

ACTION PLAN OF ICAR KRISHI VIGYAN KENDRA, VIJAYAPURA-II (INDI) FOR THE YEAR-2020-21

1. General information about the KrishiVigyan Kendra

1.1	Name and address of KVK with phone, fax and e-mail ID	:	ICAR – KrishiVigyan Kendra, Vijayapura II (Indi), Station road, Indi Phone : 08359-225666 Fax : 08359-225666 Email: kvkindi2016@gmail.com kvkindi@uasd.in
1.2	Name and address of host organization	:	University of Agricultural Sciences, Krishi Nagar, Dharwad-05 Phone : 0836-2447494 Fax : 0836-2748199 Email : deuasd@redifmail.com
1.3	Year of sanction	:	2016 (28th September)
1.4	Website address of KVK and date of last update	:	www.indikvk.org 15.01.2020

2. Details of staff as on date 31-03-2020

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	If permanent, please indicate		Date of joining	If temporary, pl. indicate the consolidated amount paid (Rs./month)
				Current pay band	Current grade pay		
2.1	Senior Scientist & Head/PC	Dr. R. B. Negalur	Agronomy	131400-2,11,500	Level 13A	18-08-2017	
2.2	Subject Matter Specialist	Dr. Savita, B.,	Soil Science	57700-92500	Level 10	21-02-2017	
2.3	Subject Matter Specialist	Dr. Santosh Shinde	Animal Science	57700-92500	Level 10	12-04-2017	
2.4	Subject Matter Specialist	Mrs. Heena, M.S.	Horticulture	57700-92500	Level 10	24-07-2017	
2.5	Subject Matter Specialist	Dr. Ravi, Y.	Home Science	57700-92500	Level 10	24-07-2017	
2.6	Subject Matter Specialist	Dr. SyedaSaminaAnjum	Plant Pathology	57700-92500	Level 10	28-07-2017	
2.7	Subject Matter Specialist	Vacant	Agronomy	57700-92500	Level 10		
2.8	Programme Assistant (Lab Assistant)	Vacant					
2.9	Technical Officer (Computer Programmer)	Mr. Majeed G	MCA			24-07-2019	
2.10	Programme Assistant (Farm Manager)	Vacant					
2.11	Accountant/Superintendent	Miss. Shilparani	Diploma in Agriculture	30350-58250		07-08-2017	
2.12	Stenographer	Vacant					
2.13	Driver 1	Mr. S.S. Sanadi	SSLC	21400-42000		25-07-2019	
2.14	Driver 2	Vacant	SSLC	21400-42000			
2.15	Supporting staff 1	Mr. Shivappa Sharanappa Bagali	6 th Class	17000-28950		04-09-2017	
2.16	Supporting staff 2	Vacant					

3. Details of SAC meeting conducted during 2019-20 (Not conducted)

Date	Major recommendations	Status of action taken in brief	Reasons for no actions, if any

4. Details of operational areas proposed during 2020-21(Please refer to the implementation plan of DFI)

Clusters	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise that limit yield and income	Extent of area (ha/No.) affected by the problem in the village	Proposed intervention (OFT, FLD, Training, extension activity etc.)*
Indi- Block Bairunagi- Village	Sugarcane (Irri.)- 28 ha	<ul style="list-style-type: none"> Planting material (40%) Root grub (60%) Woolly Aphid(30%) 	18ha	FLD, OFT, Training Programmes, Method demonstrations, Field Visits, field days etc.,
	Redgram (Rainfed. & irrigated)- 23 ha	<ul style="list-style-type: none"> Wilt (20%) Pod borer (45%) SMD (20%) 	16 ha	
	Chickpea (Rainfed)- 12 ha.	<ul style="list-style-type: none"> Pod borer (30%) Dry root rot/wilt (20-30%) 	8 ha	
	Maize (K) Irrigated-20 ha.	<ul style="list-style-type: none"> Fall Army worm (50%) 	12 ha	
	Wheat (irrigated) —12 ha	<ul style="list-style-type: none"> Low yield (45%) Rust(20%) 	8 ha	
	Groundnut (Rainfed)-12 ha	<ul style="list-style-type: none"> Lack of use of bio- fertilizers, Delay maturity due to S deficiency, Ca deficiency causes groundnut pegs and pods to abort and reduced yield 	9 ha	
	Cotton-(irrigated) -25 ha	<ul style="list-style-type: none"> Leaf reddening, pink bollworm and sucking pests incidence, lack of knowledge about foliar nutrition 	15 ha	

