UNIVERSITY OF AGRICULTURAL SCIENCES
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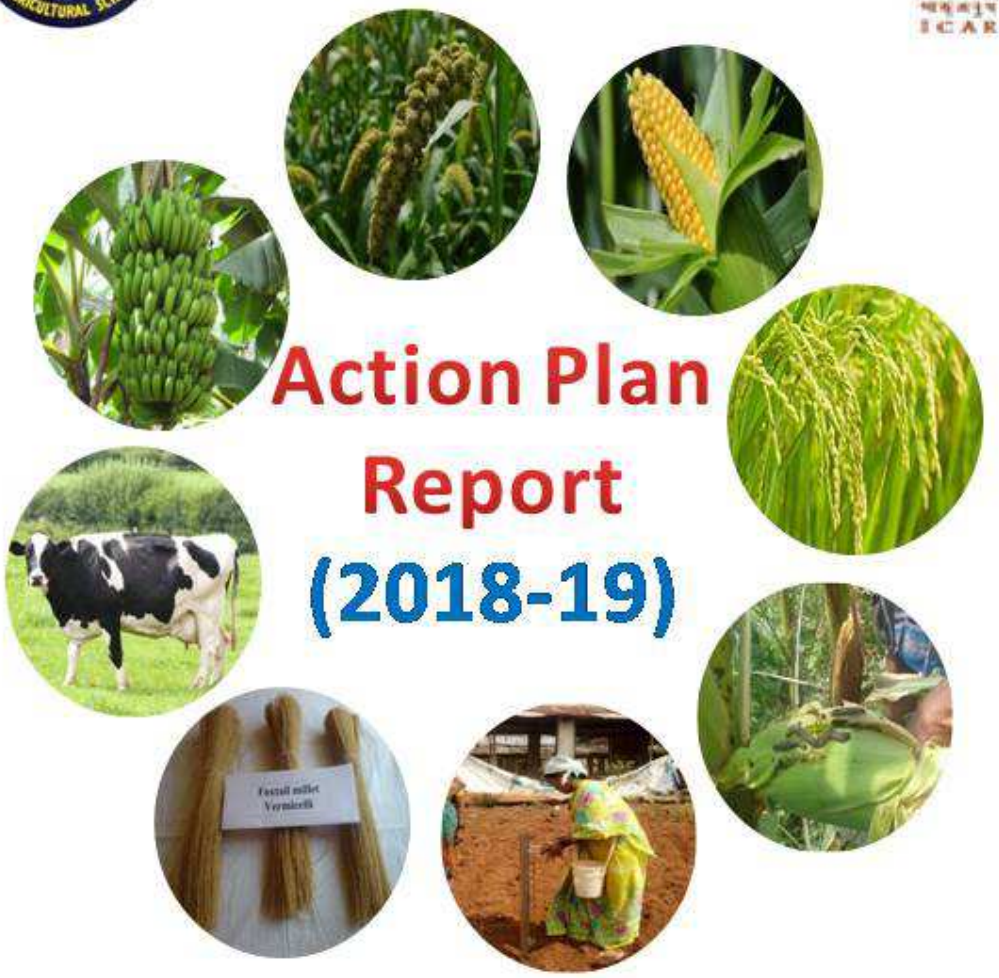

Action Plan Report (2018-19)

ICAR-KRISHI VIGYAN KENDRA
HANUMANAMATTI – 581 115
RANEBENNUR (Tq.), HAVERI (Dt.)
KARNATAKA

CONTENTS

ICAR-ATARI – ZONE XI, BENGALURU

ACTION PLAN OF KVKS IN ZONE XI FOR THE YEAR 2018-19

1. General information about the Krishi Vigyan Kendra

1.	Name and address of KVK with Phone, Fax and e-mail, Website	:	ICAR-Krishi Vigyan Kendra, Hanumanamatti-581115 Ranebennur Taluk, Haveri District, Karnataka State Ph: 08373-253524, Fax: 08373-253524 Email: kvk.Haveri@icar.gov.in / kvk_haveri@rediffmail.com www.kvkhaveri.org
2.	Name and address of host organization	:	University of Agricultural Sciences, Krishi Nagar, Dharwad
3.	Year of sanction	:	1976
4.	Name of agro-climatic zone	:	**Northern transitional zone (Zone-VIII**) Haveri, Byadgi, Hirekerur, Ranebennur, Savanur, Shiggaon, Rattihalli **Hilly zone (Zone-IX)** Hangal
5.	Major farming systems/enterprises	:	Agri+Horti, Agri. + Forestry, Dairy, Poultry. Sheep & goat, IG activities
6.	Soil type	:	Red loamy, Medium deep black, Deep black and Shallow red
7.	Annual rainfall (mm)	:	792.70

2. Details of staff as on date

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	Existing Pay band	Grade Pay	Date of joining	Permanent / Temporary	If vacant action plan for filling the post on permanent basis
1.	Senior Scientist and Head	Dr. P. Ashoka	Agronomy	37400-67000	9000	03.02.18	Permanent	-
2.	Scientist	Dr. K. P. Gundannavar	Ag. Entomology	15600-39100	7000	05.06.17	Permanent	-
3.	Scientist	Mr. Harish D. K	Horticulture	15600-39100	6000	04.04.17	Permanent	-
4.	Scientist	Dr. Venkanna Balaganur	Animal Science	15600-39100	6000	24.07.17	Permanent	-
5	Scientist	Dr. Shivamuruthy D	Agronomy	15600-39100	6000	20.02.18	Permanent	-
6	Scientist	Dr. Kumar B H	Soil Science	15600-39100	6000	31.03.18	Permanent	-
7	Scientist	Vacant	Ag. Extn.	-	-	-		-
8	Programme Assistant	Mr. Kishna Naik L	Programme Assistant (Lab)	9300-34800-	4200	09.05.17	Permanent	-
9	Computer Programmer	Ms. Rekha K. N.	Prog. Asst. (Computer)	9300-34800	4200	12.11.08	Permanent	-
10	Farm Manager	Mr.Kallesh D T	Farm Manager	9300-34800	4200	14.07.16	Permanent	-
11	Assistant	Mrs. Kavita S Lohar	Assistant	16000-29600	-	23.07.15	Permanent	-
12	Stenographer	Vacant	-	-	-	-	-	-
13	Driver 1	Mr. Santhosh L Naik	Driver (LMV)	11600-21000	-	02.04.18	Permanent	-
14	Driver 2	Vacant	-	-	-	-		-
15	Supporting staff 1	K. B. Belakeri	Supporting staff Grade-II	10400-16400	-	01.07.02	Permanent	-
16	Supporting staff 2	Vacant	-	-	-	-		-

3. Details of SAC meeting conducted during 2018-19

Sl. No	Tentative date of SAC meeting proposed during 2018-19
01	June-2018

4. Capacity Building of KVK Staff

A. Plan of Human Resource Development of KVK personnel during 2018-19

S. No	Category	Area of training	Institution proposed to attend	Justification	Details of trainings attended during 2017-18
1.	Senior Scientist and Head	MDP for Newly Recruited Programme Co-ordinators of KVK	NAARM Hyderabad	To manage the KVK organization	-
2.	Scientist (Ag. Entomology)	Innovative approaches and methods in insect bio diversity conservation	TNAU, Coimbatore	To conserve insects of use and preserve bio diversity	1. Training Programme on Early Career Motivation held from 25.11.17 to 30.11.17 at UAS Dharwad 2. Winter school (21 days) on Agro Ecosystem Analysis (AESA) based "Plant Health Management (PHM) in conjunction with Ecological Engineering for Pest Management - Vegetables" from 18.01.18 to 07.02.18, NIPHM, Hyderabad
4.	Scientist (Horticulture)	Plant genetic resources in major, minor & under exploited vegetables crops	UHS, Bagalkot UAS, Dharwad	To gain Knowledge	1. Training Programme on improving Agricultaral Extension and Advisory Services held from 19.04.2017 to 21.04.2017 at MANAGE Hyderabad 2. Induction Training Course held from 24.04.2017 to 06.05.2017 at UAS Dharwad 3. Orientation training for KVK Scientists held from 10.08.2017 to 12.08.2017 at KVK Hulkoti, Gadag 4. Winter school (21 days) Protected cultivation special reference to Hydroponic & Aero phonics, from 10th Jan to 31st Jan-2018 at UAS, Dharwad 5. One Day Orientation Training Programme held on 09.02.18 at IIHR Bengaluru

S. No	Category	Area of training	Institution proposed to attend	Justification	Details of trainings attended during 2017-18
5	Scientist – (Animal Science)	1. Advance technologies in Ruminant feeding	NIANP, Bengaluru	To gain Knowledge	1. Orientation training for KVK Scientists held from 10.08.2017 to 12.08.2017 at KVK Hulkoti, Gadag 2. Training Programme on Early Career Motivation held from 25.11.17 to 30.11.17 at UAS Dharwad 3. One Day Orientation Training Programme held on 06.02.18 at NIANP Bengaluru
		2. Application of advanced statistical tools in agriculture research	UAS, Dharwad	To gain Knowledge	-
		3. Advanced Poultry management	CPDO, Bengaluru/ CARI, Izatnagar	To gain Knowledge	-
6	Scientist- (Agronomy)	1. Organic farming and its relevance in present day agriculture	UAS, Dharwad	To gain Knowledge	1. Induction Training Course held from 24.04.2017 to 06.05.2017 at UAS Dharwad
		2. Application of advanced statistical tools in agriculture research	UAS, Dharwad	To gain Knowledge	
7	Scientist (Soil science)	1. Human resource management	NAARM, Hydrabad	To gain Knowledge	-
		2. Application of advanced statistical tools in agriculture research	UAS, Dharwad	To gain Knowledge	-
		3. Agriculture research and extension management	NAARM, Hydrabad	To gain Knowledge	-
		3. Organic farming and its relevance in present day agriculture	UAS, Dharwad	To gain Knowledge	-

S. No	Category	Area of training	Institution proposed to attend	Justification	Details of trainings attended during 2017-18
8	Programme Assistant –Lab tech.	Soil testing kits updates	IARI, New Delhi	To gain Knowledge about documentation and soil testing procedure	-
9	Computer Programmer	1. To Develop mobile application	MANAGE, Hydrabad	To develop Mobile application	-
		2. Application of advanced statistical tools in agriculture research	UAS, Dharwad	To gain Knowledge	
10	Farm Manager	Seed production of field crops	UAS, Dharwad	To gain Knowledge	-
11	Administrative	-	-	-	-

B. Cross-learning across KVKs

S. No.	Name of the KVK proposed	Purpose	Mode of learning
1	KVK, Sirsi	Bee keeping	Visit to KVK
2	KVK, Gadag	Value addition to food and fruit crops	Visit to KVK
3	KVK, Dharwad	Horticulture nursery, Soil testing equipments up gradation & documentation	Visit to KVK
4	KVK, Vijayapura	Soil and water conservation	Visit to KVK
5	KVK, Bagalakot	Hydroponics, Vermi-compost unit, Farm pond with aqua culture	Visit to KVK
6	KVK, Baramati	Information and Communication Technology	Visit to KVK

5. Proposed cluster of KVKs (3 to 5 neighboring KVKs) to be formed for sharing knowledge/expertise, resources and activities

