

KRISHI VIGYAN KENDRA,CHITRADURGA

ANNUAL REPORT- 2019

(FOR THE PERIOD FROM 01 January 2019 TO 31 December 2019)

KVK Address and Host Organization details

KVK Address

ICAR- Krishi Vigyan Kendra, Chitradurga
Babbur Farm, Hiriyur-577 598,
Chitradurga district,Karnataka State

Host Organization details

University of Agricultural and Horticultural
Sciences, Shivamogga
Savalanga Road, Navile, Shivamogga,
Karnataka-Pin: 577 225

GENERAL INSTRUCTIONS

Please read the 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 need to be given by each KVK while preparing the report.
- Period of Report is from 01 January 2019 to 31 December 2019
- Action photographs with relevant captions covering various activities of the KVK in High resolution should be submitted separately in a CD/DVD along with this report.
- 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, graphs and photos.

PART I - GENERAL INFORMATION ABOUT THE KVK

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

KVK Address	Telephone		E mail	Web Address
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	kvkchitradurga.com

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 2019

Sl. No	Sanctioned post	Name of the incumbent	Designation	M /F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC/ST/OBC/Others)
1	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. Parashuram Chandravanshi	Scientist	M	Soil Science	Ph.D	79,800 to 2,11,500	98,200	26-3-2018	Permanent	SC
5	Scientist	Dr. Prakash Kerure	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	Mrs. GeethaKumar	Programme	F	Agriculture	B.Sc.(A gri.)	9300 to 34800 + AGP	14,020+ AGP	04-11-2010	Permanent	OBC

	(Lab Tech.)	i B .N	Assistant /training Asst				4600	4600			
9	Programme Assistant (Computer)	Miss. 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	7 th std	17000-28950	17800	24-11-2016	Permanent	OBC

1.6. Total land with KVK (in ha): 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	135375 km	Good Condition
Tractor	2007	4,66,319	4547.1 hrs	Good Condition
Two Wheeler (Hero Honda) KA 16 S 4401	2009	42,645	37705 km	Good Condition
Scooter (Honda Activa) KA 16 S 4415	2009	39,350	56771 km	Good Condition
TVS Victor KA04EF8139	2003	38,363	74772 km	Good Condition

C) Equipment & AV aids

Sl No.	Name of the equipment	Year of purchase	Cost (Rs.)	Present status
1	Epson Projector with LCD screen	25-02-2019	49,920	Good conditions
2	HP Pavilion laptop LED Multi Touch	28-02-2019	49,914	Good conditions
3	Sony '40' LED T.V (Supplied By DE's Office UAHS Shivmogga)	21-06-2019	48,500	Good conditions

1.8. Details of SAC meeting conducted during 2019

Date	Number of Participants	Salient Recommendations	Action taken	Remarks, if any
1-7-2019	18	Advised to select more number of farmers to take up planting of forest plants in the waste lands with the help of forest departments.	<ul style="list-style-type: none"> Planting of 150 (drumstick, hebbevu, honge) trees in the KVK farm. 1500 dryland horticulture plants (Mango , Custard apple and tamarind) in farmers field at Halgondanahally, vaderahally , Gopanahally villages of Challakere tq. Mango-200 No. fig -100, tamarind-200, lime -50, Jack fruit -50 , Sapota- 50, Custard apple-50 , Ber-50, Jamun-50 planted at adopted village of Chitradurga Dist. 	
		Enhance more numbers of beneficiaries for bee keeping with the help of concerned departments	Ten Bee hives were distributed to beneficiaries of Chitradurga district through DoH under National Horticulture Mission in collaboration with KVK	
		Explore alternative variety for Groundnut TMV-2 and large scale demonstration to be conducted .	Conducted OFT on groundnut varieties DGRMB-24, 32 and TAG 34A at Bommanakunte, Challakere taluk in 6 farmers fields	

		<p>Minimize flood irrigation and relay on drip irrigation and other moisture conserving technologies in order to mitigate water crises through training / Abhiyana programmes</p>	<ul style="list-style-type: none"> Models on drip and fertigation , trench cum bunding, farm pond developed at KVK field . Created awareness programmes on adaption of microirrigation through krishi abhiyan , Jal shakthi abhiyana , trainings and farmers scientist interactions . <table border="1" data-bbox="715 331 1267 589"> <thead> <tr> <th>Programmes</th> <th>No. of Programmes</th> <th>No. Participants</th> </tr> </thead> <tbody> <tr> <td>Krishi abhiyan</td> <td>6</td> <td>281</td> </tr> <tr> <td>Jal shakthi abhiyana</td> <td>25</td> <td>2159</td> </tr> <tr> <td>Trainings</td> <td>6</td> <td>166</td> </tr> <tr> <td>Farmers scientist interactions</td> <td>4</td> <td>120</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Under guidance of KVK , Prograssive farmer Shri. Sanmukappa , Myadana hole , Hiriyur Tq. adopted drip irrigation for 1 ha in collaboration with DoH 	Programmes	No. of Programmes	No. Participants	Krishi abhiyan	6	281	Jal shakthi abhiyana	25	2159	Trainings	6	166	Farmers scientist interactions	4	120																												
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		<p>More and more numbers of radio and TV programs to be broad casted on the burning issues like soil and water conservation, pest and diseases , contingent crop plan and live stocks.</p>	<ul style="list-style-type: none"> Radio programmes details as follows <table border="1" data-bbox="632 745 1350 1417"> <thead> <tr> <th>Date</th> <th>Topic</th> <th>Station Name</th> </tr> </thead> <tbody> <tr> <td>24.06.2019</td> <td>Pest management in Onion, Groundnut Arecanut ,Redgram and Banana.</td> <td rowspan="10">AIR, Chitradurga</td> </tr> <tr> <td>6.7.2019</td> <td>Drought mitigation measures in Chitradurga district</td> </tr> <tr> <td>9.7.2019</td> <td>Phone in programme alternate crops for late Kharif</td> </tr> <tr> <td>9-7-2019</td> <td>Improved production techniques for kharif crops</td> </tr> <tr> <td>10-7-2019</td> <td>Live phone in programme</td> </tr> <tr> <td>13.7.2019</td> <td>Role of Integrated farming system sustainable agriculture</td> </tr> <tr> <td>20.8.2019</td> <td>Management of army worm in maize</td> </tr> <tr> <td>11.9.2019</td> <td>Jala shakthi abhiyana programme</td> </tr> <tr> <td>19.9.2019</td> <td>Integrated pest and disease management in arecanut</td> </tr> <tr> <td>19.9.2019</td> <td>Importance of soil and water testing</td> </tr> </tbody> </table> <ul style="list-style-type: none"> TV programmes details as follows <table border="1" data-bbox="632 1473 1350 1989"> <thead> <tr> <th>Date</th> <th>Topic</th> <th>Station Name</th> </tr> </thead> <tbody> <tr> <td>5.10.2019</td> <td>Integrated management of insect pests in arecanut</td> <td rowspan="7">DD Chandana</td> </tr> <tr> <td>5.10.2019</td> <td>Integrated pest and disease management in Bengalgram</td> </tr> <tr> <td>5.10.2019</td> <td>Onion seed production</td> </tr> <tr> <td>5.10.2019</td> <td>ICM in of Bhima Super Onion variety</td> </tr> <tr> <td>5.10.2019</td> <td>Importance of fodder Sorghum variety COFS-31</td> </tr> <tr> <td>5.10.2019</td> <td>Improved production practices for cultivation of Finger millet Variety ML-365</td> </tr> <tr> <td>12-11-2019</td> <td>Drumstick cultivation for dry powder production</td> </tr> </tbody> </table>	Date	Topic	Station Name	24.06.2019	Pest management in Onion, Groundnut Arecanut ,Redgram and Banana.	AIR, Chitradurga	6.7.2019	Drought mitigation measures in Chitradurga district	9.7.2019	Phone in programme alternate crops for late Kharif	9-7-2019	Improved production techniques for kharif crops	10-7-2019	Live phone in programme	13.7.2019	Role of Integrated farming system sustainable agriculture	20.8.2019	Management of army worm in maize	11.9.2019	Jala shakthi abhiyana programme	19.9.2019	Integrated pest and disease management in arecanut	19.9.2019	Importance of soil and water testing	Date	Topic	Station Name	5.10.2019	Integrated management of insect pests in arecanut	DD Chandana	5.10.2019	Integrated pest and disease management in Bengalgram	5.10.2019	Onion seed production	5.10.2019	ICM in of Bhima Super Onion variety	5.10.2019	Importance of fodder Sorghum variety COFS-31	5.10.2019	Improved production practices for cultivation of Finger millet Variety ML-365	12-11-2019	Drumstick cultivation for dry powder production	
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		Awareness on nutritional security through organizing nutri garden demonstrations at village level to overcome the problem of malnutrition and anemia in rural women and children.	<ul style="list-style-type: none"> • Twenty demonstration were conducted on nutria garden at Shidlayyanakote , Hiriyyur Tq. • Ten demonstration were conducted on nutria cereals at Gopanahally , Challakere Tq. • Model nutri garden is established at nursery at KVK • Following trainings were conducted <table border="1"> <thead> <tr> <th>Date</th> <th>Topic</th> <th>No of Participants</th> </tr> </thead> <tbody> <tr> <td>28-05-2019</td> <td>ICM in little millet</td> <td>36</td> </tr> <tr> <td>17-07-2019</td> <td>ICM in millets</td> <td>43</td> </tr> <tr> <td>20-08-2019</td> <td>Nutri garden importance</td> <td>24</td> </tr> <tr> <td>19-09-2019</td> <td>Improved production practices in finger millet variety ML-365</td> <td>19</td> </tr> <tr> <td>27-09-2019</td> <td>ICM in finger millet</td> <td>37</td> </tr> <tr> <td>19-06-2019</td> <td>ICM in little millet</td> <td>16</td> </tr> <tr> <td>14-08-2019</td> <td>Enhance finger millt production through ICM approaches</td> <td>35</td> </tr> <tr> <td>16-08-2019</td> <td>Improved production practices in finger millet</td> <td>20</td> </tr> <tr> <td>17-08-2019</td> <td>ICM in finger millet</td> <td>17</td> </tr> <tr> <td>20-11-2019</td> <td>Demonstration of Nutrient garden techniques and its importance</td> <td>16</td> </tr> <tr> <td></td> <td>Total</td> <td>263</td> </tr> </tbody> </table>	Date	Topic	No of Participants	28-05-2019	ICM in little millet	36	17-07-2019	ICM in millets	43	20-08-2019	Nutri garden importance	24	19-09-2019	Improved production practices in finger millet variety ML-365	19	27-09-2019	ICM in finger millet	37	19-06-2019	ICM in little millet	16	14-08-2019	Enhance finger millt production through ICM approaches	35	16-08-2019	Improved production practices in finger millet	20	17-08-2019	ICM in finger millet	17	20-11-2019	Demonstration of Nutrient garden techniques and its importance	16		Total	263
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		Mass production of Bio-agents (<i>Trichoderma</i> and <i>Pseudomonas</i>) should be initiated	200 kg of <i>Trichoderma</i> was produced initiated in collaboration with Microbiologist , ZAHRS, Hiriyyur																																				