	Onion -06 ha	<ul style="list-style-type: none"> • Low yield (30%), Rotting (15%) • Sucking pests (20%) • Purple blotch (50%) 	4 ha	
	Lime-27 ha	<ul style="list-style-type: none"> • Micro nutrient deficiency (10%) low yield during summer • Canker (40 %) , Die back (10 %) • Wilt (10%), Sucking pests (25 %) 	20 ha	
	Grape -4.8 ha	<ul style="list-style-type: none"> • Stem borer (30%), Fruit rot (15%) • Downey and powdery mildew (25%) • Micro nutrient deficiency (10%) 	2.5 ha	
	Pomegranate - 08 ha	<ul style="list-style-type: none"> • Blight (30%) • Wilt (30%) • Fruit sucking moth (25-30%) 	5 ha	
	Chilli -2.4 ha	<ul style="list-style-type: none"> • Low yield and inferior quality • Murda complex (30%) • Powdery mildew infestation (10%) • Sucking pest (30%) 	2.0 ha	
	Watermelon -3 ha	<ul style="list-style-type: none"> • Flowering and fruit set is poor due to deficiency of Boron in cucurbitaceous, yield, quality of fruit is less. 	2 ha	
	Tomato - 2 ha	<ul style="list-style-type: none"> • Flowering and fruit set is poor due to deficiency of micronutrients • Yield and quality of fruit is low 	1.4 ha	
	Livestock & poultry	<ul style="list-style-type: none"> • Lack of knowledge on silage preparation • Low egg laying capacity in local poultry birds • Not aware of improved variety of birds • Scarcity of fodder during summer • Low quality fodder • Slow growth rate in growing goats 		FLD, OFT, Training Programmes, Method demonstrations, Field Visits, field days etc.,

	Fisheries	<ul style="list-style-type: none"> • Lack of knowledge on fish rearing in farm ponds • Low Yield, Problem of fish catching birds 		
	Post-harvest, Nutrition Security, Drugery reducing tools and value addition	<ul style="list-style-type: none"> • Lack of knowledge on value addition (75%) • Unaware of new processing equipment's • Post-harvest losses, Low prevailing market price • Lack of Knowledge about storage practices • Low yield due to non-branching (10 %) • Malnutrition, lack of awareness about nutritious food, non-utilization of resources-Water, Space & organic waste • Lack of awareness on mushroom cultivation, Non utilization of wheat straw and nutritional insecurity 		FLD, OFT, Training Programmes, Method demonstrations, Field Visits, field days etc.,
Sindagi-Block Navadagi Village	Redgram -320 ha	<ul style="list-style-type: none"> • Wilt/ dry root rot and pod borer (60%) • Moisture stress (40%) • Mono-cropping (25 %) 	250 ha	
	Wheat (Rainfed)- 40 ha	<ul style="list-style-type: none"> • Low yielding lodging varieties (45%) • Rust (10%) 	24 ha	
	Chickpea (Rainfed)-240 ha.	<ul style="list-style-type: none"> • Pod borer (30%) • Dry root rot/wilt (20-30%%) 	200 ha	
	Cotton – 300 ha	<ul style="list-style-type: none"> • Leaf reddening, pink bollworm and sucking pests incidence, lack of knowledge about foliar nutrition 	210 ha	