S. No.	Name of the KVK included in the cluster	Nature of sharing		
		Knowledge/expertise	Resources (facilities and products)	Activities
1	KVK, Hirehalli, Tumkur	Horticulture crops	Seeds & Micronutrient mixtures	FLD
2	KVK, Gadag	IGA, FPO activities	SHG products, Marketing	EDP
3	KVK, Dharwad	Nursery	Planting materials	Demo. units
4	KVK, Uttara Kannada	Fodder slip, cultivation practices of Arecanut and medicinal aromatic plants.	Seedlings and Silvipasture information	Demo. units
5	KVK, Davanagere	Rainwater harvesting structure, Hydroponics, Dairy, Nursery activities, Banana special and Reporting	Micronutrient mixture and KVK Activity Documentation	Demo. Units

6. Plan of Work for 2018-19

A. Operational areas details proposed

SN	Taluk/ block	Name of cluster villages		Major crops & enterprises being practiced	Major problems identified	Identified thrust areas based on problems	If existing from which year
		Existing	New				
1.	Byadgi	Khurdaveer apura	-	Maize, Cotton, Vegetables, seed production	• Lack of knowledge • Poor soil fertility • Incidence of pest and diseases	Integrated Crop Management	2017
2.	Byadgi	Khurdaveer apura	-	Maize, Cotton, Vegetables, seed production	• Lack of knowledge • Poor soil fertility • Lack of knowledge on improved varieties • Incidence of pest and diseases	Integrated Crop Management	2017
3.	Byadgi	-	Ramgondana halli	Maize, Cotton, Vegetables, Livestock	• Low milk yield and fat • Low Solids Not Fat(SNF)	Live stock Nutrition management	2018
4.	Byadgi	-	Alalageri	Maize, Cotton, Vegetables, Mango	• Low yield • Incidence of leaf hopper and powdery mildew	IPDM	2018
5.	Byadgi	-	Kallapur	Maize, Cotton, Vegetables, Mango	• Pest infestation damages the quality of grains • Fluctuation in moisture content due to change in temperature spoils grains during storage	Pest Management	2018
6.	Byadgi	-	Kengonda	Maize, Cotton, Vegetables, Mango	• Pest infestation damages the quality of grains • Fluctuation in moisture content due to change in temperature spoils grains during storage	Pest Management	2018
7.	Byadgi	-	Alalageri	Maize, Cotton, Vegetables, Mango	• Low yield • Incidence of leaf hopper and powdery mildew	IPDM	2018
8.	Hanagal	Lakumapur a	-	Paddy, Maize, Sugarcane	• Micro nutrient deficiency • Low yield due to poor soil fertility	Integrated Crop Management	2017

S N	Taluk/ block	Name of cluster villages		Major crops & enterprises being practiced	Major problems identified	Identified thrust areas based on problems	If existing from which year
		Existing	New				
9.	Hangal	-	Kamanahalli	Mango, Pulses, Paddy, Maize, Dairy, fodder crop	• Flower dropping • Fruit dropping • Powdery mildew incidence • Low yield due to poor fruit set.	Integrated Crop Management	2018
10.	Hangal	-	Akkialur	Paddy, Maize,Bt-cotton, Dairy, Agarabatti unit	• Low productivity of milk due to scarcity of green fodder • Lack of energy and protein source	Fodder Bank	2018
11.	Hangal	-	Akkialur	Soybean, Paddy, Maize,Bt-cotton, Dairy, Agarabatti unit	• Low yield due to use of local variety • Poor nutrient management • Improper pest and disease management	ICM	2018
12.	Haveri	Kurabagonda	-	Vegetables, Bt-cotton, Sericulture, Maize, Dairy	• Milk fever in dairy cattle • Calcium deficiency	Disease management in Livestock	2017
13.	Haveri	Kurabagonda	-	Vegetables, Bt-cotton, Sericulture, Maize, Dairy	• Fluctuating vegetable prices • Lack of awareness on kitchen waste management	Nutritional security	2017
14.	Haveri	-	Sanguru	Sugarcane, Paddy, Vegetables, Arecanut, Blackgram	• Low soil fertility due to mono cropping of Sugarcane • Zn & Fe deficiency in Sugarcane • Current yield of Sugarcane : 45-55 q/ha • Potential yield: 70-80 q/ha • Reasons for yield gap: • Early stage micronutrients deficiencies	INM	2018
15.	Hirekerur	-	Chinnamulagunda	Chilli, Maize, Bt-cotton	• Use of local varieties • Lack of knowledge on pest and disease management	Integrated Crop Management	2018
16.	Hirekerur	-	Rattihalli	Maize, Bt-cotton, Vegetables, Livestock	• Higher incidence of Sub clinical Mastitis • Low milk yield • Low milk quality	Live stock disease management	2018

S N	Taluk/ block	Name of cluster villages		Major crops & enterprises being practiced	Major problems identified	Identified thrust areas based on problems	If existing from which year
		Existing	New				
17.	Hirekerur	-	Yogikoppa	Maize, Bt-cotton, Vegetables, Livestock	• Poor nutrient management • Sucking pest incidence • Pink boll worm incidence • Reddening • Low yield	Integrated Crop Management	2018
18.	Hirekerur	-	Dobihalli	Banana, Areacanut, Maize, Cotton, Rabi Jowar, Geengram	• Lack of Knowledge about nutrient management • Low banana yield • Improper pest and disease management	INM	2018
19.	Hirekerur	-	Abaluru	Maize, Banana , Cotton, Chilli	• Lack of Knowledge about micro nutrient management • Low yield in tomato • Improper formulation of micronutrients	INM	2018
20.	Hirekerur	Rattihalli		Maize, Banana , Cotton, Chilli	• Higher incidence of subclinial mastitis, low milk quality, low milk yield	Dairy management	2016
21.	Ranebennur	-	Kudarihala	Maize, Bt-cotton, Vegetables, Sheep & goat unit	• High cost of feeding balanced growth ration to Lambs	Animal nutrition management	2018
22.	Ranebennur	Belur	-	Paddy, Maize	• Poor crop management • Low yield due to micronutrient deficiency • Pest and disease incidence	Integrated Nutrient Management	2017
23.	Ranebennur	-	Kamadod	Maize, Bt-cotton, vegetables, Dairy	• Micro nutrient deficiency • Pest & disease incidence	Integrated Crop Management	2018
24.	Ranebennur	-	Manakur	Maize, Bt-cotton, vegetables, Dairy	• Micro nutrient deficiency • Pest & disease incidence	Integrated Crop Management	2018
25.	Ranebennur	-	Ukkunda	Maize, Bt-cotton, Vegetables, Fodder	• Low yield due to use of local variety • Lodging and poor fodder quality	Integrated Crop Management	2018
26.	Ranebennur	-	Honnatti	Onion, Maize, Bt-cotton, Betel vine	• Low yield due to lack of knowledge • Incidence of wilt • Poor crop management	Integrated Crop Management	2018

S N	Taluk/ block	Name of cluster villages		Major crops & enterprises being practiced	Major problems identified	Identified thrust areas based on problems	If existing from which year
		Existing	New				
27.	Ranebennur	-	Nelavagalu	Paddy, Maize, Redgram, Coconut, Rabi Sorghum	• Lack of awareness of micronutrient usage • Low Silicon content in the Soil • Low yielding Incidence of Pest and disease	INM	2018
28.	Shiggaon	-	Jekinakatti	Millets, Bt-cotton, Maize, Dairy	• Lack of knowledge about varieties • Low yield due to poor crop management	Integrated Crop Management	2018
29.	Shiggaon	-	Dundashi	Millets, Bt-cotton, Maize, Dairy	• Lack of knowledge about varieties • Low yield due to poor crop management	Integrated Crop Management	2018

Prioritized problems and KVK interventions proposed

Crop/ enterprise	Taluk/ block	Prioritized problems	Technological solution	Interventions proposed (please tick)				
				OFT	FLD	Training	Extension programmes	Production of technology inputs
Chilli	Byadgi	• Poor soil fertility • Lack of knowledge about improved varieties • Incidence of pest and diseases	Varietal introduction	√	-	√	√	-
Mango	Byadgi	• Low yield • Incidence of leaf hopper and powdery mildew	Integrated pest & disease management in Mango	√	-	√	√	-
Cabbage	Byadgi	• Poor crop management • Incidence of pest and diseases • Lack of knowledge about technologies	Integrated Crop Management in Cabbage	-	√	√	√	-
Dairy	Byadgi	• Low milk yield • Low milk fat • Low Solids Not Fat(SNF)	UMMB as source of Energy, Protein and minerals	-	√	√	√	-
Enterprise	Byadgi	• Pest infestation damages the quality of grains • Fluctuation in moisture content due to change in temperature spoils grains during storage	Super Grain Bags to prevent store grain pests	-	√	√	√	-
Soybean	Hangal	• Low yield due to use of local variety • Poor nutrient management • Improper pest and disease management	Integrated Crop Management in Soybean	-	√	√	√	-
Fodder	Hangal	• Low productivity of milk due to scarcity of green fodder	Fodder cafeteria containing single and multicut varieties of cereal and leguminous fodder supplying green fodder	-	√	√	√	-

Crop/ enterprise	Taluk/ block	Prioritized problems	Technological solution	Interventions proposed (please tick)				
				OFT	FLD	Training	Extension programmes	Production of technology inputs
Mango	Hangal	• Flower dropping • Fruit dropping • Powdery mildew incidence • Low yield due to poor fruit set.	Integrated Crop Management in Mango	-	√	√	√	-
Paddy	Hangal	• Micro nutrient deficiency in paddy field area • Lack of knowledge about micro nutrients	Boron application in paddy	√	-	√	√	-
Sugarcane	Haveri	• Low soil fertility due to mono cropping of Sugarcane • Zn & Fe deficiency in Sugarcane • Current yield of Sugarcane : 45-55 q/ha • Potential yield: 70-80 q/ha • Reasons for yield gap: • Early stage micronutrients deficiencies	Micronutrient management in early crop growth stages of Sugarcane	√	-	√	√	-
Dairy	Haveri	• Milk fever in dairy cattle	Pre partum feeding of Anionic mineral mixture	-	√	√	√	-
Chilli	Hirekerur	• Low yield and inferior quality • Lack of knowledge on pest and disease management	Integrated Crop Management in Green chilli	-	√	√	√	-
Banana	Hirekerur	• Lack of Knowledge about nutrient management • Low banana yield • Improper pest and disease management	Demonstration of Banana special (source of micronutrients) in Banana	-	√	√	√	-

Crop/ enterprise	Taluk/ block	Prioritized problems	Technological solution	Interventions proposed (please tick)				
				OFT	FLD	Training	Extension programmes	Production of technology inputs
Tomato	Hirekerur	• Lack of Knowledge about micro nutrient management • Low yield in tomato • Improper formulation of micronutrients	Integrated Nutrient Management in tomato	-	√	√	√	-
Dairy	Hirekerur	• Higher incidence of subclinial mastitis, low milk quality, low milk yield	Clean milk production	-	√	√	√	-
Paddy	Ranebennur	• Low yield due to micronutrient deficiency • Pest and disease incidence • Lack of knowledge about crop management practices	Integrated Crop Management in transplanted Paddy	-	√	√	√	-
Onion	Ranebennur	• Low yield (160-180q/ha) in local varieties needs replacement of new varieties • High incidence of purple blotch	• Use of improved varieties • Integrated nutrient management • IPDM	-	√	√	√	-
Maize	Ranebennur	• Low yield due to poor crop management • Micro nutrient deficiency • Pest incidence	Integrated Crop Management in Maize	-	√	√	√	-
Sheep & goat	Ranebennur	• High cost of feeding balanced growth ration to Lambs	Detoxified karanja cake as protein source	√	-	√	√	-
Betelvine	Ranebennur	• Low yield due to poor crop management • Incidence of wilt	Integrated Crop Management in Betelvine	-	√	√	√	-
Sorghum	Ranebennur	• Low yield due to use of local variety • Lodging and poor fodder quality	Demo. of *rabi* sorghum variety (SPV-2217)	-	√	√	√	-