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		More number of research papers /popular articles /folders /news letters are to be published.	<table border="1"> <thead> <tr> <th>Particulars</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Research papers- National</td> <td>5</td> </tr> <tr> <td>Technical reports</td> <td>5</td> </tr> <tr> <td>Popular articles – Local language</td> <td>10</td> </tr> <tr> <td>Extension literature</td> <td>7</td> </tr> <tr> <td>TOTAL</td> <td>27</td> </tr> </tbody> </table>	Particulars	Number	Research papers- National	5	Technical reports	5	Popular articles – Local language	10	Extension literature	7	TOTAL	27				
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		Popularization of drought tolerant date palm and cashew in the district .	Under the technical support of KVK , SKDRDP, Hiriya Planted 6000 cashew plants at Chillahally , Hariyabbe , Kundalagara of Hiriya Tq.																
		Evaluation of OFT may be simultaneously taken up in the farmers and KVK field and then include the proven technology in POP and same may be disseminated on large scale.	OFT on sesamum was conducted at KVK farm Variety : DS-5 and local Area: 1 acre																
		Hydroponics and Fodder seed production may be increased in order to overcome fodder crisis.	<ul style="list-style-type: none"> Hydroponic demonstration conducted in Ganayanahalli, Hemadal of Hiriya Tq. , Doddarangayanahatti of Hosdurga Tq. and Halgondanahalli of Challakere Tq. Established low and high-tech hydroponic model in collaboration with ZAHRS , Babbar farm at campus . Awareness was created by training programme <table border="1"> <thead> <tr> <th>Date</th> <th>Place</th> <th>No. of Participants</th> </tr> </thead> <tbody> <tr> <td>16-8-2019</td> <td>KVK</td> <td>20</td> </tr> <tr> <td>17-8-2019</td> <td>KVK</td> <td>17</td> </tr> <tr> <td>2-12-2019</td> <td>KVK</td> <td>26</td> </tr> <tr> <td>21-12-2019</td> <td>KVK</td> <td>49</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Produced 150 kg seeds of fodder sorghum variety COFS-31 at KVK farm. Nearly 560 kg seeds of fodder sorghum variety COFS-31 produced by farmers under the guidance of KVK 	Date	Place	No. of Participants	16-8-2019	KVK	20	17-8-2019	KVK	17	2-12-2019	KVK	26	21-12-2019	KVK	49	
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17-8-2019	KVK	17																	
2-12-2019	KVK	26																	
21-12-2019	KVK	49																	
		Large scale demonstration on onion seed production may be taken up as farmers participatory.	<ul style="list-style-type: none"> Large scale demonstration on onion (Arka Kalyan & Bhima Super) seed production through farmers participatory were conducted in ten farmers field at Hosakundur, Hosdurga Tq. , Mayasandra & Suguru villages of Hiriya Tq. , 																
		Establishment of millets processing unit	<ul style="list-style-type: none"> University has completed tender process for procurement of Millet processing unit . 																

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

S. 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 Montmorillinite 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

Crop	Area (ha)	Production(MT)	Productivity(kg/ha)
Maize	92414	246857	2726
Finger Millet	50728	62706	1200
Sorghum	1436	615	428
Redgram	15115	4284	473
Greengram	4184	383	310
Chick pea	40520	19993	493
Avare	2471	2009	1069
Groundnut	91596	51385	561
Sunflower	19533	10573	536
Seas mum	4176	2196	546
Coconut	58715	0.56 (million nuts)	9225 No's/ha
Banana	5790	160.45(000 ton)	24.0 t/ha
Mango	3,343	34,543.2 t	10.3 t/ha
Pomegranate	6911	62199 t	9.0 t/ha
Watermelon	307	9824	32.0 t/ha
Onion	32,887	6,44,910 t	19.60 t/ha
Chrysanthemum	617	8,124 t	13.16 t/ha
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 ° C		Relative Humidity (%)
		Maximum	Minimum	
January-19	5	30.4	13.1	89.5
February-19	0	33.5	18.1	85.0
March-19	0	37.2	20.8	65.0
April -19	12	38.5	22.3	58.5
May -19	57	37.9	22.5	59.5
June-19	62	34.3	23.3	70.5
July-19	47	30.9	22.2	79.5
August-19	98	29.3	21.6	81.5
September-19	154	30.4	21.8	79.0
October-19	285	29.6	21.6	82.0
November-19	23	29.7	19.7	71.0
December -19	26	28.7	16.9	72.5

* Please provide latest data from authorized sources. Please quote the source –Department of Agriculture

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	34806	6 LPD	10 LPD
<i>Indigenous</i>	239931	1.5 LPD	2 LPD
Buffalo	151895	2 LPD	3 LPD

Sheep	924231		
Crossbred	-	Meat	20 Kg / Animal
<i>Indigenous</i>	-	Wool	1 kg / year
Goats	226696	16 Kg/ Animal	18 kg/ Animal
Pigs	2810		
<i>Crossbred</i>	-	60 Kg/ Animal	80 kg/ Animal
<i>Indigenous</i>	-	40 Kg/ Animal	60 Kg/ Animal
Rabbits	1465	-	-
poultry	161175	-	-
Hens			
<i>Desi</i>	-	60-80 eggs / year	100 eggs / year
<i>Improved</i>	-	280 eggs / year	280 eggs / year

* Department of animal husbandry , Chitradurga

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

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

2.7 District profile maintained in the KVK has been **Updated** for 2019: 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	Parashuram pura	Bommankunte	3	Groundnut & Redgram	<ul style="list-style-type: none"> • Less plant population (30-35 kg seeds/acre) • Imbalanced nutrition (farmers apply only 1 bag DAP) • Leaf minor, root grub, bud necrosis and rust problem 	ICM
2	Hosadurga	Srirampura	Ballasamudra	2	Greengram & Redgram	<ul style="list-style-type: none"> • Low yield due to local varieties • Non availability of high yielding varieties • Susceptibility to Yellow Mosaic • Imbalanced application of fertilizers 	Varietal evaluation

