management (Application of FYM, soil application of RDF and foliar application of Arka banana special) approach in Banana has increased the yield up to 25.17 % over check. The farmers opined that they gained knowledge on use of arka banana special to increase the bunch weight and yield. The application of FYM and RDF improved the soil fertility.

PART XIII - LINKAGES

13A. Functional linkage with different organizations

Name of organization	Nature of linkage
Department of Agriculture, Chitradurga	• Extension activities(conducting *Kharif* Campaigns , seminars, workshops) , Large scale demonstration , Agri. Inputs . • Transfer of technologies through extension functionaries for large scale adoption
Department of Horticulture, Chitradurga	• Extension activities(conducting *Kharif* Campaigns , seminars, workshops) , Large scale demonstration , Horti. inputs. • Transfer of technologies through extension functionaries for large scale adoption
AIR Chitradurga	• Dissemination of technology through radio programmes , farm advisories, forecast
Karnataka Agriculture price commission	• Pilot project on enhancement of farmers income through IFS approach
NABARD	• Technologies transferred to FPO's of Chitradurga (Coconut and onion)
Animal Husbandry	• Conducting animal health camp and trainings
Department of forestry	• Awareness trainings and Vanamahostava

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.)
Field day on Coconut	April 2020	CDB, Bangalore	37,500
Conducting FPO demonstration programme at Sira taluk	23-7-2018	GoK	3,09,750
Conducting FPO demonstration programme at Hosadurga taluk	1-8-2018	GoK	3,09,750
Conducting FPO demonstration programme at Sirigere, Chitradurga taluk	17-7-2018	GoK	3,09,750
Conducting FPO demonstration programme at Hiriyur , Chitradurga	11-9-2019	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**	FPO, Soil health day , Best farmer selection (state & district)	**4**	-	-
02	**Research projects**	Nil			
03	**Training programmes**	Resource person in training programmes on ICM in Ragi, redgram , Bengalgram and Millets	**4**	-	-
04	**Demonstrations**	Seed treatment , enriched compost	**2**		
05	**Extension Programmes**	-	-	-	-
	Kisan Mela	-	-	-	-
	Technology Week	-	-	-	-
	Exposure visit	-	-	-	-
	Exhibition	-	-	-	-
	Soil health camps	-	-	-	-
	Animal Health Campaigns	-	-	-	-
	Others (Pl. specify) Field day	Field day on ICM in Ragi, redgram , Bengalgram and Millets	**4**		
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	No of Advisories	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	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-	-	-
April	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-
August	-	-	-	-	-	-	-	-	-	-
September	-	-	-	-	-	-	-	-	-	-
October	-	-	-	-	-	-	-	-	-	-
November	-	-	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-

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	Vermicompost	2016	25*3*3 (2 units)	-	-	6 Ton/year			Utilized for KVK Farm
2	Mango mother block	2018	10 guntas	Arka Udaya, Sindhura, Mallika, Totapuri,Banganapalli	-	-	-	-	3 years old
3	Farm pond	2016	(21*21*4) m	-	-				Utilized for KVK Farm
4	Agro forestry	2005	0.4 ha	Local teak + intercrop	-	-	-	-	16 years old

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									
Fodder crop seeds	22-8-2020	15-1-2021	0.2	COFS-31	-	100 Kgs	10,000	65,000 (Anticipated)	Kept for sale at KVK
Pulses									
Bengalgram	18-10-2020	27-1-2021	3.2	JAKI-9218	Certified	25.5 qt	55,000	1,42,800	Handed over to KSSC, Sira
Oilseeds	-	-	-	-	-	-	-	-	-
Fibers	-	-	-	-	-	-	-	-	-
Spices & Plantation crops									
Floriculture	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	-	-
Others (specify)									
Sunhemp	25-10-2020	21-12-2020	0.1	-	-	30 Kgs	1000	2,100	Kept for sale at KVK
-									

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
-	-	-	-	-	-

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

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	Farmers database	Created
2	SMS farmers database	Created
3	Soil and water testing	Created
4	Crop wise farmers	Created
5	Soil water analysis data	Created

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

Amount sanction (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		
-	-	Farm pond Drip & sprinkler	5	-	-	162	26	1764	0.5 ha

PART XV – SPECIAL PROGRAMMES

15.1 Paramparagath Krishi Vikas Yojana (PKVY)

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(kg/ha)	Aval. P(kg/ha)	Aval. K(kg/ha)	OC %						Cost of cultivation (Rs/ha)	Net returns (Rs/ ha)
1	Mayadanahole, Hiriyur Tq.	205	63.7	271	0.42	Vermicopost/FYM/Jeevamrutha/Biodigestor	Arecanut	Local	FYM enrichment with Trichoderma, Pseudomonas , PSB	15.6	55,000	3,00,000
2							Coconut	Local	FYM enrichment with Trichoderma, Pseudomonas , PSB	60 nuts /tree	4,500	25,345
3							Finger millet	ML-365	Trichoderma/PSB	15.8	16850	22300
4							Groundnut	TMV-2	Trichoderma/PSB	12.3	29600	30200

15.2 District Agriculture Meteorological Unit (DAMU)

	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	-	-	-	-	-

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
Karnataka	KVK Chitradurga	Fertilizer application awareness programme at Devaramarikunte, Kasaba Hobli, Challakere taluk on 23-2-2020	7	115	122