Crop/ enterprise	Taluk/ block	Prioritized problems	Technological solution	Interventions proposed (please tick)				
				OFT	FLD	Training	Extension programmes	Production of technology inputs
Paddy	Ranebennur	• Lack of awareness of micronutrient usage • Low Silicon content in the Soil • Low yielding Incidence of Pest and disease	Effect of Silicon application in Paddy	√	-	√	√	-
Little Millet	Shiggaon	• Lack of awareness on new varieties • Low yield due to poor crop management	Varietal introduction	-	√	√	√	-
Foxtail millet	Shiggaon	• Low yield due to poor crop management • Lack of awareness on new varieties	Varietal introduction	-	√	√	√	-

7. Details of technological interventions

A. Technology Assessment

7. A.1. Crops

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	Problem Definition	Area (ha)	No. of Trials	Critical Inputs Provided & Total Amount (DBT)			
1	2	3	4	5	6	7	8		9	10			
1	Assessment of Boron application in paddy	INM	Cereal	Paddy	Local	Rainfed	Micro nutrient deficiency Lack of knowledge about micronutrient use	2	5		**Inputs**	**Qty**	**Cost/trial**
										T_1	-	-	-
										T_2	$ZnSO_4$	4 kg	440
										T_3	$ZnSO_4$	4 kg	440
											Borax	4 kg	800
										T_4	$ZnSO_4$	4 kg	440
											Solubor	200 g	80
										Amount/trial			**2200**
										Total Amount for 5 trials			**11000**

SN	Title	Male		Female		Farmers Practice	Recommended Practice (RP)	Source of Technology (RP)
		Others	SC/ST	Others	SC/ST			
1	2	11	12	13	14	15	16	17
1	Assessment of Boron application in paddy	3	1	1	-	Use of only high dose of NPK	RDF (100:50:50 NPK kg/ha. + $ZnSO_4$ 20 kg/ha)	UAS Dharwad

SN	Title	Tech. Option1	To1: Source of Technology	Tech. Option2	To2: Source of Technology	Tech. Option3	To3: Source of Technology	Tech. Option4	To4: Source of Technology
1	2	18	19	20	21	22	23	24	25
1	Assessment of Boron application in paddy	Farmers' practice	-	RDF (100:50:50 NPK kg/ha. + $ZnSO_4$ 20 kg/ha)	UAS Dharwad	TO_2+Soil application of Boron at 2 kg /ha	ICRISAT, Hyderabad	TO_2 + Foliar Spray of 0.2% Boron at flowering	DRR Hyderabad

SN	Title	Primary Parameter (yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	26	27	28	29	30	31
1	Assessment of Boron application in paddy	Grain yield	q/ha	Plant height at harvest	cm	No. of panicle / Plant	No.

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	Problem Definition	Area (ha)	No. of Trials	Critical Inputs Provided & Total Amount (DBT)			
1	2	3	4	5	6	7	8		9	10			
2	Assessment of chilli hybrids for yield potential, disease & pest resistance	ICM	Vegetable	Chilli	Public hybrid	Irrigated	• Lack of knowledge • Poor soil fertility • Lack of knowledge on improved varieties • Incidence of pest and diseases	0.6	3		**Inputs**	**Qty**	**Cost/trial**
										T_1	-	-	-
										T_2	KBCH-1	60 gm	1300
										T_3	Arka Meghana	60 gm	2000
										Total/ trial			**3300**
										Total Amount for 3 trials			**9900**

SN	Title	Male		Female		Farmers Practice	Recommended Practice (RP)	Source of Technology (RP)
		Others	SC/ST	Others	SC/ST			
1	2	11	12	13	14	15	16	17
2	Assessment of chilli hybrids for yield potential, disease & pest resistance	1	1	1	-	Local hybrid (Sitara)	• KBCH-1 (1.8 kg) • Arka Meghana(1.8 kg)	UAS, Bengaluru IIHR, Bengaluru

SN	Title	Tech. Option1	To1: Source of Technology	Tech. Option2	To2: Source of Technology	Tech. Option3	To3: Source of Technology	Tech. Option 4	To4: Source of Technology
1	2	18	19	20	21	22	23	24	25
2	Assessment of chilli hybrids for yield potential, disease & pest resistance	Farmers' practice	-	KBCH-1	UAS, Bengaluru	Arka Meghana/ Arka Khyti	IIHR, Bengaluru	-	-

SN	Title	Primary Parameter (yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	26	27	28	29	30	31
2	Assessment of chilli hybrids for yield potential, disease & pest resistance	Fruits/ Plant	No.	Yield	q/ha	Disease incidence	%

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	Problem Definition	Area (ha)	No. of Trials	Critical Inputs Provided & Total Amount (DBT)			
1	2	3	4	5	6	7	8		9	10			
3	Management of Leaf hopper and powdery mildew in Mango	IPDM	Horticulture	Mango	Variety (Alphonso)	Rainfed	• Incidence of leaf hopper and powdery mildew • Low yield	0.2	03		**Inputs**	**Qty**	**Cost/ trial**
										T_1	-	-	-
										T_2	Imidacloprid	100 ml	550
											Hexaconazole	500 ml	450
										T_3	Lambdacyhalothrin	500 ml	300
											Difenconazole	500 ml	980
											Amount/trial		**2280**
											Total Amount for 3 trials		**6840**

SN	Title	Male		Female		Farmers Practice	Recommended Practice (RP)	Source of Technology (RP)
		Others	SC/ST	Others	SC/ST			
1	2	11	12	13	14	15	16	17
3	Management of Leaf hopper and powdery mildew in Mango	01	01	01	0	Spraying of high dose of pesticides	Application of Imidacloprid @ 0.25 ml + Hexaconazole 1 ml/L @ flower initiation stage and @ fruit setting stage	UHS, Bagalakote

SN	Title	Tech. Option1	To1: Source of Technology	Tech. Option2	To2: Source of Technology	Tech. Option3	To3: Source of Technology	Tech. Option4	To4: Source of Technology
1	2	18	19	20	21	22	23	24	25
3	Management of Leaf hopper and powdery mildew in Mango	Farmers practice	-	Application of Imidacloprid @ 0.25 ml + Hexaconazole 1 ml/L @ flower initiation stage and @ fruit setting stage	UHS, Bagalakote	Application of Lambdacyhalothrin @ 0.5 ml + Difenconazole 1 ml/L @ flower initiation stage and @ fruit setting stage	IIHR Bengalore	-	-

SN	Title	Primary Parameter (yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	26	27	28	29	30	31
3	Management of Leaf hopper and powdery mildew in Mango	Yield	t/ha	Leaf hopper damage	%	Powdery mildew incidence	%

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	Problem Definition	Area (ha)	No. of Trials	Critical Inputs Provided & Total Amount (DBT)			
1	2	3	4	5	6	7	8		9	10			
4	Effect of Silicon application in Paddy	Nutrient management	Cereals	Paddy	Local	Irrigated	• Lack of awareness of micronutrient usage • Low Silicon content in the Soil • Low yielding Incidence of Pest and disease	03	03		**Inputs**	**Qty**	**Cost/trial**
										T_1	**Farmers Practices**		
										T_2	Silic acid	1 L	1000
											Soil Analysis (Before & After)	1 No	1000
										T_3	Silic acid	1 L	1000
											Soil Analysis (Before & After)	1 No	1000
										Amount/trial			**4000**
										Total Amount for 3 trials			**12000**

SN	Title	Male		Female		Farmers Practice	Recommended Practice (RP)	Source of Technology (RP)
		Others	SC/ST	Others	SC/ST			
1	2	11	12	13	14	15	16	17
4	Effect of Silicon application in Paddy	02	01	0	0	Farmers Practices	-	-

SN	Title	Tech. Option1	To1: Source of Technology	Tech. Option2	To2: Source of Technology	Tech. Option3	To3: Source of Technology	Tech. Option4	To4: Source of Technology
1	2	18	19	20	21	22	23	24	25
4	Effect of Silicon application in Paddy	Silicon spray @ 2 ml/L, 2 sprays at 25 and 40 days after planting	UAS, Bengaluru	Silicon spray @ 2 ml/L, 3 sprays at 25, 40 and 55 days after planting	UAS, Bengaluru	-	-	-	-

SN	Title	Primary Parameter (yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	26	27	28	29	30	31
4	Effect of Silicon application in Paddy	Yield	q/ha	Tillers	No.	Productive tiller	No.

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	Problem Definition	Area (ha)	No. of Trials	Critical Inputs Provided & Total Amount (DBT)			
1	2	3	4	5	6	7	8		9	10			
5	Micronutrient management in early crop growth stages of Sugarcane	Micro nutrient	Commercial crop	Sugarcane	Local	Irrigated	• Low soil fertility due to mono cropping of Sugarcane • Zn & Fe deficiency in Sugarcane • Current yield of Sugarcane : 45-55 q/ha • Potential yield: 70-80 q/ha • Reasons for yield gap: • Early stage micronutrients deficiencies	3	3		**Inputs**	**Qty**	**Cost/ trial**
										T_1	$ZnSO_4$	10 kg	1100
											$FeSO_4$	10 kg	1200
											Soil Analysis (Before & After)	1 no	800
										T_2	$ZnSO_4$	5 kg	550
											$FeSO_4$	5 kg	600
											Urea	2.5 kg	50
											Soil Analysis (Before & After)	1 no	800
										Amount/trial			**5100**
										Total Amount for 3 trials			**15300**

SN	Title	Male		Female		Farmers Practice	Recommended Practice (RP)	Source of Technology (RP)
		Others	SC/ST	Others	SC/ST			
1	2	11	12	13	14	15	16	17
5	Micronutrient management in early crop growth stages of Sugarcane	02	01	00	00	Local	RDF	UAS, Dharwad

SN	Title	Tech. Option1	To1: Source of Technology	Tech. Option2	To2: Source of Technology	Tech. Option3	To3: Source of Technology	Tech. Option4	To4: Source of Technology
1	2	18	19	20	21	22	23	24	25
5	Micronutrient management in early crop growth stages of Sugarcane	Foliar Spray of 5 kg FeSO4 + 5 Kg of ZnSO4 along with 2.5 kg of Urea in 250 litre of water at 50 & 100 DAP	TNAU, Tamil Nadu	-	-	-	-	-	-

SN	Title	Primary Parameter (yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	26	27	28	29	30	31
5	Micronutrient management in early crop growth stages of Sugarcane	Yield	t/ha	Cane length	Cm	Recovery %	%

7.A.2. Livestock :

No.	Title	Thematic Area	Livestock Category	Livestock Name	Unit Size (Nos)	Problem Definition	No. of Trials	Critical Inputs Provided & Total Amount (DBT)			
1	2	3	4	5	6	7	8	9			
1	Assessment of Detoxified karanja cake as protein source on growth of lambs	Nutrition Management	Sheep & goat	Sheep	06	• High cost of feeding balanced growth ration to Lambs • Lack of knowledge about nutrition	01		**Inputs**	**Qty**	**Cost/trial**
								T_1	-	-	-
								T_2	Maize	120 kg	2000
									Mineral mixture	4 kg	700
									GNC	35 kg	1500
									Detoxified karanja cake	35 kg	1500
									Deworming	3 L	1100
										Total/ trial	**6800**
										Total Amount for 1 trials	**6800**