3	Hosadurga	Srirampura	Ballasamudra	2	Sesamum & Finger millet	<ul style="list-style-type: none"> • Low yield due to local varieties • Non availability of high yielding varieties • Susceptibility to Pyhllody disease 	Crop improvement
4	Hosadurga	Hosadurga	M.G. Dibba	1	Little Millet & Finger Millet	<ul style="list-style-type: none"> • Low yield due to local varieties • Shoot fly problem • Imbalanced nutrition (farmers apply only 25 kg urea) 	Varietal evaluation
5	Hiriyur	Hiriyur	Yalagondanahalli	1	Onion & Pomegranate	<ul style="list-style-type: none"> • Low yield due to local varieties • No results of onion varieties suitable for Rabi season 	Crop improvement
6	Chellakere	Sanikere	Bomberahalli	2	Onion & Groundnut	<ul style="list-style-type: none"> • Use of local variety i.e. Satara Gurva • Low Yield • Imbalanced nutrition 	Demonstration of Bhima Super variety and ICM
7	Hiriyur	Hiriyur	Suguru	2	Onion & Groundnut	<ul style="list-style-type: none"> • Use of local variety i.e. Satara Gurva • Low Yield • Imbalanced nutrition 	Demonstration of Arka Laalima hybrid and ICM
8	Hiriyur	Hiriyur	Myadana hole	2	Chrysanthemum & Arecanut	<ul style="list-style-type: none"> • Imbalanced nutrient management • Flower malformation, sucking pest, bud borer and leaf blight 	IPDM
9	Chellakere	Talaku	Aligondanahalli	1	Mango & Groundnut	<ul style="list-style-type: none"> • 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) • Demo of IIHR mango fruit fly trap for control of fruit flies@1 for 5 plants • Spraying of hexaconazole @ 1 ml/l for powdery mildew and imidachloprid @ 0.5 ml/l for hoppers 	ICM
10	Hosadurga	Hosadurga	Madadakere	1	Banana ,Finger millet & Arecanut	<ul style="list-style-type: none"> • Low bunch yield due to imbalanced application of major and micro nutrients 	INM
11	Chitradurga	Bharamasagara	Hampanur	1	Avare , Maize & Finger millet	<ul style="list-style-type: none"> • Low yield due to poor nutrient uptake under moisture stress 	INM
12	Hiriyur	Dharmapura	Chillahalli	1	Arecanut, Pomegranate & Onion	<ul style="list-style-type: none"> • Bud rot, Incidence of spindle bug, scales, mites and imbalanced nutrition 	ICM
13	Hiriyur	Dharmapura	Shidlayyanakote	4	Redgram & groundnut	<ul style="list-style-type: none"> • Leaf Webber and Pod borer • Pigeon pea sterility mosaic disease 	ICM
14	Hosadurga	Hosadurga	Hosakundur	4	Bengal gram & Onion	<ul style="list-style-type: none"> • Pod borer and wilt 	ICM

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	Hiriyur	Dharmapura	Shidlayyanakote	Basic data has been collected and yet to be compiled			
2	Challakere	Parashurampura	Halagondanahalli				
3	Molakalmuru	Molakalmuru	Siddayyanakote				

2.9 Priority thrust areas

S. No	Thrust area
1.	Value addition, branding and marketing
2.	Water Management
3.	Salt affected Soil Management
4.	Integrated Nutrient management
5.	Integrated Wilt management in Chickpea and Maize
6.	Seed production
7.	Weed management
8.	Fodder productivity
9.	Integrated management of Army worm in Maize
10.	FPO Linkage
11.	Dry land farming

PART III - TECHNICAL ACHIEVEMENTS (2019)

3.A. Target and Achievements of mandatory activities

OFT				FLD			
1				2			
OFTs (No.)		Farmers (No.)		FLDs (No.)		Farmers (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
2	2	6	6	12	12	80	80

Training				Extension Programmes			
3				4			
Courses (No.)		Participants (No.)		Programmes (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
44	60	1465	1970	427	409	107460	1344271

Seed Production (Q)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
30	22.55	12000	8620

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
230(poultry)	504	-	200 kg Trichoderma

3.B1. Abstract of interventions undertaken

S. No	Thru st area	Cro p/ Ente rprise	Identified Problem	Interventions									
				Title of OFT if any	Title of FLD if any	Numbe r of Traini ng (far mers)	Num ber of Traini ng (You ths)	Numb er of Traini ng (exten sion perso nel)	Exten sion activit ies (No.)	Sup ply of seeds (Qtl .)	Suppl y of planti ng mate rials (No.)	Suppl y of livest ock (No.)	Supply of bio produc ts
1	Crop impro vement	Sesamum	<ul style="list-style-type: none"> Low yield due to local varieties Non availability of high yielding varieties Susceptibility to Phyllody disease 	Assessme nt of Sesamum varieties for higher yield	-	1	-	1	2	0.06	-	-	6 kg
2	ICM	Gro undnut	<ul style="list-style-type: none"> Less plant population (30-35 kg seeds/acre) Imbalanced nutrition (farmers apply only 1 bag DAP) Leaf minor, root grub, bud necrosis and rust problem 	-	ICM in Groundnut	2	1	1	4	6	-	-	30 kg

3	Variety evaluation	Green gram	<ul style="list-style-type: none"> • Low yield due to local varieties • Non availability of high yielding varieties • Susceptibility to Yellow Mosaic • Imbalanced application of fertilizers 	-	Popularization of Greegram variety KKM-3	1	1	1	2	0.3	-	-	15 kg	
4	Variety evaluation	Little millet	<ul style="list-style-type: none"> • Low yield due to local varieties • Shoot fly problem • Imbalanced nutrition (farmers apply only 25 kg urea) 	-	Introduction of little millet variety DHLM-36-3	1	1	1	2	0.3	-	-	15 kg	
5	Crop improvement	Onion	<ul style="list-style-type: none"> • Low yield due to local varieties • No results of onion varieties suitable for Rabi season 	Assessment of onion varieties for higher yield in Rabi Season	-	1	-	-	-	0.12	-	-	No.	Kg
6	ICM	Onion	<ul style="list-style-type: none"> • Use of local variety i.e. Satara Gurva • Low Yield • No Variety suitable of late <i>Kharif</i> • Imbalanced nutrition 	-	Demonstration of Bhima Super onion variety for higher yield	3	-	1	2	0.20	-	-	-	-
7	ICM	Onion	<ul style="list-style-type: none"> • Use of local variety i.e. Satara Gurva • Low Yield • No Variety suitable of late <i>Kharif</i> • Imbalanced nutrition 	-	Demonstration of hybrid onion variety Arka Laalima	3	-	1	1	0.15	-	-	-	-
8	IPDM	Chrysanthemum	<ul style="list-style-type: none"> • Imbalanced nutrient management • Flower malformation, sucking pest, bud borer and leaf blight 	-	Integrated pest and disease management in Chrysanthemum	2	-	1	1	-	-	-	1	1.25 liter
9	ICM	Mango	<ul style="list-style-type: none"> • Low yield due to imbalance nutrient management • Flower and fruit drop • Incidence of powdery mildew & hopper 	-	Integrated Crop Management in Mango	2	-	-	1	-	-	-	-	-

Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-	-	-	-	-	-
Farm Machineries	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-	-	-	-	-	-
Storage Technique	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-

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

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

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

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

4.B. Achievements on technologies Assessed and Refined

4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trial covering all Technological Options in a farm)
Integrated Nutrient Management					
Varietal Evaluation	Sesamum	Assessment of Sesamum varieties for higher yield	2	2	0.8
	Onion	Assessment of suitable onion varieties for Rabi season	3	3	1.2 ha

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	-	-	5	5	1.10

4.B.2. Technologies Refined under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trial covering all Technological Options in a farm)
Integrated Nutrient Management	-	-	-	-	-
	-	-	-	-	-
Varietal Evaluation	-	-	-	-	-
	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-
	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-
	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-
	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-
	-	-	-	-	-
Weed Management	-	-	-	-	-
	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-
	-	-	-	-	-
Farm Machineries	-	-	-	-	-
	-	-	-	-	-

Integrated Farming System	-	-	-	-	-
	-	-	-	-	-
Seed / Plant production	-	-	-	-	-
	-	-	-	-	-
Value addition	-	-	-	-	-
	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-
	-	-	-	-	-
Storage Technique	-	-	-	-	-
	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-
	-	-	-	-	-
Total	-	-	-	-	-

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

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

4.B.4. Technologies Refined under Livestock and other enterprises

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

4.C1. Results of Technologies Assessed

Crop/enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	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
Sesamum	Rainfed	Low yield due to local varieties Non availability of high yielding varieties Susceptibility to Phyllody disease	Assessment of Sesamum varieties for higher yield	2	T.O.1 (Farmers practice) T.O.2: DS-5	UAS D			Vitiated to soil moisture stress during germination			
Onion	Irrigated	• Low yield due to	Assessment	3	T.O.1	Satara			Crop at 45 days growth stage (as on 20-01-2020)			

	ed	local varieties •No results of onion varieties suitable for Rabi season	of suitable onion varieties for Rabi season		(Farmer practice)	Gurva	(Results are awaited and will be submit in annual report 2020-2021)
					T.O.2	Arka Niketan	
					T.O.3	Bhima Shakti	
					T.O.4	Bhima Kiran	