15.4 Seed Hub

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

15.5 CFLD on Oilseeds:

Sl.No.	Crop	Varieties demonstrated and check	Allocated		Implemented	
			Area (ha)	Demos (No.)	Area (ha)	Demos (No.)
-	-	-	-	-	-	-
	Total	-	-	-	-	-

15.6 CFLDs on Pulses:

Sl.No.	Crop	Varieties demonstrated and check	Allocated		Implemented	
			Area (ha)	Demos (No.)	Area (ha)	Demos (No.)
1.	Redgram	BRG-5	16	40	16	40
	Total	**BRG-5**	**16**	**40**	**16**	**40**

15.7 Krishi Kalyan Abhiyan

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

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
Jal Shakthi Abhiyan	21-1-2020	13	3	16	9	1	10	5	2	7
Jal Shakthi Abhiyan	21-1-2020	10	2	12	7	1	8	4	0	4
Jal Shakthi Abhiyan	21-1-2020	7	1	8	5	1	6	3	1	4
Jal Shakthi Abhiyan	24-1-2020	26	5	31	18	3	21	2	2	4
Jal Shakthi Abhiyan	27-1-2020	22	4	26	15	2	17	2	2	4
Jal Shakthi Abhiyan	30-1-2020	28	6	33	19	3	22	4	0	4

15.9 Tribal Sub-Plan (TSP)

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, manure 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	Frontline demos	Mobile agro-advisory to farmers						
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

15.10 SCSP

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, manure 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	Frontline 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
48	6	8	-	-	3	y	y	y	y	y	y	y	y

15.13 KSHAMTA

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

15.14 DFI

Sl. No	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)
1	Chitradurga	Challakere	Haligondanahally	50	26,800	Groundnut	ICM in groundnut	13095	41106
						Finger millet	ICM in Finger Millet	12405	31738

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 (General)	Canara Bank	Hiriyur	0867	Senior Scientist & Head	0867101024602	572015302	CNRB0000867
With KVK (RF)	Canara Bank	Hiriyur	0867	Senior Scientist & Head	0867101024962	572015302	CNRB0000867

16B. Utilization of KVK funds during the year 2020-21(Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	121.00	64.63	92.40
2	**Traveling allowances**	1.50		0.84
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.75		1.83
B	POL, repair of vehicles, tractor and equipments	2.25		2.20
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1.00		0.39
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.35		0.26
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2.93		2.11
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.45		0.14
G	Training of extension functionaries	0.25		0
	Extension Activities	0.25		0.13
H	Soil & water testing & issue of soil Health cards	0.25		0.19
I	Maintenance of buildings	0.25		0.23
	Nutrigardens	0.25		0.24
J	Library	0.05		0.03
TOTAL (A)		**133.53**	**64.63**	**100.99**
B. Non-Recurring Contingencies				
1	**Works**	-	-	-
2	**Equipment including SWTL & Furniture**	-	-	-
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	-	-	-
4	**Library** (Purchase of assets like books & journals)	-	-	-
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**133.53**	**64.63**	**100.99**

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 31stDecember of each year
January to December 2018	15.12	7.12	10.68	11.56
January to December 2019	11.56	12.22	14.54	9.24
January to December 2020	9.24	10.37	7.71	11.90

17. Details of HRD activities attended by KVK staff

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Mrs. Kavitha P.Naik	Programme Assistant (Computer)	Web development and Social	DE, UAHSS	11-06-2020 & 24-6-2020
Dr Prakash Kerure	Scientist (Horticulture)	Production technology of oilpalm cultivations	IIOPR, Peduvegi, Andra Pradesh	5-10-2020 to 9-10-2020 (5days)
Dr. Onkarappa	Sr. Scientist and Head	Importance of Apiculture in Agriculture	EEU Madikeri	09-09-2020
Dr. Onkarappa	Sr. Scientist and Head	Managemnet of Army worm in Maize	UAHS S	10-09-2020
Dr. Onkarappa	Sr. Scientist and Head	Fruit fly : Surveillance and Management	NIPHM ,Hydrabadh	20-9-2020 to 25-9-2020
Mrs. Kavitha P.Naik	Programme Assistant (Computer)	Full stack web development	IIT Roorkee's	1-10-2020 to 14-10-2020
Dr. Prakash Kerure	Scientist (Horticulture)	PM-FME scheme (Training of trainers in processing of fruits and vegetables for district level trainees of Kartnataka state	CSIR-CFTRI, Mysore	(17-18 Dec, 21-24 Dec and 28-29 Dec) 8 days

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.**

Sl. No.	Particulars	No. of farmers / activities
1	Farmers telephone call attended and advised	290
2	Whats App call answered and advised	52
3	Messages sent to WhatApp groups (8 groups)	28
4	Members registered in Whats App group	1128
5	Field visits made and problems solved	46
6	Visit to cold storage units for storage facility	3
7	Farmers Scientists interaction conducted	5
8	Method demonstration conducted	1
9	Number of meetings with department of Horticulture	6
10	TV programmes	2
11	Radio programmes	3
12	Press meet and phone in programmes	1
13	Newspaper publication	7
14	Messages sent and linkage for marketing	48
15	Number of FPO involved in marketing	3

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