SN	Title	Male		Female		Farmers Practice	Recommended Practice (RP)	Source of Technology (RP)
		Others	SC/ST	Others	SC/ST			
1	2	10	11	12	13	14	15	16
1	Assessment of Detoxified karanja cake as protein source on growth of lambs	4	1	1	-	Farmers Practice	Maize + GNC + 10% Detoxified Karanja cake	NINP, Bangaluru

SN	Title	Tech. Option1	To1: Source of Technology	Tech. Option2	To2: Source of Technology	Tech. Option3	To3: Source of Technology	Tech. Option4	To4: Source of Technology
1	2	17	18	19	20	21	22	23	24
1	Assessment of Detoxified karanja cake as protein source on growth of lambs	Farmers' practice	-	Maize + GNC + 10% Detoxified Karanja cake	NINP, Bangaluru	-	-	-	-

SN	Title	Primary Parameter	Primary Parameter Unit	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	25	26	27	28	29	30
1	Assessment of Detoxified karanja cake as protein source on growth of lambs	Body weight	Kg	Chest girth	cm	Body height	cm

7.A.3. Enterprise – Nil

7.A.4. Farm Implement - Nil

7.B Frontline Demonstrations

7. B.1. Crops

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
1	ICM in transplanted Paddy	ICM	Cereals	Paddy	Sriram sona	Rainfed	15	6	*Kharif*	paddy

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	12	13	14	15	16	17	18
1	ICM in transplanted Paddy	11	3	1	-	Poor nutrient management Improper pest and disease management	ICM	UAS Dharwad

SN	Title	Critical Inputs Provided & Total Amount (DBT)			Primary Parameter (Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	19			20	21	22	23	24	25
1	ICM in transplanted Paddy	Sunhemp seeds	10 kg	500	Yield	q/ha	Plant height at harvest	cm	No. of panicle / Plant	Number
		Carbendazim	100 g	50						
		Azospirillum	500 g	40						
		Imidacloprid	100 ml	660						
		Tricyclazole	500 g	1425						
		$ZnSO_4$	1 kg	110						
		Total Rs./ Demo.		**2785**						
		Total Rs. for 15 Demo,.		**41775**						

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
2	ICM in maize	ICM	Cereals	Maize	Pvt. Hybrid	Rainfed	10	4	*Kharif*	Bt-cotton

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	12	13	14	15	16	17	18
2	ICM in maize	7	2	1	-	No seed treatment Poor nutrient management Improper pest and disease management	ICM	UAS Dharwad

SN	Title	Critical Inputs Provided & Total Amount (DBT)			Primary Parameter (Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	19			20	21	22	23	24	25
2	ICM in maize	Trichoderma	500g	65	Yield	q/ha	Nutrient deficiency	%	Pest incidence	%
		Azospirallum	500 g	50						
		$ZnSO_4$	10 kg	1100						
		$FeSO_4$	10 kg	1200						
		Carbofuran	3 kg	300						
		Monocrotophos	500 ml	200						
		Total Rs./ Demo.		**2915**						
		Total Rs. for 10 Demo,.		**29150**						

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
3	Demonstration of Rabi sorghum variety SPV-2217	ICM	Cereals	*Rabi* sorghum	SPV-2217	Rainfed	15	6	*Rabi*	Greengram

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	12	13	14	15	16	17	18
3	Demonstration of *Rabi* sorghum variety SPV-2217	11	3	1	-	Use of local variety No seed treatment Poor nutrient management Improper pest and disease management	ICM	UAS Dharwad

SN	Title	Critical Inputs Provided & Total Amount (DBT)			Primary Parameter (Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	19			20	21	22	23	24	25
3	Demonstration of Rabi sorghum variety SPV-2217	Seeds	3 kg	200	Yield	q/ha	Plant height at harvest	cm	Pest and disease incident	%
		Carbofuran	3 kg	330						
		Trichoderma	200 g	16						
		Azospirillum	200 g	16						
		$ZnSO_4$	6 kg	660						
		$CaCl_2$	12 g	15						
		Total Rs./ Demo.		**1237**						
		Total Rs. for 15 Demo,.		**18555**						

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
4	ICM in onion	ICM	Vegetable	onion	Bhima Super	Rainfed	10	4	*Kharif*	Sorghum

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	12	13	14	15	16	17	18
4	ICM in onion	7	2	1	-	Use of local variety No seed treatment Poor nutrient management Improper pest and disease management	ICM	UAS Dharwad

SN	Title	Critical Inputs Provided & Total Amount (DBT)			Primary Parameter (Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	19			20	21	22	23	24	25
4	ICM in onion	Seeds	2 kg	2500	Yield	q/ha	Bulb weight	gm	Pest and disease incidence	%
		Solubor	1 kg	400						
		Total Rs./ Demo.		**2900**						
		Total Rs. for 10 Demo,.		**29000**						

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
5	ICM in Cabbage	ICM	Vegetable	Cabbage	Private hybrid	Irrigated	10	4	*Kharif*	Maize

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	12	13	14	15	16	17	18
5	ICM in Cabbage	7	2	1	-	No trap crop Poor nutrient management Improper pest and disease management	ICM	UAS Dharwad

SN	Title	Critical Inputs Provided & Total Amount (DBT)			Primary Parameter (Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	19			20	21	22	23	24	25
5	ICM in Cabbage	Dichlorvas	1 L	500	Yield	q/ha	Pest incidence	%	Disease incidence	%
		Neem insecticide	1 L	350						
		Copper Oxy Chloride	500 gm	300						
		Streptomycin cycline	200 gm	500						
		Vegetable special	4 kg	400						
		Total Rs./ Demo.		**2050**						
		Total Rs. for 10 Demo,.		**20500**						

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
6	Enhancement of yield in Green chilli	ICM	Vegetable	Chilli	Sitara	Irrigated	05	2	*Rabi*	Maize

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	12	13	14	15	16	17	18
6	Enhancement of yield in Green chilli	3	1	1	-	Use of only pesticide	ICM	KAU,TNAU, IIHR,Bengaluru UAS,Dharwad

SN	Title	Critical Inputs Provided & Total Amount (DBT)			Primary Parameter (Yield)	Primary Parameter Unit(Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	19			20	21	22	23	24	25
6	Enhancement of yield in Green chilli	Imidacloprid	100 ml	550	Yield	q/ha	Fruits per plant	No.	Pest and disease incidence	%
		Naphtalic Acetic Acid	100 ml	120						
		Difenthuron	250 g	1000						
		40 Mesh insect proof net	10 mtr	3000						
		Vegetable spl.	4 kg	800						
		Total Rs./ Demo.		**5470**						
		Total Rs. for 5 Demo,.		**27350**						

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**
7	ICM in Betelvine	ICM	Plantation crop	Betelvine	Local	Irrigated	05	2	*Kharif*	Maize

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	**2**	**12**	**13**	**14**	**15**	**16**	**17**	**18**
7	ICM in Betelvine	3	1	1	-	Local practice	ICM	TNAU/JNKVV, MP

SN	Title	Critical Inputs Provided & Total Amount (DBT)			Primary Parameter (Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	**2**	**19**			**20**	**21**	**22**	**23**	**24**	**25**
7	ICM in Betelvine	Trichoderma	10 kg	1300	Yield	Number of leaves /ha	Yield	Number of leaves /plant	Disease incidence	%
		Pseudomonas	10 kg	1300						
		Carboxin	1 kg	1300						
		Total Rs./ Demo.		**3900**						
		Total Rs. for 5 Demo,.		**19500**						

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
8	ICM in Mango	ICM	Plantation crop	Mango	Alphanso	Irrigated	05	2	*Kharif*	Cotton

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	12	13	14	15	16	17	18
8	ICM in Mango	3	1	1	-	Poor nutrient management Improper pest and disease management	ICM	IIHR, Bangalore

SN	Title	Critical Inputs Provided & Total Amount (DBT)			Primary Parameter (Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	19			20	21	22	23	24	25
8	ICM in Mango	Mango special	10kg	1600	Yield	t/ha	Fruit per panicle	Number	Pest and disease incidence	%
		NAA (Planofix)	200 ml	250						
		Hexaconazole	500 ml	450						
		Fipronil	500 ml	650						
		Total Rs./ Demo.		**2950**						
		Total Rs. for 5 Demo,.		**14750**						

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**
9	ICM in Soybean	ICM	Oil seed	Soybean	DSb-21	Rainfed	10	04	*Kharif*	Maize, Cotton

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	**2**	**12**	**13**	**14**	**15**	**16**	**17**	**18**
9	ICM in Soybean	7	2	1	-	• Use of local variety • No seed treatment • Poor nutrient management • Improper pest and disease management	ICM	UAS, Dharwad

SN	Title	Critical Inputs Provided & Total Amount (DBT)			Primary Parameter	Primary Parameter Unit	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	**2**	**19**			**20**	**21**	**22**	**23**	**24**	**25**
9	ICM in Soybean	Seed (DSb-21)	25 kg	1250	Yield	q/ha	Leaf eating caterpillar damage	%	Disease incidence	%
		Trichoderma	250 g	35						
		PSB	250 g	25						
		Rhizobium	250 g	25						
		Nomuraea rileyi	1 kg	200						
		Total Rs./ Demo.		**1535**						
		Total Rs. for 10 Demo,.		**15350**						

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
10	Demonstration of Banana special (source of micronutrients) in Banana	Micro nutrient	Horticulture	Banana	Local	Irrigated	05	05	*Kharif & Rabi*	Banana

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	12	13	14	15	16	17	18
10	Demonstration of Banana special (source of micronutrients) in Banana	7	2	1	-	Local	Banana Special	IIHR, Bengaluru

SN	Title	Critical Inputs Provided & Total Amount (DBT)			Primary Parameter (Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	19			20	21	22	23	24	25
10	Demonstration of Banana special (source of micronutrients) in Banana	Banana Special	5 kg	750	Yield	t/ha	Banana / bunch	No	-	-
		Soil Analysis (Before & After)	1	800						
		Total Rs./ Demo.		**1550**						
		Total Rs. for 05 Demo,.		**7750**						

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**
11	Integrated Nutrient Management in tomato	INM	Horticulture	Tomato	Local	Irrigated	05	05	*Kharif*	Tomato

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	**2**	**12**	**13**	**14**	**15**	**16**	**17**	**18**
11	Integrated Nutrient Management in tomato	3	2	0	0	Local	NPK through RDF + vegetable special	UAS, Dharwad & IIHR, Bengaluru

SN	Title	Critical Inputs Provided & Total Amount (DBT)			Primary Parameter (Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	**2**	**19**			**20**	**21**	**22**	**23**	**24**	**25**
11	Integrated Nutrient Management in tomato	Vegetable Special	3 kg	450	Yield	t/ha	Fruit weight	gm	Fruits /plant	No
		Soil Analysis (Before & After)	1	800						
		Total Rs./ Demo.		**1250**						
		Total Rs. for 05 Demo,.		**6250**						

7.B.2. Livestock

SN	Title	Thematic Area	Livestock Category	Livestock Name	No. of units	No. of Demos
1	2	3	4	5	6	7
1	Demonstration on Fodder Cafeteria	Feed & fodder technology	Dairy	Cow	-	05

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	8	9	10	11	12	13	14
1	Demonstration on Fodder Cafeteria	03	01	01	0	Dry crop residue feeding	Feeding of green cereal & legume fodder	IGFRI, Dharwad / KVK Namakkal / NIANP, BNG

SN	Title	Critical Inputs Provided & Total Amount (DBT)			Primary Parameter	Primary Parameter Unit	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter 2	Secondary Parameter Unit2
1	2	17			18	19	20	21	22	23
1	Demonstration on Fodder Cafeteria	Multicut Jowar – COFS-31	1.5 kg	800	Fodder yield	q/ha	Milk yield	per lactation	-	-
		Hedge Lucerne	2 kg	1200						
		African Tall Maize	4 kg	600						
		Cow pea	2 kg	400						
		Co-5 Slips	1000 Nos.	1000						
		Total Rs./ Demo.		**4000**						
		Total Rs. for 5 Demo,.		**20000**						