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

1. Title of Technology Assessed - Assessment of Sesamum varieties for higher yield
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 and feedback received- **Develop phyllody disease resistant and high yielding varieties**

4.D1. Results of Technologies Refined

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

4.D.2. Details of Technologies refined:

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

PART V - FRONTLINE DEMONSTRATIONS (2019)

5.A. Summary of FLDs implemented

Sl. No.	Category	Farming Situation	Season	Crop	Variety / breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/Marginal	Others
	Oil seeds													
1		Raifed	Kharif	Groundnut	TM V-2		ICM	Optimum seed rate 40-45 kg/acre Seed treatment with Rhizobium , PSB & Trichoderma @ 2.5 kg /ha seeds	10	10	3	7	4	6

							Seed treatment with chlorpyrifos @ 15 ml/kg seeds Sowing by using mechanized seed drill FYM : 7.5 t/ha RDF : 25:50:25 NPK kg /ha+ Gypsum-500 kg/ha Micronutrients - ZnSO ₄ @ 10 kg/ha and soluble boron @ 1 g/l at flowering							
	Pulses													
2		Rainfed	Kharif	Green gram	KKM-3		Crop improvement Demonstration of new variety- KKM-3 Seed treatment with Rhizobium , PSB & Trichoderma @ 4 kg /ha seeds Spray with Imidachlopid @ 0.05 % FYM : 2.5 t/ha RDF : 13: 25:25 NPK kg /ha Foliar spray of 19:19:19	5	5	-	5	2	3	
3		Irrigated	Rabi	Avare	HA-4	-	Nutrient management • FYM: 7.5 t/ha • RDF: 25:50:25 kg N:P ₂ O ₅ :K ₂ O per ha • Micronutrient foliar application (Arka vegetable special @ 2 g/litr) at 40-45 days after sowing and subsequent sprays at 20 days interval till harvest	4	4	4	6	3	7	
4		Rainfed (2018-19)	Rabi	Bengal gram	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 – 5 g/kg seeds, Rhizobium – 500 g/ha, PSB – 500 g/ha. Pheromone traps – 10 No.s/ha HaNPV – 300 LE/ha. Bengal gram : Coriander -10:1 Use of Bird perches Dusting of	4	4	-	10	8	2	

								Malathion 5D 20 kg/ha. Emamectin benzoate 5SG – 0.3g/l						
	Cereals	-	-	-	-	-	-	-	-	-	-	-	-	-
	Millet													
5		Rainfed	Kharif	Little millet	DHL M36-3		Crop improvement	Introduction of new hybrid DHLM-36-3 Seed treatment with Biofertilizers- Azospirillum and PSB, @ 4 g/kg. Biopesticide - Trichoderma @ 4 g/kg FYM: 6.5 t/ha RDF-20:20 NP/ha Micronutrients (ZnSO ₄ 10 kg/ha) Carbofuran 3% granules @ 2.5 kg a.i/ha	5	5	-	5	2	3
	Vegetables													
6		Irrigated	Kharif	Onion	Bhima Super	-	ICM	<ul style="list-style-type: none"> • 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	1	4	-	Others
7		Irrigated	Kharif	Onion	-	Arka Laalima	ICM	<ul style="list-style-type: none"> • 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 	2	2	0	5		others

Oyster mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Button mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermicompost	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Implementations	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Sl. No.	Category	Farmer's Situation	Season and Year	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
	Oils eeds												
1		Rainfed	Kh arif - 20 19	Groundnut	TM V-2		ICM	Optimum seed rate 40-45 kg/acre Seed treatment with Rhizobium , PSB & Trichoderma @ 2.5 kg /ha seeds Seed treatment with chlorpyrifos @ 15 ml/kg seeds Sowing by using mechanized seed drill FYM : 7.5 t/ha RDF : 25:50:25 NPK kg /ha+ Gypsum-500 kg/ha Micronutrients - ZnSO ₄ @ 10 kg/ha and soluble boron @ 1 g/l at flowering	Kh arif - 20 19	H	M	M	Maize
	Pulses												
2		Rainfed	Kh arif	Green gram	KK M-3		Crop improvement	Demonstration of new variety- KKM-3 Seed treatment with Rhizobium , PSB & Trichoderma @ 4 kg	Kh arif - 20 19	L	M	M	Finger millet

								/ha seeds Spray with Imidachloprid @ 0.05 % FYM : 2.5 t/ha RDF : 13: 25:25 NPK kg /ha Foliar spray of 19:19:19					
3		Irrigated	Rabi	Average	HA-4	-	Nutrient management	<ul style="list-style-type: none"> • FYM: 7.5 t/ha • RDF: 25:50:25 kg N:P₂O₅:K₂O per ha • Micronutrient foliar application (Arka vegetable special @ 2 g/litr) at 40-45 days after sowing and subsequent sprays at 20 days interval till harvest 	Rabi 2019-20	L	M	M	Maize, Ragi
4		Rainfed	Rabi 2018	Bengal gram	JAKI - 9218	-	ICM	<p>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 – 5 g/kg seeds, Rhizobium – 500 g/ha, PSB – 500 g/ha. Pheromone traps – 10 No.s/ha HaNPV – 300 LE/ha. Bengal gram : Coriander -10:1 Use of Bird perches Dusting of Malathion 5D 20 kg/ha. Emamectin benzoate 5SG – 0.3g/l</p>	Rabi 2018	M	M	H	Onion
	Cereals	-	-	-	-	-	-	-	-	-	-	-	-
	Millets												
5		Rainfed	Kharif	Little millet	DHL M36-3		Crop improvement	<p>Introduction of new hybrid DHLM-36-3 Seed treatment with Biofertilizers- Azospirillum and PSB, @ 4 g/kg. Biopesticide - Trichoderma @ 4 g/kg FYM: 6.5 t/ha RDF-20:20 NP/ha Micronutrients (ZnSO₄ 10 kg/ha) Carbofuran 3% granules @ 2.5 kg a.i/ha</p>	Kharif - 2019	L	M	M	Finger millet
	Vegetables												
6		Irrigated	Kharif 2019-20	Onion	Bhima Super	-	ICM	<ul style="list-style-type: none"> • Demonstration of Bhima Super Variety @ 4 kg/acre • Soil test based 	Kharif 2019-20	L	M	H	Finger millet

								(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					
7		Irrigated	Kharif 2019-20	Onion	-	Arka Laalima	ICM	•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	Kharif 2019-20	L	M	H	Ground nut
	Flowers												
8		Irrigated	Kharif 2019-20	Chrysanthemum	Chandani	-	IPDM	• Soil test based RDF (100:150:100 kg NPK /ha) and FYM-20 t/ha • Micronutrients: Soil application of ZnSO4 @ 4 kg/acre and Borax @ 1kg/acre • Use of Bio-inputs: Trichoderma, PSB and Pseudomonas • Spraying of neem oil @ 4ml/l, Use of sticky trap for control of sucking pest @ 8-10/acre • Chemical spray of Regent 50 E.C. @ 1ml/l and Mancozeb 75 W.P. @ 2g/l	Kharif 2019-20	L	M	H	Little millet
	Ornamental	-	-	-	-	-	-	-	-	-	-	-	-
	Fruit												
9		Rain fed	Rabi to Summer 2019-20	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:	Rabi to Summer 2019-20	L	M	H	Mango

								Feb-Mar) • Spraying of Hexaconazole 5 EC @ 1 ml/l for powdery mildew and Imidachloprid 17.8 SL @ 0.5 ml/l for hoppers					
10		Irigated	Kh arif	Bana na	Putta bale	-	Integ rated Nutri ent mana geme nt	<ul style="list-style-type: none"> FYM: 40 t/ha RDF: 400:240:500 kg N:P₂O₅:K₂O per ha Split application of major nutrients once in 35 days (5 times) Micronutrient foliar application (Arka banana special @ 0.5 %) 	Kh arif 20 19-20	M	M	H	Sunn hemp, Bana na
	Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-
	Commercial	-	-	-	-	-	-	-	-	-	-	-	-
	Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-
	Fodder	-	-	-	-	-	-	-	-	-	-	-	-
	Plantation	-	-	-	-	-	-	-	-	-	-	-	-
11		Irrigated	Kh arif	Arecanut	Bheemasamudra Local	-	Integ rated crop mana geme nt	<ul style="list-style-type: none"> FYM – 20 kg/plant, 100:40:140 g N:P₂O₅:K₂O per plant MgSO₄ - 100 g/plant, Borax - 20 g/plant Trichoderma - 50 g/plant Dimethoate 30 EC 2.5ml/l, Copper oxy chloride 75 WP – 3 g/l , Phorate 10G – 5 g/plant 	Kh arif 20 19-20	M	M	H	-
	Fibre	-	-	-	-	-	-	-	-	-	-	-	-