	Maize (K) Irrigated-10 ha.	<ul style="list-style-type: none"> • Fall Army worm (50%) 	6 ha	
	Groundnut (Rainfed)-160ha	<ul style="list-style-type: none"> • No use of bio- fertilizers, • Delay maturity due to S deficiency, • Ca deficiency causes groundnut pegs and pods to abort and reduced yield 	100 ha	
	Lime -20 ha	<ul style="list-style-type: none"> • Micronutrient deficiency (20%), Canker (40%) • Gummosis and die back (10%) 	14 ha	
	Pomegranate -12 ha	<ul style="list-style-type: none"> • Blight (30%) • Wilt (30%) • Fruit sucking moth (25-30%) 	8 ha	
	Onion -28 ha	<ul style="list-style-type: none"> • Low yielding private varieties (30%) • Non availability of season specific varieties • Rotting (15%), sucking pests (20%) • Non-application of sulphur • 15-20 % of storage losses 	22 ha	
	Tomato –4 ha	<ul style="list-style-type: none"> • Flowering and fruit set is poor due to deficiency of micronutrients • Yield and quality of fruit is low 	2 ha	
	Chilli –20 ha	<ul style="list-style-type: none"> • Low yield and inferior quality • Murda complex (35%) • Powdery mildew infestation (10%) • Sucking pest (35%) 	14 ha	
	Watermelon-8 ha	<ul style="list-style-type: none"> • Flowering and fruit set is poor due to deficiency of Boron in cucurbitaceous, yield, quality of fruit is less. 	5 ha	

	Livestock & poultry	<ul style="list-style-type: none"> • Scarcity of green fodder during summer • Lack of knowledge on silage preparation • Low egg laying capacity in local poultry birds • Low quality fodder • Slow growth rate in growing goats • Low milk yield and reduced conception rate 		FLD,OFT, Training Programmes, Method demonstrations, Field Visits
	Fisheries	<ul style="list-style-type: none"> • Lack of knowledge on fish rearing in farm ponds 		
	Post-harvest and value addition	<ul style="list-style-type: none"> • Lack of knowledge on value addition (75%) • Unaware of new processing equipment's • Post-harvest losses, Low prevailing market price • Lack of Knowledge about storage practices • Low yield due to non-branching (10 %) • Malnutrition, lack of awareness about nutritious food, non-utilization of resources-Water, Space & organic waste • Lack of awareness on mushroom cultivation, Non utilization of wheat straw and nutritional insecurity 		FLD,OFT, Training Programmes, Method demonstrations, Field Visits
Chadachan block Manankalagi Village	Redgram -1155 ha	<ul style="list-style-type: none"> • Pod borer (45%) • SMD (30%) • Dry root rot (30 %) 	800 ha	FLD,OFT, Training Programmes, Method demonstrations, Field Visits, field days

Maize (K) Irri- 580 ha.	<ul style="list-style-type: none"> • Fall Army worm (75%) • Root grub (25%) • Micronutrient deficiency 	450 ha	
Wheat (irrigated)- 575 ha	<ul style="list-style-type: none"> • Low yield (55%) • Rust (30%) 	420 ha	
Chickpea (Irri.)-1444 ha.	<ul style="list-style-type: none"> • wilt (30%) • Pod borer (20%) • Dry root rot (30%) 	1264 ha	
Groundnut (Rainfed)- 288 ha	<ul style="list-style-type: none"> • No use of bio- fertilizers, • Delay maturity due to S deficiency, • Ca deficiency causes groundnut pegs and pods to abort and reduced yield 	245 ha	
Sugarcane (Irri.) - 150 ha	<ul style="list-style-type: none"> • Planting material • Stem borer (16 %) • Woolly Aphid (33%) 	120 ha	
Lime-230 ha	<ul style="list-style-type: none"> • Micro nutrient deficiency (10%) • Canker (40 %), Die back (10 %) • Wilt (10%), Sucking pests (25 %) 	180 ha	
Pomegranate -58 ha	<ul style="list-style-type: none"> • Blight (30%) • Wilt (30%) • Fruit sucking moth (25-30%) 	40 ha	
Onion - 58 ha	<ul style="list-style-type: none"> • Low yielding private varieties (30%) • Rotting (15%) • Sucking pests (20%) • Non-application of sulphur • 15-20 % of storage losses 	42 ha	
Tomato – 144 ha	<ul style="list-style-type: none"> • Flowering and fruit set is poor due to deficiency of micronutrients • Yield and quality of fruit is low 	120 ha	
Watermelon- 28 ha	<ul style="list-style-type: none"> • Flowering and fruit set is poor due to deficiency of Boron in cucurbitaceous, yield, quality of fruit is less. 	18 ha	