SN	Title	Thematic Area	Livestock Category	Livestock Name	No. of units	No. of Demos
1	2	3	4	5	6	7
2	Energy and non-protein nitrogen source supplementation through UMMB as licks	Nutrition Management	Dairy	Cow	-	10

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	8	9	10	11	12	13	14
2	Energy and non-protein nitrogen source supplementation through UMMB as licks	08	01	01	0	Feeding of energy & protein deficient fodder	Compensatory feeding of energy & protein	KMF

SN	Title	Critical Inputs Provided & Total Amount (DBT)			Primary Parameter	Primary Parameter Unit	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	17			18	19	20	21	22	23
2	Energy and non-protein nitrogen source supplementation through UMMB as licks	UMMB blocks	5 Nos.	300	Milk yield	L	Fat	%	SNF	%
		Deworming	500 ml	300						
		Sodium bicarbonate	2 kg	200						
		Total Rs./ Demo.		**800**						
		Total Rs. for 10 Demo,.		**8000**						

SN	Title	Thematic Area	Livestock Category	Livestock Name	No. of units	No. of Demos
1	2	3	4	5	6	7
3	Clean milk production	Dairy manag`ement	Dairy	Cow/ Buffalo	-	05

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	8	9	10	11	12	13	14
3	Clean milk production	03	01	01	0	Unhealthy milk production practices	Screen for sub clinical mastitis, post milking teat dipping, hygienic practices	KVAFSU, Bidar

SN	Title	Critical Inputs Provided & Total Amount (DBT)			Primary Parameter	Primary Parameter Unit	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	17			18	19	20	21	22	23
3	Clean milk production	CMT kit	1 No.	500	Milk yield	L	Incidence of sub clinical mastitis	%	-	-
		Teat dipping solution	500 L	400						
		Dipcups	1 No.	200						
		KMnO4	100 g	100						
		Intramammary infusions	4 nos.	600						
		Total Rs./ Demo.		**1800**						
		Total Rs. for 5 Demo,.		**9000**						

SN	Title	Thematic Area	Livestock Category	Livestock Name	No. of units	No. of Demos
1	2	3	4	5	6	7
4	Demonstration of Anionic mineral mixture for prevention of milk fever in Dairy cattle	Disease management	Dairy	Cow	-	05

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	8	9	10	11	12	13	14
4	Demonstration of Anionic mineral mixture for prevention of milk fever in Dairy cattle's	03	01	01	0	Non feeding of minerals	Anionic mineral mixture	NIANP, Bengaluru

SN	Title	Critical Inputs Provided & Total Amount (DBT)			Primary Parameter	Primary Parameter Unit	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	17			18	19	20	21	22	23
4	Demonstration of Anionic mineral mixture for prevention of milk fever in Dairy cattle's	Anionic mineral	1.5 kg	1500	Incidence of milk fever	%	-	-	-	-
		Total Rs./ Demo.		**1500**						
		Total Rs. for 5 Demo,.		**7500**						

7.B.3. Enterprise :

7.B.3. Enterprise

SN	Title	Thematic Area	Livestock Category	Livestock Name	Variety / Species	No. of units	No of Demos
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
1	Super grain bags for safe storage	Storage loss minimization technique	-	-	Pulses	10	10

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	9	10	11	12	13	14	15
1	Super grain bags for safe storage	4	-	4	2	-	Super grain bags	PCI Ltd Bengaluru

SN	Title	Critical Inputs Provided & Total Amount (DBT)			Primary Parameter	Primary Parameter Unit	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	**2**	**17**			**18**	**19**	**20**	**21**	**22**	**23**
1	Super grain bags for safe storage	Super grain bags	1 no	200	Pest infestation	%	Shelf life	Days	-	-
		Total Rs./ Demo.		200						
		Total Rs. for 5 Demo,.		**2000**						

7.B.4. Farm Implement - Nil

B. Trainings

SN	Training Category (OFT/ LD/Oth)	Training Type (Regular/ Vocational/ Sponsored/Rural Youth/Extension)	Training location (On/Off)	Training For (General Rural Youth/ Extension)	Duration (Days)	Title	Thematic Area
1	2	3	4	5	6	7	8
1.	OFT	Regular	Off	General	1	ICM in paddy	ICM
2.	FLD	Regular	Off	General	1	ICM in paddy	ICM
3.	FLD	Regular	Off	General	1	ICM in Rabi Jowar	ICM
4.	Others	Extension	Off	Extension	1	ICM in pulses	ICM
5.	Other	Vocational	Off	Rural Youths	1	ICM in Mulberry	ICM
6.	Other	Rural Youth	Off	General	1	ICM in Bt-cotton	ICM
7.	FLD	Regular	On	General	1	ICM in cabbage	ICM
8.	FLD	Regular	On	General	1	ICM in Maize	ICM
9.	Other	Vocational	On	General	1	Beekeeping	ICM
10.	Other	Rural Youth	Off	Rural Youth	1	Vermicomposting	ICM
11.	Other	Vocational	Off	Rural Youth	1	Sericulture	ICM
12.	Other	Extension	Off	Extension	1	IPM	ICM
13.	OFT	Regular	Off	General	1	Assessment of Chilli hybrids for yield potential, disease and pest resistance	Varietal assessment
14.	FLD	Regular	Off	General	1	ICM in onion variety of Bhima Super for higher yield & income	ICM
15.	FLD	Regular	Off	General	1	Enhancement of yield in Green chilli	ICM
16.	FLD	Regular	Off	General	1	ICM in Betelvine	ICM
17.	FLD	Regular	Off	General	1	ICM in Mango	ICM
18.	Others	Regular	Off	General	1	ICM in Ginger	ICM
19.	Others	Regular	Off	General	1	ICM in flower crops- Tuberose, Chrysanthemum, Gaillardia	ICM
20.	Others	Rural Youth	Off	General	1	ICM in Onion	ICM
21.	Others	Rural Youth	Off	Rural Youth	1	Grafting and layering techniques	Propagation technique
22.	Others	Rural Youth	Off	Rural Youth	1	Quality Planting material production	Propagation technique

SN	Training Category (OFT/ LD/Oth)	Training Type (Regular/ Vocational/ Sponsored/Rural Youth/Extension)	Training location (On/Off)	Training For (General Rural Youth/ Extension)	Duration (Days)	Title	Thematic Area
1	2	3	4	5	6	7	8
23.	Others	Extension	Off	Extension	1	Protected cultivation in vegetables and flower crops	Protected cultivation
24.	OFT	Regular	Off	General	1	Use and importance of vegetable seedling transplanter	Drudgery reduction
25.	Others	Regular	Off	General	1	Spiral grader for processing of food grains	Processing
26.	Other	Regular	On	General	1	Mushroom production & value addition	Mushroom production
27.	Other	Rural Youth	On	General	1	Processing & value addition to fruits	Processing
28.	Other	Rural Youth	On	General	1	Processing & value addition in millets	Processing
29.	Other	Rural Youth	On	General	1	Processing and value addition in Mango	Processing
30.	Other	Rural Youth	On	General	1	Processing and value addition in Tomato	Processing
31.	Other	Rural Youth	On	General	1	Production technology of Mushroom	Production on site
32.	Other	Rural Youth	On	General	1	IG activities	IG activities
33.	Other	Extension	On	Extension	1	Fruit & vegetable preservation techniques	Processing
34.	Other	Extension	On	Extension	1	Preparation of low cost infant feed	Nutrition
35.	Other	Extension	On	Extension	1	Value addition in millets	Processing
36.	Other	Vocational	On	Rural Youth	1	Value addition in millets	Processing
37.	Other	Vocational	On	Rural Youth	1	Mushroom cultivation	Production on site
38.	Other	Sponsored	On	General	1	Mushroom Cultivation	Production on site
39.	OFT	Regular	Off	General	1	Non conventional feed and fodder	Livestock production
40.	FLD	Regular	Off	General	1	Nutritive value of fodder crops	Livestock production

SN	Training Category (OFT/ LD/Oth)	Training Type (Regular/ Vocational/ Sponsored/Rural Youth/Extension)	Training location (On/Off)	Training For (General Rural Youth/ Extension)	Duration (Days)	Title	Thematic Area
1	2	3	4	5	6	7	8
41.	FLD	Regular	Off	General	1	Feed management of dairy cattle	Livestock production
42.	FLD	Regular	Off	General	1	Neonatal care & Management of small ruminants	Livestock production
43.	FLD	Regular	Off	General	1	Management of Mastitis	Livestock production
44.	Others	Regular	On	General	1	Livestock disease management	Livestock production
45.	Other	Rural youths	On	General	1	Scientific dairy farming	Livestock production
46.	Other	Rural youths	On	General	1	Scientific sheep & goat farming	Livestock production
47.	Other	Rural youths	On	General	1	Scientific poultry rearing	Livestock production
48.	Other	Extension	On	General	1	Plant poising in livestock & its treatment	Livestock production
49.	Other	Extension	On	General	1	Metal & pesticide poisoning & its treatment	Livestock production
50.	Other	Vocational	On	General	3	Scientific dairy farming	Livestock production
51.	Other	Vocational	On	General	3	Poultry Rearing	Livestock production
52.	Other	Regular	Off	General	01	Soil Health management practice	Soil Health & Fertility
53.	Other	Rural youths	On	General	01	Soil health management practices	Soil Health & Fertility
54.	Other	Regular	On	General	01	Soil health management practices	Soil Health & Fertility
55.	Other	Vocational	On	General	3	Soil & water testing producer	Soil Health

SN	Training Category (OFT/ LD/Oth)	Training Type (Regular/ Vocational/ Sponsored/Rural Youth/Extension)	Training location (On/Off)	Training For (General Rural Youth/ Extension)	Duration (Days)	Title	Thematic Area
1	2	3	4	5	6	7	8
							& Fertility
56.	FLD	Regular	On	General	1	ICM in Soybean	ICM
57.	FLD	Regular	Off	General	1	ICM in Soybean	ICM
58.	OFT	Regular	On	General	1	Pest & disease management in Mango	IPDM
59.	OFT	Regular	Off	General	1	Pest & disease management in Mango	IPDM
60.	OFT	Regular	On	General	1	Soil sampling and soil health management	INM
61.	OFT	Regular	Off	General	1	Soil sampling and soil health management	INM
62.	Other	Regular	On	General	1	Nutrient management in Major crops	INM
63.	Other	Regular	On	General	1	Crop diversification & intensification	DFI
64.	Other	Regular	On	General	1	Nutrient management in commercial crops	INM
65.	Other	Regular	On	General	1	Detaille advisory for soil health card	INM
66.	FLD	Regular	On	General	1	Importance of Soil health and management	Soil Health & Fertility
67.	FLD	Regular	On	General	1	Micronutrient management in Sugarcane	Soil Health & Fertility
68.	FLD	Regular	Off	General	1	Micronutrient management in Sugarcane	Soil Health & Fertility
69.	FLD	Regular	On	General	1	Silicon nutrition in rice based system	Soil Health & Fertility
70.	FLD	Regular	Off	General	1	Silicon nutrition in rice based system	Soil Health & Fertility
71.	FLD	Regular	On	General	1	Micronutrient management in Banana	Soil Health & Fertility
72.	FLD	Regular	On	General	1	Micronutrient management in Banana	Soil Health & Fertility
73.	FLD	Regular	On	General	1	Micronutrient management in Vegetable crops	Soil Health & Fertility
74.	FLD	Regular	Off	General	1	Micronutrient management in Vegetable crops	Soil Health & Fertility