5.B. Results of FLDs

5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Far ming situation	No. of Demo.	Area (ha)	Yield (q/ha)			% Increase	Economics of demonstration (Rs./ha)			Economics of Check (Rs./ha)		
							Demo	Check	Area		Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
							H	L	A							

Oilseeds																	
Groundnut	Optimum seed rate 40-45 kg/acre Seed treatment with Rhizobium , PSB & Trichoderma @ 2.5 kg /ha seeds Seed treatment with chlorpyrifos @ 15 ml/kg seeds Sowing by using mechanized seed drill FYM : 7.5 t/ha RDF : 25:50:25 NPK kg /ha+ Gypsum-500 kg/ha Micronutrients - ZnSO ₄ @ 10 kg/ha and soluble boron @ 1 g/l at flowering	TMV-2	Rainfed	10	4	14.2	13.0	13.6	11.0	23.6	57182	35511	2.64	46387	26709	2.36	
Pulses																	
Green gram	Demonstration of new variety- KKM-3 Seed treatment with Rhizobium , PSB & Trichoderma @ 4 kg /ha seeds Spray with Imidachloprid @ 0.05 % FYM : 2.5 t/ha RDF : 13:25:25 NPK kg /ha Foliar spray of 19:19:19	KKM-3	Rainfed	5	2	5.2	4.5	4.8	3.9	23.1	24200	12676	2.10	19700	8998	1.84	

	Integrated crop management in Arecanut • FYM – 20 kg/plant, 100:40:140 g N:P ₂ O ₅ :K ₂ O per plant • MgSO ₄ - 100 g/plant, Borax - 20 g/plant • <i>Trichoderma</i> - 50 g/plant Dimethoate 30 EC 2.5ml/l, Copper oxy chloride 75 WP – 3 g/l, Phorate 10G – 5 g/plant	Bhee masa mudra Local	-	<i>Kharif</i>	10	4	18.75	15.0	16.88	12.75	24.47	4,95,875	2,93,500	2.46	3,43,813	1,74,125	2.03
Areca nut																	
Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* 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 • Leaf spot (Tikka) (1-9 scale)	2.2	3.2
Popularization of Greengram variety KKM-3 • % Yellow mosaic	4.9	7.0
Demonstration of Bhima Super onion variety for higher yield • Plant height (cm) • Days to harvest (days) • Purple blotch incidence (%)	59.5 123 8.4	53.1 114 13.5
Demonstration of hybrid onion variety Arka Laalima • Plant height (cm) • Days to harvest (days) • Bulb Size and color	55.0 120 Big and Red	53.9 110 Medium and Light Red
Integrated pest and disease management in Chrysanthemum • Plant height (cm) • Deformed flower (%) • Leaf blight (%)	59.5 3.58 12.27	55.6 5.01 17.9
ICM in Mango • No of Fruits/plant • Leaf hopper/inflorescence (No.s) • Powdery mildew (%)	231 10 6.9	196 16 19.5
Demonstration of Bhima Super onion variety for higher yield • Plant height (cm) • Days to harvest (days) • Purple blotch incidence (%)	59.5 123 8.4	53.1 114 13.5

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

** BCR= GROSS RETURN/GROSS COST

H-High L-Low, A-Average

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

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

5.B.4. Other enterprises

Enterprise	Name of the technology demonstrated	Variety/species	No. of Demo	Unit s/ 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.B.5. Farm implements and machinery

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

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

** BCR= GROSS RETURN/GROSS COST

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

Data on other parameters in relation to technology demonstrated		
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Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	1	10	0	10	6	0	6	16	0	16
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) ICM in onion	1	0	0	0	20	5	25	20	5	25
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	1	20	7	27	0	23	23	20	30	50
Cultivation of Fruit	1	14	0	14	2	0	2	16	0	16
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) ICM in chrysanthemum		8	2	10	4	2	6	12	3	15
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	30	2	32	5	0	5	35	2	37

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	23	429	106	489	157	71	219	511	121	780

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	1	15	2	17	9	0	9	24	2	26
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)- Crop specialist in agriculture and horticulture crops	1	7	6	13	6	1	7	13	7	20
TOTAL	2	22	8	30	15	1	16	37	9	46

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

1. Nil
2. Nil
3. 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) Crop specialist in agriculture and horticulture crops	1	7	6	13	6	1	7	13	7	20

PART VIII – EXTENSION ACTIVITIES (2019)**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	8	224	45	268	134	45	179	22	4	27
Kisan Mela	3	155000	31000	186000	93000	31000	124000	15500	3100	18600
Kisan Ghosthi	8	379	76	454	227	76	303	38	8	45
Exhibition	6	155875	31175	187050	93525	31175	124700	15588	3118	18705
Film Show	16	60	12	72	36	12	48	6	1	7
Method Demonstrations	12	101	20	121	60	20	80	10	2	12
Farmers Seminar	-	-	-	-	-	-	-	-	-	-
Workshop	1	30	6	35	18	6	24	3	1	4
Group meetings	12	168	34	201	101	34	134	17	3	20
Lectures delivered as resource persons	24	2834	962	3796	1762	592	2353	30	15	45
Newspaper coverage	20	-	-	-	-	-	-	-	-	-
Radio talks	10	-	-	-	-	-	-	-	-	-
TV talks	7	-	-	-	-	-	-	-	-	-
Popular articles	10	-	-	-	-	-	-	-	-	-
Extension Literature	4	-	-	-	-	-	-	-	-	-
Advisory Services	110	1550	310	1860	930	310	1240	155	31	186
Scientific visit to farmers field	143	359	116	475	150	59	209	165	6	171
Farmers visit to KVK	118	1800	360	2160	1080	360	1440	180	36	216
Diagnostic visits	7	20	10	30	10	1	11	29	-	29
Exposure visits	5	65	20	85	45	35	80	8	2	10
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-
Soil health Camp	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	1	64	13	76	38	13	51	6	1	8
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) World Yoga Day World Environmental Day Gandhi jayanthi World food day Vigilance awareness week World Soil Health day Farmers Day Swachhata Abhiyan Indipendance day Republic day Karnataka rajostava Any Other (Specify)	11	582	116	698	349	116	465	58	12	70
Total	329	319111	64275	383381	191465	63854	255317	31815	6340	38155

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIAL (2019)**9.A. Production of seeds by the KVKs**

Crop category	Name of the crop	Name of the Variety	Name of the Hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	Foxtail millet	HMT	-	0.75	Yet to be sold	-
Oilseeds	Groundnut	TMV-2	-	1.12	Yet to be sold	-
Pulses	Soybean	DSB-21	-	0.70	Yet to be sold	-
	Redgram	BRG-5	-	Crop failure due to moisture stress		-
	Bengalgram	JG-11	-	20	Under process	-
Commercial crops	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-
	Palak	IIHR	-	503 bunch	2000	-
	Coriander		-			-
	Amaranthus		-			-
	Dill		-			-
	Fenugreek		-			-
Flower crops	-	-	-	-	-	-
Spices	-	-	-	-	-	-
Fodder crop seeds	Fodder Sorghum	COFS-31	-	1.10	49500	-
Fiber crops	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-

9.B. Production of planting material by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Commercial	-	-	-	-	-	-
Vegetable seedlings	Drumstick	PKM		850	12750	37
Fruits	Lemon	Balaji		100	1000	5
	Tamarind	Stock plants		1000	Grafting to be done	-
	Jamun	Stock plants		700	Grafting to be done	-
Ornamental plants	-	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-	-
Plantation	Coconut		Tiptur Tall	3000	Sowing done during Dec 2019	-
	Arecanut		Bheema samudra local	2800	Sowing done during Dec 2019	-
Spices	Curry leaf			120	2000	2
Tuber	-	-	-	-	-	-
Fodder crop saplings	-	-	-	-	-	-
Forest Species	Forest species	-	-	50	-	-
Others(specify)	-	-	-	-	-	-
Total				8620	15750	44

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	<i>Trichoderma</i>	2	20000	25
Others (specify)	-	-	-	-
Total	-	2	20000	25

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				
	Giriraja/ Swarnadhara/local	504	26,137(Profit)	370
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		504	26,137	370

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

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

(A) KVK Newsletter:Nil

Date of start:_____ Periodicity:_____ Copies printed in each issue:_____

(B) Literature developed/published

Item	Number
Research papers- International	Nil
Research papers- National	5
Technical reports	5
Technical bulletins	-
Popular articles - English	-
Popular articles – Local language	10
Extension literature	7
Others (Pl. specify)	-
TOTAL	27

10.B. Details of Electronic Media Produced

S. No.	Type of media	Title	Details
1	CD / DVD	Fodder production techniques ICM in Greengram Onion Seed production	10 10 25
2	Mobile Apps	-	-
3	Social media groups with KVK as Admin	Whats App group Voice messages by Reliance foundation in collaboration with KVK	2 18
4	Facebook account name	-	-
5	Instagram account name	-	-

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

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

The Broad outline for the case study may be

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 **44901ha** 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

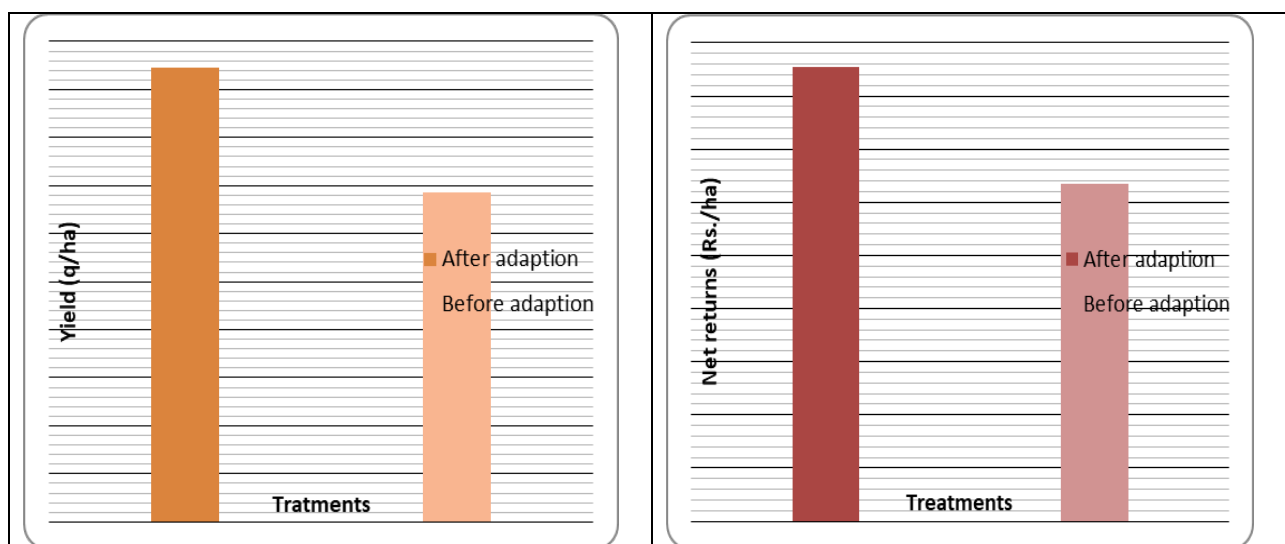


Photo galleries



2. Onion seed production for self reliance and higher returns (Variety Arka Kalyan)

Onion [*Allium cepa* L.] is one of the most important commercial vegetable crops of India. It is mainly grown by small and marginal farmers. It is also one of the important vegetable crops of Chitradurga district. It is cultivated in an area of 17,044 ha with total production of 3, 40,030 MT and average productivity of 19.95 t/ha (Anon, 2014). It is mainly grown for commercial bulb production during Kharif. Very less number of farmers goes for seed production during Rabi season with local varieties. This new innovative project may help to farmers for technical interventions on seed production, its certifications and self reliance for quality seeds in district

Interventions:

- Onion Seed Grower Association (FPO) was formed and used in identification of seed farmers & technological gaps and organization of capacity development
- Arka Kalyan/ Bhima Super breeder seeds to farmers for quality bulb production during *kharif* season (Jun-Jul) and seed production during *Rabi* season (Oct-Nov)
- Use of Yellow/Blue sticky traps to control thrips, Bee-colonies to maintain natural pollinators (Honey bees) and Arka Vegetable Special micronutrient for quality seed setting.
- Seed bulb treatment with bio-inputs like *Trichoderma*, *Pseudomonas* and *PSB*
- Procurement of seeds and Bulk marketing by association: Proper packing and labeling activities, publicity of quality onion seed availability, organization of buyers/sellers meet and organization of district level Field day.

Impact:

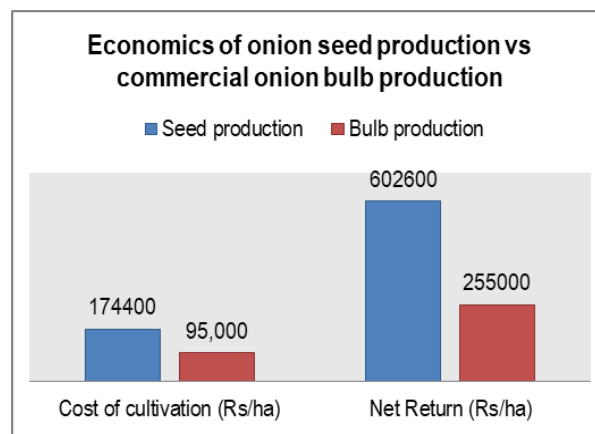
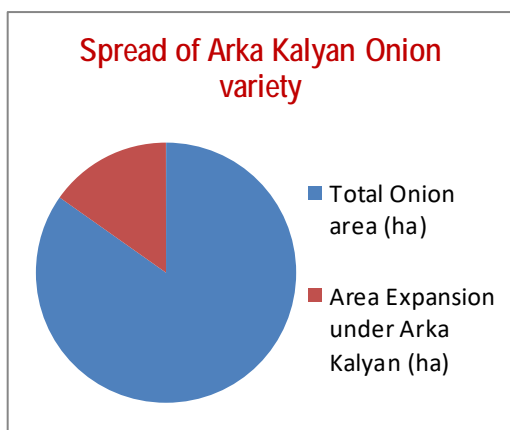
- From the study it was concluded that onion seed production has huge potential for the producer to obtain good profit and ensuring the availability of low cost and disease resistance variety to commercial onion producers.
- The economics of seed plot is Rs.6,02,600 per hectare compared to economics of commercial bulb production i. e Rs. 2,55,00 per ha and BCR is 4.4
- During 2016-17, farmer's participatory seed production taken in 50 farmers field and produced nearly 200q of quality seeds.
- During 2017-18, farmers's participatory seed production taken in 25 farmers field and produced nearly 80-100q of quality seeds.

Adoption of onion variety *Arka Kalyan* and area expansion:

- Comprehensive interventions of KVK through awareness programmes, training activities, Front Line Demonstrations, advisory services, seed production and convergence with line departments has resulted into a positive outcome in terms of adoption onion variety *Arka Kalyan* by the farmers of the district.

Sl. No.	Year	Seed production (q)	Area Expansion (ha)
1	2012-13	12	120
2	2013-14	20	200
3	2014-15	22	220
4	2015-16	26	260
5	2016-17	192	1,920

6	2017-18	32	320
7	2018-19	40	400
Total		304	3,440



3. Coconut tree climber use efficiency over traditional methods in Chitradurga district

Training programmes were conducted at ICAR-Krishi Vigyan Kendra, Babbur Farm, Hiriurn collaboration with Coconut Development Board, Cochin during 2012-13.

Interventions:

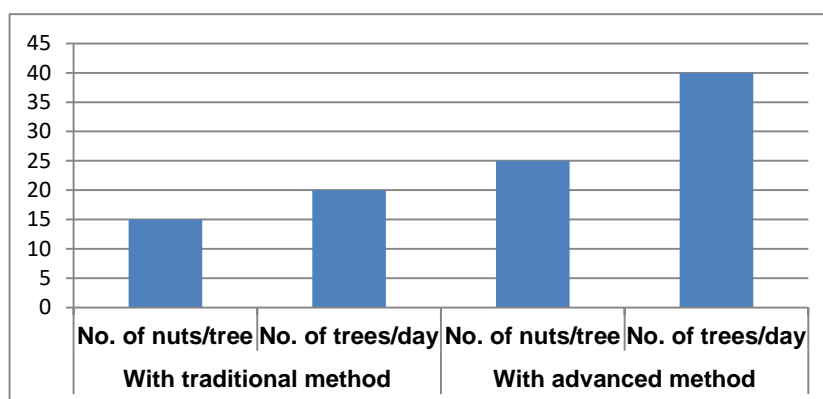
- Total 80 farm youths were trained for safe climbing of coconut trees using coconut tree climber and improved coconut cultivation practices.
- The selection of unemployed youths was made in joint collaboration with department of horticulture, CGS, NGO's, SHG's, Gram panchayat/Krishi Bhavan through media coverage likely by print and electronic media.
- The criteria for selection of trainees: (CDB, 2012) Unemployed and healthy Youths; Free from any physical and mental disability and minimum education up to seventh standard. 10 trainees were selected randomly from 80 trainees.
- The information pertaining to tree climber by traditional methods and advanced method of coconut tree climber was collected through pre-tested schedule by personnel interviews methods and same was collected from trainees after the training programme

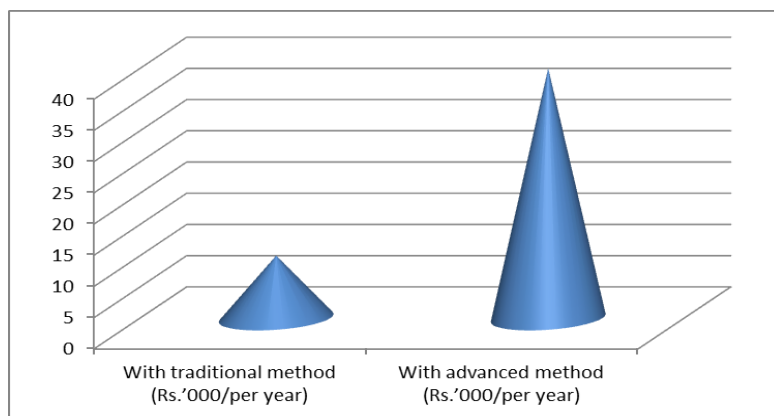
Impact:

The traditional method of harvesting the nuts using knife with bamboo stick for dwarf trees and physically climbing the tall trees was quite risky and accident prone, to overcome these problems, advanced method of coconut tree climber was used. The results were expressed based on average of both traditional method and advanced method of coconut tree climber.