SN	Sub Thematic Area	Skill is to impart? (Y/N)	Source of Fund(if sponsored)	Agency Name	Amount (Rs)	Others Male	Others Female	SC/ST Male	SC/ST Female
1	9	10	11	12	13	14	15	16	17
1.	Nutrient Management	N	-	-	-	3	1	1	-
2.	Nutrient Management	N	-	-	-	3	1	1	-
3.	Varietal performance	N	-	-	-	11	1	3	-
4.	Nutrient management	N	-	-	-	20	2	3	-
5.	Nutrient management	N	-	-	-	20	2	3	-
6.	INM	N	-	-	-	20	2	3	-
7.	Plant Protection	N	-	-	-	7	1	2	-
8.	Plant Protection	N	-	-	-	7	1	2	-
9.	Beekeeping	Handling of beehives	-	-	-	25	5	5	2
10.	Vermicompost production	Methods of vermicomposting	-	-	-	25	5	5	2
11.	Plant Protection	-	-	-	-	25	5	5	2
12.	Varietal assessment	-	-	-	-	20	2	2	1
13.	Nutrient management	-	-	-	-	20	2	2	1
14.	Nutrient management	-	-	-	-	20	2	2	1
15.	Nutrient management	-	-	-	-	20	2	2	1
16.	Nutrient management	-	-	-	-	20	2	2	1
17.	ICM	-	-	-	-	40	4	4	2
18.	ICM	-	-	-	-	40	4	4	2
19.	ICM	-	-	-	-	40	4	4	2
20.	Propagation technique	-	-	-	-	40	4	4	2
21.	Propagation technique	-	-	-	-	40	4	4	2
22.	Protected cultivation	-	-	-	-	40	4	4	2
23.	Nutritional security	Y	-	-	-	-	20	-	5
24.	Mechanizations	Y	-	-	-	20	2	2	1
25.	Mushroom	Y	-	-	-	20	2	2	1
26.	Nutrition security	N	-	-	-	40	4	4	2
27.	Production	Y	-	-	-	40	4	4	2
28.	IGA	Y	-	-	-	40	4	4	2
29.	Production	Y	-	-	-	22	3	3	2
30.	Animal nutrition	N	-	-	-	15	05	05	5

SN	Sub Thematic Area	Skill is to impart? (Y/N)	Source of Fund(if sponsored)	Agency Name	Amount (Rs)	Others Male	Others Female	SC/ST Male	SC/ST Female
1	9	10	11	12	13	14	15	16	17
	management								
31.	Feed & fodder technology	N	-	-	-	15	05	05	5
32.	Feed & fodder technology	N	-	-	-	15	05	05	5
33.	Sheep & Goat management	N	-	-	-	15	05	05	5
34.	Animal disease management	N	-	-	-	15	05	05	5
35.	Animal disease management	N	-	-	-	30	10	05	05
36.	Dairy management	Y	-	-	-	30	05	05	05
37.	Propagation technique	-	-	-	-	40	4	4	2
38.	Propagation technique	-	-	-	-	40	4	4	2
39.	Protected cultivation	-	-	-	-	40	4	4	2
40.	Nutritional security	Y	-	-	-	-	20	-	5
41.	Mechanizations	Y	-	-	-	20	2	2	1
42.	Feed & fodder technology	N	-	-	-	15	05	05	5
43.	Sheep & Goat management	N	-	-	-	15	05	05	5
44.	Sheep & Goat management	Y	-	-	-	30	05	05	05
45.	Poultry management	Y	-	-	-	30	05	05	05
46.	Animal disease management	Y	-	-	-	10	05	05	0
47.	Animal disease management	Y	-	-	-	10	05	05	0
48.	Dairy Management	Y	-	-	-	10	05	05	0
49.	Poultry management	Y	-	-	-	10	05	05	0
50.	Soil fertility management	Y	-	-	-	30	15	10	08
51.	Soil fertility management	Y	-	-	-	30	15	10	08
52.	Soil fertility management	Y	-	-	-	40	20	10	06
53.	Soil fertility management	Y	-	-	-	25	10	10	06
54.	Soil fertility management	Y	-	-	-	25	10	10	06
55.	Plant protection	N	-	-	-	20	05	02	02
56.	Plant protection	N	-	-	-	20	05	02	02

SN	Sub Thematic Area	Skill is to impart? (Y/N)	Source of Fund(if sponsored)	Agency Name	Amount (Rs)	Others Male	Others Female	SC/ST Male	SC/ST Female
1	9	10	11	12	13	14	15	16	17
57.	Plant protection	N	-	-	-	20	05	02	02
58.	Plant protection	N	-	-	-	20	05	02	02
59.	Soil fertility management	Y	-	-	-	10	05	05	0
60.	INM	Y	-	-	-	10	05	05	0
61.	INM	Y	-	-	-	30	15	10	08
62.	INM	Y	-	-	-	30	15	10	08
63.	DFI	Y	-	-	-	40	20	10	06
64.	INM	Y	-	-	-	25	10	10	06
65.	INM	Y	-	-	-	25	10	10	06
66.	Soil Health & Fertility	Y	-	-	-	20	05	02	02
67.	Soil Health & Fertility	Y	-	-	-	20	05	02	02
68.	Soil Health & Fertility	Y	-	-	-	20	05	02	02
69.	Soil Health & Fertility	Y	-	-	-	20	05	02	02
70.	Soil Health & Fertility	Y	-	-	-	20	05	02	02
71.	Soil Health & Fertility	Y	-	-	-	20	05	02	02
72.	Soil Health & Fertility	Y	-	-	-	20	05	02	02
73.	Soil Health & Fertility	Y	-	-	-	20	05	02	02
74.	Soil Health & Fertility	Y	-	-	-	20	05	02	02

C. Extension programme

SN	Extension programme	No. of Programme	No. of Farmers/ participants	No. of Extension Officers
1.	Advisory over Phone	1000	750	250
2.	Bi-Monthly meeting	06	00	180
3.	Celebration of Day	10	2000	150
4.	Diagnostic visit	45	400	30
5.	Exhibition	10	100000	100
6.	Exposure Visit	08	240	15
7.	Ex-trainees Samelan	01	50	-
8.	Extension Literature	10	-	-
9.	Farmers Science conveners meeting	01	100	05
10.	Farmer /Extension personnel visit to KVK	50	1000	25
11.	Farmers Seminar/ Workshop	02	600	15
12.	Field day	10	400	50
13.	Film Show	20	1000	50
14.	Formation of SHGs	01	20	00
15.	Group Meeting	15	450	06
16.	Kisan Ghosti	08	240	07
17.	Kisan Mela	01	200000	80
18.	Lecture delivered as resource person	70	2000	35
19.	Method demonstration	20	600	12
20.	News paper coverage	50	-	-
21.	No. of animals treated	100	-	-
22.	Popular article	50	-	-
23.	Radio talk	15	-	-
24.	Scientist visit to Farmers Field	180	400	08
25.	SHC campaign	01	100	-
26.	SHG meeting	30	900	04
27.	Technical Reports	60	-	-
28.	TV Talk	08	-	-
29.	Other- Specify	-	-	-
	Total	**1780**	**311100**	**1022**

8. Activities proposed

A. Mobile Advisory Services

Message Type	Crops	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
Text	180	48	40	40	50	22	380
Voice	00	00	00	00	00	00	00
Total	**180**	**48**	**40**	**40**	**50**	**22**	**380**

B. Seed/ Quality Planting Material

Name of the Crop	Quantity to be Produced		Expected income (Rs)	Expected expenditure (Rs)	Net returns (Rs)
	Seed (kg)	Planting Material (Nos)			
Groundnut (GPBD-5)	500	-	39,000	16,000	23,000
Redgram (BSMR-736)	1500	-	1,15,500	45,000	70,500
Sorghum (SPV-2217)	800	-	36,800	14,000	22,800
Horsegram (GPM-6)	800	-	40,000	12,000	28,000
Foxtail millet (Dhft-109-3)	1200	-	66,000	20,000	46,000
Little millet (Dhlm-36-3)	800	-	44,000	17,000	27,000
Sunhemp (Local)	800	-	36,000	15,000	21,000
Castor (GC-3)	180	-	8,280	3,000	5,280
Barnyard millet (Dhbm-93-2)	300	-	16,500	8,000	8,500
Proso millet (Dhpm-2769)	300	-	16,500	8,000	8,500
Finger millet (Dhfm-78-3)	800	-	44,000	15,000	29,000
Maize (African Tall)	500	-	19,500	8,000	11,500
Sapota (DHS-1)	-	5000	2,50,000	1,00,000	1,50,000
Sapota (DHS-2	-	5000	2,50,000	1,00,000	1,50,000
Curry leaf (Suvasini)	-	6000	90,000	30,000	60,000
Curry leaf (Local)	-	6000	90,000	30,000	60,000
Tamarind (DTS-1)	-	2000	80,000	36,000	44,000
Tamarind (Local)	-	2000	80,000	36,000	44,000
Drumstick (Bhagya)	-	2000	30,000	10,000	20,000
Lime (Local)	-	2000	50,000	20,000	30,000
Guava (L-49)	-	1000	40,000	18,000	22,000
Fodder crop slips	-	10000	40,000	15,000	25,000

C. Bio Products

Name of the Bio Product	Quantity to be Produced		Expected income (Rs)	Expected expenditure (Rs)	Net returns (Rs)
	Product (kg)	Others (Nos)			
Trichoderma	1000	-	130000	50000	80000
Vermicompost	10000	-	50000	10000	40000
Earthworms	500	-	25000	2000	23000

D. Home Care Production : Nil

E. Livestock

Name of Livestock	To be Produced (Nos) (Target)	Expected income (Rs)	Expected expenditure (Rs)	Net returns (Rs)
Deccani Sheep	30	50000	20000	30000

F. Farm Production

Name of Farm Produce	To be Produced		Expected income (Rs)	Expected expenditure (Rs)	Net returns (Rs)
	Product (kg)	Others (Nos)			
Milk (L)	-	24000	4,00,000	2,50,000	1,50,000