Climber using machine had harvested more number of nuts/tree as well as more number of harvesting trees/day even up to as many as tall of 100-150 feet compared to traditional method of harvesting. There was 58-76.5 per cent increase in income with an average of Rs.20, 000-60,000/-year with advanced method. Whereas, Rs.5, 000-15,000/-year with traditional method the drudgery in tree climbing and improved the climbing efficiency there by providing employment opportunity for rural youths, which has helped them to improve their livelihood.

Sample Trainees	With traditional method		With advanced method		Traditional method by using bamboo stick/physical tree climbing (Rs.'000/per year)	Advanced method (in Rs.'000/per year)	Percent increase over traditional method
	No. of nuts/tree	No. of trees/day	No. of nuts/tree	No. of trees/day			
1	8-9	15-18	40-50	65-70	8-10 (9.0)	30-35 (32.5)	72.3
2	8-10	20-25	30-35	60-65	8-10 (9.0)	20-25 (22.5)	60.0
3	8-12	18-20	25-28	55-60	10-15 (12.5)	30-35 (32.5)	61.5
4	10-12	10-12	40-42	70-75	5-8 (7.0)	20-25 (22.5)	68.9
5	10-12	20-25	20-25	75-80	10-15 (12.5)	35-40 (37.5)	66.6
6	10-12	20-25	30-50	70-80	12-15 (13.5)	55-60 (57.5)	76.5
7	10-15	30-35	40-45	70-75	10-12 (11.0)	30-35 (32.5)	66.2
8	15-20	15-20	25-30	50-60	8-10 (9.0)	30-32 (31.0)	70.9
9	15-20	18-20	25-30	60-65	12-14 (13.0)	30-32 (31.0)	58.1
10	15-25	18-20	20-25	70-75	10-15 (12.5)	30-35 (32.5)	61.5





Conclusions:

- Using Coconut tree climbing machine, harvested the more number of nuts/tree, more number of harvesting trees/day and even up to as many as tall of 100-150 feet compared to the traditional method of harvesting. There was 67.25 per cent increase over income with an average of Rs.40,000/- per year in advanced method of harvesting
- In traditional methods Rs.10,000/- per year income was observed and also drudgery in tree climbing.



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
1	Bengalgram	Broadcasting of puffed rice	Attracting birds for management pod borer	Puffed rice attract birds into the field , birds start feeding on pod borers



10 F. Technology Week celebration during 2019: Nil

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

Other Details

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

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

PART XI – SOIL AND WATER TEST**11.1 Soil and Water Testing Laboratory**A.1. Status of establishment of Lab : **Established**2. Year of establishment : **January 2006**3. List of equipment's purchased with amount: **nil**

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

B. Details of samples analyzed since establishment of SWTL:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages
Soil Samples	18582	16452	11470
Water Samples	17116	15699	11001
Plant samples	-	-	-
Manure samples	-	-	-
Others (specify)	-	-	-
Total	35698	32151	22471

C. Details of samples analyzed during the 2019:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages
Soil Samples	1366	1174	172
Water Samples	1212	1153	140
Plant samples	-	-	-
Manure samples	-	-	-
Others (specify)	-	-	-
Total	2578	2327	312

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:

	Progress during 2019	Cumulative progress
Samples analyzed (No.)	Nil	Nil
Farmers benefited (No.)	Nil	Nil
Villages covered (No.)	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	5-12-2019	10	10	10	10
Mobile Soil Testing Kit	Nil	Nil	Nil	Nil	Nil

11.3 World Soil Health Day celebration

Sl. No.	Farmers participated (No.)	Soil health cards issued (No.)	VIPs (MP/Minister/MLA attended (No.)	Other Public Representatives participated	Officials participate (No.)	Media coverage (No.)
1	80	10	nil	5	12	3

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)

1. Demonstration of new Bhima Super onion variety for higher bulb yield

Characteristics/demonstration of technology:

- Demonstration of Bhima Super Variety for late Kharif
- 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
- Use of yellow sticky traps for management of Thrips@10 No./ha
- Growing of high stature crops as barriers in all along the crop

Achievements:

- The Bhima Super variety very big size, attractive pinkish red color and high yielder compared to Satara Gurva (24.23 t/ha)and gave highest bulb yield of 30.95 t/ha with duration of 130-135 days and 27.73% increased yield over local variety.
- The high economic returns of Rs. 3,71,769/ha in demo plot with B:C ratio of 5.02 compared to check plot of B:C ratio of 4.69

Spread of technology:

- ✓ To create awareness on this technology conducted regular on and off campus training programmes during implementation period.
- ✓ Field days and farmers scientist interaction during kharif campaign help to spread of technology.

Nearly, it was spread in 50 ha during 2017-18 and 100-150 ha during 2018-19.



2. Enhancement chrysanthemum flower productivity through ICM practices

Technology and activity details:

- RDF and FYM-25 t/ha
- Micronutrients: Soil application of ZnSO₄ @ 4 kg/ha and Borax @ 1kg/ha
- Soil application of Trichoderma, PSB, Pseudomonas through enriching of FYM @ 4kg/t
- Spray of Indaxacarb @ 2ml for control of bud borer

Achievements

- Farmers expressed there is slight increase in quality with respect to good color development and yield mainly due to balanced nutrient management
- The flower yield was highest in demo plot of 7.95 t/ha as compared to control plot of 6.30 t/ha and there was 26.12 per cent increased yield with quality flower production by reduced incidence of deformed flower by 1.8% in demo plot
- High economic returns of Rs. 8,27,000/ha (Net returns) with BCR of 4.33 as compared to check plot of BCR of 3.80

Spread of technology:

- To create awareness on this technology conducted regular on and off campus training programmes during implementation period.
- Field days and farmers scientist interaction during kharif campaign help to spread of technology.
- In Hiriyur Tq, the technology was spread over 25 ha and got good results



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

Village Name	Taluk Name	Skill Transfer	Adoption (%)	Impact Before	Impact After	Measures Taken
Ballalasaundra	Hosadurga	New varieties KKM-3	12	Existing varieties are susceptible to yellow mosaic diseases	Higher yield and availability of quality seed materials	The technologies was shared in field day , radio programme, bi-monthly, Krishi meal and news paper
M G Dibba	Hosadurga	Seed Treatment & Seed production of finger millet variety ML-365	8	Non availability of high yielding varieties	Availability of quality seed material of little millet variety DHLM-36-3	The technologies was shared in field day , bi-monthly , Krishi meal, radio programme and news paper
Bommanakunte	Challakere	Production Technology	19	Improper plant population Non availability of quality seeds Imbalance nutrient management	Quality seeds Seed treated with pesticides, bio fertilizers. Gypsum and boron application	Shared technology in field day , krishi mela , Bi-monthly Meeting, radio programme and news paper

PART XIII - LINKAGES

13A. Functional linkage with different organizations

Name of organization	Nature of linkage
Department of Agriculture, Chitradurga	<ul style="list-style-type: none"> Extension activities(conducting <i>Kharif</i> Campaigns , seminars, workshops) , Large scale demonstration , Agri. Inputs . Transfer of technologies through extension functionaries for large scale adoption
Department of Horticulture, Chitradurga	<ul style="list-style-type: none"> Extension activities(conducting <i>Kharif</i> Campaigns , seminars, workshops) , Large scale demonstration , Horti. inputs. Transfer of technologies through extension functionaries for large scale adoption
AIR Chitradurga	<ul style="list-style-type: none"> Dissemination of technology through radio programmes , farm advisories, forecast
Karnataka Agriculture price commission	<ul style="list-style-type: none"> Pilot project on enhancement of farmers income through IFS approach
NABARD	<ul style="list-style-type: none"> Technologies transferred to FPO's of Chitradurga (Coconut and onion)
Animal Husbandry	<ul style="list-style-type: none"> Conducting animal health camp and trainings
Department of forestry	<ul style="list-style-type: none"> 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.)
Promotion of short duration Finger millet variety ML-365	1-8-2019	GoK	3,00,000
Popularization of dry land horticulture crops (Mango, custard apple and tamarind in farmers field)	29-7-2019	GoK	4,00,000
Establishment crop technology and IFS demonstration units in farmers fields through participatory mode	1-8-2019	GoK	9,00,000

Production and popularization <i>Trichoderma</i> in management of wilt disease in Coconut in Chitradurga dist.	24-7-2019	GoK	4,00,000
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 Hiriyyur , Chitradurga	11-9-2019	GoK	3,09,750
Experiment on testing of chemical WCPL-240 on groundnut pest for two season	1-4-2018	Private Company	69,777
Enhancing of Farmers Income & welfare (KAPC)	12-6-2019	GoK	487631

13C. Details of linkage with ATMA

Coordination activities between KVK and ATMA

Sl. 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 , M- Kissan , Best farmer selection (state & district)	5	-	-
02	Research projects	Nil			-
03	Training programmes	Soil health Management, Pest management in crops grown under polyhouse condition, Recent production techniques in Agricultural crops, Organic farming practices, Impact of climate change on crop productivity	10	-	-
04	Demonstrations	Seed treatment , enriched compost	3	-	-
05	Extension Programmes				-
	Kisan Mela	ICM practices	1	1 in collaboration with ATMA at KVK	-
	Technology Week	-	-	-	-
	Exposure visit	-	-	-	-
	Exhibition	Exhibition at Kissan Mela	1	1 in collaboration with ATMA at KVK	-
	Soil health camps	-	-	-	-
	Animal Health Campaigns	-	-	-	-
	Others – Field day	Field day on Bengal gram & Foxtail millet	2	-	-
06	Publications				-
	Video Films	-	-	-	-
	Books	-	-	-	-
	Extension Literature	-	-	-	-
	Pamphlets	-	-	-	-
	Others (Pl. specify)	-	-	-	-
07	Other Activities (Pl. specify)				-
	Watershed approach	-	-	-	-
	Integrated Farm Development	-	-	-	-

	Agri-preneurs development	-	-	-	-
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13D. Give details of programmes implemented under National Horticultural Mission

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

13E. Nature of linkage with National Fisheries Development Board

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

13F. Details of linkage with RKVY

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

13G. Kisan Mobile Advisory Services

Month	Message type (Text/Voice)	SMS/voice calls sent (No.)						Total SMS/Voice calls sent (No.)	Farmers benefitted (No.)
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprises		
January	Nil	-	-	-	-	-	-	-	-
February	Nil	-	-	-	-	-	-	-	-
March	Nil	-	-	-	-	-	-	-	-
April	Nil	-	-	-	-	-	-	-	-
May	Nil	-	-	-	-	-	-	-	-
June	Nil	-	-	-	-	-	-	-	-
July	Nil	-	-	-	-	-	-	-	-
August	Nil	-	-	-	-	-	-	-	-
September	Nil	-	-	-	-	-	-	-	-
October	Nil	-	-	-	-	-	-	-	-
November	Nil	-	-	-	-	-	-	-	-
December	Nil	-	-	-	-	-	-	-	-
Total	Nil	-	-	-	-	-	-	-	-

PART XIV- PERFORMANCE OF INFRASTRUCTURE IN KVK

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

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

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

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of produce	Quantity	Cost of inputs	Gross income	
Cereals									
Foxtail millet	10-06-19	20-12-19	0.8	HMT -	Certified	75 kgs	To be sold		Yield decreased due to moisture stress during early stage of crop growth
Pulses									
Soybean	09-06-2019	15-09-2019	1.0	DSB -21	Foundation	70 kgs	To be sold		Yield decreased due to moisture stress during critical stages of crop growth
Redgram	11-06-2019	Yet to harvest	2.0	BRG -5	Foundation	-	-	-	Crop failure due to moisture stress
Bengalgram	10-10-2019	Yet to harvest	2.0	JG-11	Certified	20 q	To be sold		Harvested
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Mango						140 kgs	4200		
Vegetables									
Palak									
Coriander									
Amaranthus	15-07-2019	30-08-2019	15X 2 feet each	IIHR vsriety					Harvested and sold
Dill									
Methi									
Others Fodder	05-06-2019	13-06-19	0.2	COF S-31	----	110 kgs	Yet to sold		Harvested and seeds kept for germination

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	
1	<i>Trichoderma</i>	200 kg	9600	20000	-

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	
1	Poultry	Giriraja Swarnadhara	Meat/egg	504	1,44,666	1,71,303	6 birds are maintained for demo unit

14E. Utilization of hostel facilities

Accommodation available (30 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	17 No's	6 days	-
August	22 No's	1 day	-
September	-	-	-
October	-	-	-
November	20 No's	6 days	-
December	62 No's	1 day	-

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.)		
Nil	Nil	Farm pond Drip & sprinkler	19	-	-	462	71	1764	0.5 ha

15.5 CFLD on Oilseed : As per the excel sheet enclosed

Not applicable

15.6 Seed on Pulses : As per the excel sheet enclosed

Not applicable

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
Resource person	20.5.2019	30	24	54	16	10	26	8	2	10
Resource person	25.5.2019	71	13	84	16	10	26	6	1	7
Resource person	16.05.2019	43	13	56	29	8	37	4	4	8
Resource person	18.05.2019	29	12	41	21	10	31	3	2	5
Resource person	18.6.2019	90	16	106	62	12	74	7	2	9
Resource person	18.6.2019	80	16	96	42	22	64	8	3	11
Resource person	26.6.2019	160	30	190	40	0	40	4	2	6
Resource person	26.7.2019	90	40	130	50	20	70	5	3	8

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
Jala shakthi abhiyana,	26-07-2019	80	40	240	60	20	80	4	2	6
	26-08-2019	23	12	70	17	6	23	1	1	2
	19-09-2019	20	10	60	15	5	20	1	1	2
	23-09-2019	26	13	77	19	6	26	1	1	2
	02-11-2019	34	17	101	25	8	34	2	1	3
	18-11-2019	36	18	108	27	9	36	2	1	3
	27-12-2019	376	188	1128	282	94	376	19	9	28

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 2019-20 (01-04-2019 to 31-12-2019) (Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	104.65	104.65	82.66
2	Traveling allowances	1.00	1.00	1.00
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.25	2.25	2.24
B	POL, repair of vehicles, tractor and equipments	1.25	1.25	1.18
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	0.80	0.80	0.63
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.35	0.35	0.22
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2.10	2.10	1.53
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.30	0.30	0.20
G	Training of extension functionaries/HRD/Training programme	0.25	0.25	0
H	Maintenance of buildings	-	-	-
I	Establishment of Soil, Plant & Water Testing Laboratory	-	-	-
J	Library	0.03	0.03	0.03
K	Extension Activities	0.25	0.25	0.23
L	SWT & issue of SHC	0.25	0.25	0
M	Nutrigardens	0.25	0.25	0.14
TOTAL (A)		113.73	113.73	90.06
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)		113.73	113.73	90.06

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2016 to March 2017	14.50	11.93	12.71	13.72
April 2017 to March 2018	13.72	9.47	11.23	11.97
April 2018 to March 2019	11.97	9.60	11.58	9.99
April 2019 to December 2019	9.99	7.81	8.56	9.24

17. Details of HRD activities attended by KVK staff

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr. Rudragouda F. C	Scientist (Agronomy)	e-SAP	UAHS, Shivamogga	12-7-2019
Dr. Prakash Kerure	Scientist (Horticulture)	e-SAP	UAHS, Shivamogga	12-7-2019
Dr. S. Onkarappa	Scientist (Agronomy)	e-SAP	UAHS, Shivamogga	12-7-2019
Dr. S. Onkarappa	Sr. Scientist & Head	Faculty development programme for increasing efficiency in Teaching, Research and Extension	Organised by ICAR-National Academy of Agricultural Research Management, Rajendranagar, Hyderabad at Navile, UAHS, Shivamogga	4 th to 8 th February 2019
Dr. Rudragouda F. C	Scientist (Agronomy)	A Family approach to doubling the farmers income	UAS D	16-1-2019 to 5-2-2019
Dr. Prakash Kerure	Scientist (Horticulture)	Faculty development programme for increasing efficiency in Teaching, Research and Extension	Organised by ICAR-National Academy of Agricultural Research Management, Rajendranagar, Hyderabad at Navile, UAHS, Shivamogga	4 th to 8 th February 2019

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

Nil