G. Publication / Literature

Item Name	Title	Auther/s Name	No. of circulation
Popular article	Mannu mattu neeru pariksheya mahatva	Krishna Naik & Shivamuruthy D,	-
	Bt-hattiyalli ele kempaguveke nirvahane	Shivamuruthy D, K. P. Gundannavar & Ashoka P	-
	Peraladalli Pramukh Keetagal Nirvahane	K. P. Gundannavar and Harish D. K.	-
	Iligal Niyantrana	K. P. Gundannavar and Geeta Tamgale	-
	Manushana arogyadalli totagarike belegala pramukyate	Harish D. K. & Geeta Tamgale	-
	Totagarike belegalalli surakshita besaya kramagalu	Harish D. K. & K. P. Gundannavar	-
	Quail rearing	Venkanna Balaganur , Harish D. K. & K. P. Gundannavar, Geeta Tamgale	-
	Turkey rearing	Venkanna Balaganur , Harish D. K. & K. P. Gundannavar, Geeta Tamgale	
	Ona haveya krishiyalli-Aranya krishi	Kumara B H, Ashoka P, Harish D.K , K. P. Gundannavar, Shivamuruthy D	-
	Ona besayadalli Savayada mahatava	Kumara B H, Ashoka P, Harish D.K , K. P. Gundannavar, Shivamuruthy D	-
	Savaya balakeyinda sustira krishi	Kumara B H, Ashoka P, Harish D.K , K. P. Gundannavar, Shivamuruthy D	-
	Hege krishi bomiyalli mannina arogya hechchisuvudu?	Kumara B H, Ashoka P, Harish D.K , K. P. Gundannavar, Shivamuruthy D	-
	Ona krishiyalalli lavanamsha nirvahane	Kumara B H, Ashoka P, Harish D.K , K. P. Gundannavar, Shivamuruthy D	-
Folders	Govina Joladhalli Adhunika Besaya Kramagalu	Ashoka P & Shivamuruthy D, K. P. Gundannavar	1000
	Siredhanyadanyadlli Besaya Kramagalu	Ashoka P & K. P. Gundannavar, Shivamuruthy D	1000
	Belegalli Sanddigda Hantadalli Neerin Nirvahane	Ashoka P	1000
	Mannu pariksheya adharadamele rasagobbaragala balake	Mr. Krishna Naik,. Shivamuruthy D, Ashoka P	2000
	Bt- hattiyalli samagra besaya kramagalu	Shivamuruthy D, K. P. Gundannavar & Ashoka P	2000
	Erehulu Gobbar Tayarike	K. P. Gundannavar, Shivamurthy D and Ashoka P	1000
	Jenu Krushi	K. P. Gundannavar, Harish D. K. and Ashoka P	1000
	Uttama adayakkagi tomato hannina moulyavardane	Harish D. K., K. P. Gundannavar & Geeta Tamgale	1000
	Turkey koli sakanike	Venkanna Balaganur , Harish D. K. & K. P. Gundannavar, Geeta Tamgale	1000
	Batu koli sakanike	Venkanna Balaganur , Harish D. K. & K. P. Gundannavar, Geeta Tamgale	1000
	Guinea koli sakanike	Venkanna Balaganur , Harish D. K. & K. P. Gundannavar, Geeta Tamgale	1000
	Sudharita hittala koli sakanike kramagalu	Venkanna Balaganur , Harish D. K. & K. P. Gundannavar, Geeta Tamgale	1000
	Kabbina beleyalalli laguposhakamsagala nirvarane	Kumara B H, Ashoka P, Harish D.K , K. P. Gundannavar, Shivamuruthy D	1000
	Hatti beleyalli poshakamshagala nirvahane	Kumara B H, Ashoka P, Harish D.K , K. P. Gundannavar, Shivamuruthy D	1000

Item Name	Title	Auther/s Name	No. of circulation
	Musakina joladalli samagra poshakamsha nirvahane	Kumara B H, Ashoka P, Harish D.K , K. P. Gundannavar, Shivamuruthy D	1000
	Baleyalli samagra poshakamsha nirvahane	Kumara B H, Ashoka P, Harish D.K , K. P. Gundannavar, Shivamuruthy D	1000
	Adikeyalli samagra poshakamsha nirvahane	Kumara B H, Ashoka P, Harish D.K , K. P. Gundannavar, Shivamuruthy D	1000
	Mannina mahatva mattu agrogya	Kumara B H, Ashoka P, Harish D.K , K. P. Gundannavar, Shivamuruthy D	1000
Book	Mannu mattu nirina prayogada kaipedi	Kumara B H, Ashoka P, Harish D.K , K. P. Gundannavar, Shivamuruthy D	1000
	Pramuka belegala poshakamsagala nirvahane	Kumara B H, Ashoka P, Harish D.K , K. P. Gundannavar, Shivamuruthy D	1000
Total	**33**		**22000**

H. Electronic Media

Media Type	Title	No. circulation	Developed by
DVD	ICM in Bt-Cotton	1000	KVK team
DVD	Production, Processing & value addition in millets	1000	KVK team
DVD	Scientific Dairy management	1000	KVK team
Mobil app	Production technology in Pulses	-	KVK team
Mobil app	Production technology in oil seed crops	-	KVK team

I. SWTL Activities

Type	No. of samples to be analyzed	Names of the team members involved	Expected income (Rs)	Expected expenditure (Rs)	Net returns (Rs)
Soil	3500	Prog. Asst. (Lab), Sr. Scientist & Head	3,50,000	1,50,000	2,00,000
Water	3000	Prog. Asst. (Lab), Sr. Scientist & Head	2,00,000	80,000	1,20,000
Plant	-	-	-	-	-
Others	-	-	-	-	-

No. of SHC to be distributed: 1500

J. News letter

Name	To be issue	No. of Soft copies to be issue	No. of hard copies to be issue
KVK News letter	April-June-2017	-	1000
	July-Sept-2017	-	1000
	Oct-Dec-2017	-	1000
	Jan-March-2018	-	1000
	April-June-2018	-	1000
	July-Sept-2018	-	1000
	Oct-Dec-2018	-	1000
	Jan-March-2019	-	1000

K. Technology Week

Proposed Date	No. of agencies to be linked	Qty. Seeds supply	Qty. Planting material supply	Qty. bio products supply
3rd week of October	10	5 Q	500 Nos.	10 kg

L. Proposed Projects

Project Name	Role of KVK	Duration	Project Outlay (Rs)	Additional Man Power to be planned
KAPC	Implementing Agency	1 Year	25,00,000/-	03

M. Farmer's Field School planned

Thematic area	Title of the FFS	Budget proposed in Rs.	No. of farmers
Integrated Crop Management	ICM in cotton	30000/-	25

N. E-linkage

SN	Nature of activities	
1	Is KVK has website (Y/N)	Y
2	If NO, date of website to be develop & host	-
3	Name of the module assigned during Orientation Programme	Sales Counter
4	Plan, Progress and expected date of completion	Need training

O. KVK instructional farm Activities

SN	Plot no	Season	Area (ha)	Name of the crop	Expected Yield (kg)	Expected Expenditure (Rs)	Expected income (Rs)	Net returns (Rs)
1.	1	*Kharif*	0.40	Foxtail Millet + Pigeon pea (4:2)	300	9,445/-	17,676/-	8,231/-
2.	2	*Kharif*	0.30	Little Millet + Pigeon pea (4:2)	200	7,084/-	14,257/-	7,173/-
3.	3	*Kharif*	0.40	Barnyard Millet + Pigeon pea (4:2)	400	9,520/-	18,030/-	8,510/-
4.	4	*Kharif*	0.40	Castor+Little Millet (1:3)	200	10,000/-	24,000/	14,000/-
5.	5	*Kharif*	1.20	Castor+Foxtail Millet (1:3)	500	30,000/-	64,000/-	34,000/-
6.	6	*Kharif*	0.60	Little Millet+ Pigeon pea (4:2)	350	13,223/-	20,135/-	6,912/-
7.	7	*Kharif*	0.20	Finger Millet	100	4,000/	10,000/-	6,000/-
8.	8	*Kharif*	0.40	Perennial Sorghum Fodder	25	5,000/-	12,000/-	7,000/-
9.	9	*Kharif*	0.40	Proso Millet + Pigeon pea (4:2)	300	8,816/-	14,756/-	5,940/-
10.	10	*Kharif*	0.60	Barnyard Millet + Pigeon pea (4:2)	500	6,259/-	12,000/-	5,741/-
11.	11	*Kharif*	1.20	Finger Millet + Pigeon pea (4:2)	600	25,800/-	42,800/-	17,000/-
12.	12	*Kharif*	1.20	Transplanted Pigeon pea	500	12,000/-	25,000/-	13,000/-
13.	13	*Kharif*	0.80	Transplanted Pigeon pea	350	8,800/-	20,000/-	11,200/-
14.	14	*Kharif*	0.40	Castor + Barnyard millet (1:3)	200	5,000/-	15,000/-	10,000/-
15.	15	*Kharif*	0.30	Castor + Pros millet (1:3)	250	6,000/-	16,000/-	10,000/-
16.	16	*Kharif*	0.30	Castor + Foxtail millet (1:3)	250	6,000/-	18,000/-	12,000/-
17.	17	Late *Kharif*	0.80	Sun hemp	300	4,000/-	12,000/-	8,000/-
18.	18	Late *Kharif*	0.80	Sun hemp	300	4,000/-	12,000/-	8,000/-
19.	20	*Kharif*	0.90	Groundnut + Little millet (7:1)	600	15,000/-	30,000/-	15,000/-
20.	21	*Kharif*	0.20	Castor + Barnyard millet (1:3)	200	5,000/-	16,000/-	11,000/-
21.	22	*Kharif*	0.70	Coconut + Fodder Varieties	10,000 Nos	4,000/-	10,000/-	6,000/-
22.	23	*Kharif*	0.80	Guava Plantation +Sun hemp	300	5,000/-	15,000/-	10,000/-
23.	24	*Kharif*	1.00	Sapota Plantation + Foxtail Millet	400	8,000/-	30,000/-	22,000/-
24.	25	*Kharif*	1.00	Sapota Plantation + Fodder Maize	300	8,000/-	30,000/-	22,000/-
25.	36	*Kharif*	0.40	Foxtail Millet	300	6,000/-	14,000/-	8,000/-
26.	41	*Kharif*	1.00	Fodder Maize	250	20,000/	35,000/-	15,000/-
27.	-	-	0.10	Germ plasm of Horticulture plants	-	60,000/	2,00,000/-	1,40,000/-
28.	1	*Rabi*	0.40	Horse gram	150	4.000/-	8.000/-	4.000/-
29.	2	*Rabi*	0.30	Horse gram	120	3,000/-	6,000/-	3,000/-
30.	3	*Rabi*	0.40	Horse gram	150	4,000/-	8,000/-	4,000/-

SN	Plot no	Season	Area (ha)	Name of the crop	Expected Yield (kg)	Expected Expenditure (Rs)	Expected income (Rs)	Net returns (Rs)
31.	6	*Rabi*	0.60	*Rabi* Sorghum	650	6.000/-	12.000/-	6.000/-
32.	7	*Rabi*	0.20	*Rabi* Sorghum	50	3,000/-	6,000/-	3,000/-
33.	15	*Rabi*	0.30	*Rabi* Sorghum	60	4,000/-	8,000/-	4,000/-
34.	16	*Rabi*	0.30	*Rabi* Sorghum	60	4,000/-	8,000/-	4,000/-
35.	20	*Rabi*	0.90	*Rabi* Sorghum	180	12,000/-	24,000/-	12,000/-
36.	21	*Rabi*	0.20	*Rabi* Sorghum	50	3,000/-	6,000/-	3,000/-
37.	23	*Rabi*	0.80	Horse gram	160	8,000/-	16,000/-	8,000/-
38.	24	*Rabi*	1.00	Horse gram	200	10,000/-	20,000/-	10,000/-
39.	25	*Rabi*	1.00	Horse gram	200	10,000/-	20,000/-	10,000/-
40.	36	*Rabi*	0.40	Horse gram	100	4,000/-	8,000/-	4,000/-
41.	41	*Rabi*	1.00	Horse gram	200	10,000/-	20,000/-	10,000/-

P. Activities planned under Rainwater Harvesting Scheme (only to those KVKs which are already having scheme under Rain Water Harvesting)

SN	Activities planned	Remarks if any
1.	Compartment bounding in vertisols	-
2.	Maintenance of fodder demonstration bank	Napier gross, perennial fodder crops
3.	Maintenance of Nursery garden for multiplication of Horticultural plants	Sapota, tamarind, Curry leaf, Sugarcane, Guava
4.	Training cum demonstration on Rainwater harvesting and its utilization	
5.	Maintenance of Nutrition garden	

Q. Plan of other activity: Nil

R. Innovative Farmer's Meet

Particulars	Details
Are you planning for conducing Farm Innovators meet in your district?	Yes/ No
If Yes likely month of the meet	-
Brief action plan in this regard	-

10. Organic Farming

A. Technology Assessment related to organic farming : Nil

B. Frontline Demonstrations related to organic farming

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
1	Demonstration of foxtail millet variety DHFt-109-3 for higher yield and income	ICM	Cereal	Foxtail millet	DHFt-109-3	Rainfed	15	6	Kharif	Sorghum

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	12	13	14	15	16	17	18
1	Demonstration of foxtail millet variety DHFt-109-3 for higher yield and income	9	3	1	2	Use of local variety and use of chemical fertilizer	ICM	UAS Dharwad

SN	Title	Critical Inputs Provided & Total Amount (DBT)			Primary Parameter (Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	19			20	21	22	23	24	25
1	Demonstration of foxtail millet variety DHFt-109-3 for higher yield and income	Seeds	3 kg/ac	150	Yield	q/ha	Fodder yield	t/ha	-	-
		Azospirillum	250 g	16						
		Product demo.	-	100						
		Total Rs./ Demo.		**266**						
		Total Rs. for 10 Demo,.		**2660**						

SN	Title	Thematic Area	Crop Category	Crop Name	Variety / Hybrid Name	Farming Situation	No. of demos	Area (ha)	Season	Previous Crop
1	2	3	4	5	6	7	8	9	10	11
2	Demonstration of Little millet variety DHLM-36-3 for higher yield and income	ICM	Cereal	Little millet	DHLM-36-3	Rainfed	15	6	Kharif	Maize

SN	Title	Male		Female		Farmers Practice	Recommended Practice	Source of Technology Recommended Practice
		Others	SC/ST	Others	SC/ST			
1	2	12	13	14	15	16	17	18
2	Demonstration of Little millet variety DHLM-36-3 for higher yield and income	9	2	1	2	Use of local variety and use of chemical fertilizer	ICM	UAS Dharwad

SN	Title	Critical Inputs Provided & Total Amount (DBT)			Primary Parameter (Yield)	Primary Parameter Unit (Q/ha)	Secondary Parameter1	Secondary Parameter Unit1	Secondary Parameter2	Secondary Parameter Unit2
1	2	19			20	21	22	23	24	25
2	Demonstration of Little millet variety DHLM-36-3 for higher yield and income	Seeds	3 kg/ac	150	Yield	q/ha	Fodder yield	t/ha	Pest & disease	%
		Azospirillum	250 g	25						
		Product demo.	-	100						
		Total Rs./ Demo.		**275**						
		Total Rs. for 15 Demo,.		**4125**						

C. Trainings related to organic farming

SN	Training Category (OFT/ FLD/Oth)	Training Type (Regular/ Vocational/ Sponsored/ Rural Youth/ Extension)	Training location (On/Off)	Training For (General Rural Youth/ Extension)	Duration (Days)	Title	Thematic Area
1	2	3	4	5	6	7	8
1	FLD	Regular	Off	General	One	Organic farming in foxtail millet	ICM
2	FLD	Regular	Off	General	One	Organic farming in little millet	ICM
3	Other	Regular	Off	General	One	ICM in banana	ICM

SN	Sub Thematic Area	Skill is to impart? (Y/N)	Source of Fund(if sponsored)	Agency Name	Amount (Rs)	Others Male	Others Female	SC/ST Male	SC/ST Female
1	9	10	11	12	13	14	15	16	17
1.	Nutrient management	N	-	-	-	7	1	2	-
2.	Nutrient management	N	-	-	-	7	1	2	-
3.	Nutrient management	N	-	-	-	20	2	3	-

D. Extension programme related to organic farming

SN	Extension programme	No. of Programme	No. of Farmers/ participants	No. of Extension Officers
1.	Advisory over Phone	25	50	10
2.	Bi-Monthly meeting	2	20	10
3.	Celebration of Day	1	50	10
4.	Diagnostic visit	10	50	8
5.	Exhibition	5	1500	12
6.	Exposure Visit	5	150	15
7.	Ex-trainees Samelan	1	30	5
8.	Extension Literature	6	-	-
9.	Farmers Science conveners meeting	0	0	0
10.	Farmer /Extension personnel visit to KVK	20	20	0
11.	Farmers Seminar/ Workshop	01	100	5
12.	Field day	2	100	10
13.	Film Show	1	25	5
14.	Formation of SHGs	02	50	0
15.	Group Meeting	10	50	4
16.	Kisan Ghosti	2	60	3
17.	Kisan Mela	01	2000	15
18.	Lecture delivered as resource person	10	200	10
19.	Method demonstration	10	50	5
20.	News paper coverage	10	0	0
21.	No. of animals treated	0	0	0
22.	Popular arterials	10	-	-
23.	Radio talk	4	-	-
24.	Scientist visit to Farmers Field	20	100	10
25.	SHC campaign	0	0	0
26.	SHG meeting	0	0	0
27.	Technical Reports	2	0	0
28.	TV Talk	02	50	6
29.	Other- Specify	0	0	0
	Total	**162**	**4655**	**143**

E. Organic Certification is planned? If Yes Details - No

F. Any other activity related to Organic farming.- No

11. Swachh Bharat Abhiyaan

Activity	Month	Details	No. of Participants / Farmers
Management of Agriculture residue through composting culture	September-18	Agriculture residue will be heaped and treated with dung slurry containing composting culture.	50
Hygienic live stock farming	November -18	Live stock are raised in Hygienic manner so cleanness in farming can be maintained by proper flooring management of dung & Urine by composting, vermicomposting, bio gas production	25
Precious use of sewage water for horticulture crops	November -18	Treatment of sewage water by aerobic respiration & use it to horticulture crops	50
Safe disposal of household waste	August-18	Methods of safe disposal and compost preparation using kitchen waste	50
Health and hygiene	August-18	Health and hygiene practices for school children	500
Motivation for toilet use	October -18	Motivation for non users	25
Soil health & human health	Dec-5	Soil health & human health	400

12.Budget

A. Revolving Fund (Rs in Lakh)

Opening balance as on 01.04.2017	Expenditure incurred during 2017-18	Receipts during 2017-18	Closing balance as on 31.01.2018
7.70	14.19	9.20	2.70

B. Details of budget utilization (2017-18) upto 31 January 2018

S.No.	Particulars	Sanctioned	Released	Expenditure (31.01.18)	Expenditure (20.03.18)
A. Recurring Contingencies					
1	**Pay & Allowances**	106,20,000	7811000	7119921	7988869
2	**Traveling allowances**	150000	100000	88705	123594
3	**Contingencies**				
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	300000	225000	200870	215842
B	POL, repair of vehicles, tractor and equipments	200000	200000	173350	195672
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	100000	50000	39690	65850
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	50000	10000	3620	8588
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	270000	190000	187387	203148
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	50000	40000	38146	38146
G	Training of Extension Activities	50000	85000	24111	24111
H	Training of extension functionaries	25000	15000	14918	14918
I	IFS	50000	0	0	0
J	FFS	30000	20000	6188	11439
K	EDP	30000	0	0	0
L	Display Boards	0	0	0	0
M	Maintenance of buildings	50000	50000	0	0
N	Establishment of Soil, Plant & Water Testing Laboratory	0	0	0	0
O	Library	5000	0	3399	3399
P	Soil & water testing & issue of soil health cards	25000	10000	0	0
Q	*Farmers Conclave, KVK Conference*	0	25000	0	0
	TOTAL (A)	**12005000**	**8821000**	**7900305**	**8871876**
B. Non-Recurring Contingencies					
1	**Works**	0	0	0	0
2	**Equipments including SWTL & Furniture**	0	0	0	0
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	0	0	0	0
4	**Library**	10000	0	0	0
	TOTAL (B)	**10000**	**0**	0	0
C. REVOLVING FUND		00	0	0	0
	GRAND TOTAL (A+B+C)	**12015000**	**8821000**	**7900305**	**8871876**

C. Details of Budget Estimate (2018-19) based on proposed action plan

S.No.	Particulars	BE 2018-19 Proposed
A. Recurring Contingencies		
1	**Pay & Allowances**	1060000
2	**Traveling allowances**	200000
3	**Contingencies**	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	275000
B	POL, repair of vehicles, tractor and equipments	250000
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	100000
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	50000
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	301215
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	61840
G	Training of Extension Activities	40000
H	Training of extension functionaries	30000
I	IFS	30000
J	FFS	30000
K	EDP	30000
L	Display Boards	30000
M	Maintenance of buildings	50000
N	Establishment of Soil, Plant & Water Testing Laboratory	0
O	Library	10000
TOTAL (A)		**2548055**
B. Non-Recurring Contingencies		
1	**Works**	0
2	**Equipments including SWTL & Furniture**	700000
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	0
4	**Library** (Purchase of assets like books & journals)	50000
	TOTAL (B)	**750000**
C. REVOLVING FUND		**0**
GRAND TOTAL (A+B+C)		**32,98,055**

ICAR-ATARI, Bengaluru
List of Approved OFTs & FLDs for the year 2018-19
Name of KVK-Haveri

(A) On Farm Testing (OFT)

Sl. No.	Crop/ Enterprise	Title	Number	Amount (Rs.)
1.	Paddy	Assessment of Boron application in paddy	05	11000
2.	Chilli	Assessment of chilli hybrids for yield potential, disease & pest resistance	03	9900
3.	Mango	Management of Leaf hopper and powdery mildew in Mango	03	6840
4.	Paddy	Effect of Silicon application in rice	03	12000
5.	Sugarcane	Micronutrient management in early crop growth stages of Sugarcane	03	15300
6.	Sheep	Assessment of Detoxified karanja cake as protein source on growth of lambs	01	6800
		Total	**18**	**61840**

(B) Frontline Demonstration (FLD)

Sl. No.	Crop/ Enterprise	Title	Number	Amount (Rs.)
1.	Paddy	Integrated crop management in transplanted Paddy	15	41775
2.	Maize	Integrated crop management maize	10	29150
3.	*Rabi* Sorghum	Demonstration of *rabi* sorghum variety SPV-2217	15	18555
4.	Onion	ICM in onion	10	29000
5.	Cabbage	ICM in Cabbage	10	20500
6.	Chilli	Enhancement of yield in Green chilli	05	27350
7.	Betelvine	ICM in Betel vine	05	19500
8.	Mango	ICM in Mango	05	14750
9.	Soybean	ICM in Soybean	10	15350
10.	Banana	Demonstration of micronutrients in Banana using Banana special	05	7750
11.	Tomato	Integrated Nutrient Management in tomato	05	6250
12.	Fodder	Demonstration on Fodder Cafeteria	05	20000
13.	Dairy	Energy and non-protein nitrogen source supplementation through UMMB as licks	10	8000
14.	Dairy	Clean milk production	05	9000
15.	Dairy	Demonstration of Anionic mineral mixture for prevention of milk fever in Dairy cattle	05	7500
16.	Enterprise	Super grain bags for safe storage	05	20000
		Total	**125**	**294430**

(C)Organic -Frontline Demonstration (O-FLD)

Sl.No.	Crop/Enterprise	Title	Number	Amount (Rs.)
1.	Foxtail millet (K)	Demonstration of foxtail millet variety DHFt-109-3 for higher yield and income	15	2660
2.	Little millet (K)	Demonstration of Little millet variety DHLM-36-3 for higher yield and income	15	4125
		Total	**30**	**6785**

Abstract

Sl.No.	Particulars	Number	Amount (Rs.)
A	OFTs	06	**61840**
B	FLDs	16	**294430**
C	Organic FLD	02	**6785**
	Grand Total	**24**	**363055**