	Chilli – 56	<ul style="list-style-type: none"> • Low yield and inferior quality • Murda complex (35%) • Powdery mildew infestation (10%) • Sucking pest (35%) 	40 ha	
	Grape – 55 ha	<ul style="list-style-type: none"> • Powdery mildew (20%) • Stem borer (25%) • Micro nutrient deficiency (10%) 	46 ha	
	Livestock & poultry	<ul style="list-style-type: none"> • Lack of knowledge on silage preparation • Low egg laying capacity in local poultry • birds • Not aware of improved variety of birds • Scarcity of fodder during summer • Low quality fodder • Slow growth rate in growing goats 		FLD,OFT, Training Programmes, Method demonstrations, Field Visits, field days
	Fisheries	<ul style="list-style-type: none"> • Lack of knowledge on fish rearing in farm ponds • Low Yield, Problem of fish catching birds 		
	Post-harvest and value addition	<ul style="list-style-type: none"> • Lack of knowledge on value addition (75%) • Unaware of new processing equipment's • Post-harvest losses, Low prevailing market price • Lack of Knowledge about storage practices • Low yield due to non-branching (10 %) • Malnutrition, lack of awareness about nutritious food, non-utilization of 		FLD,OFT, Training Programmes, Method demonstrations, Field Visits, field days

		<p>resources-Water, Space & organic waste</p> <ul style="list-style-type: none">• Lack of awareness on mushroom cultivation, Non utilization of wheat straw and nutritional insecurity		
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5. Technology assessment during 2020-21

Sl.No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of technology	Name of critical input	Qty per trial (g/kg/no)	Cost per trial (Rs.)	No. of trial s	Total cost (Rs.)	Parameters to be studied	Team members
5.1	Chilli	Low yield, inferior quality, private hybrid, incidence of Murda complex.	Assessment of Chilli hybrids for yield potential and disease resistance	TO1(FP): Pvt. Hybrid	-			2800	06	16,800	1) Fruit length (cm) 2) Weight of 10 green fruits (g) 3) Leaf curling index 4) yield and economics	Horticultur e, Plant Protection, SS&H, Home Science
				TO2(RPP): ArkaMeghana	IIHR,B	Seeds and vegetable special (5g/lit)	50g 2kg					
				TO3(AP) : Arka Khyati	IIHR,B	Seeds and vegetable special (5g/lit)	50g 2kg					
5.2	Bhendi	Inferior quality of fruits YVMV incidence and Low yield (7.5t/ha)	Assessment of Bhendi hybrids for adoptability in Vijayapura District	TO1(FP): Pvt. Hybrid				4900 +110 0 for Bhen di pucke r and hand glove s	05	25,600	1)Fruit length (cm) 2)PDI (%) 3) yield and economics	Horticultur e, SS&H Home Science
				TO2(RPP): CoBH-4	TNAU	Seeds and vegetable special	1kg 1kg					
				TO3(AP) : Arka Nikita	IIHR,B	Seeds and vegetable special	1kg 1kg					
				BhendiPluckers and hand gloves								

5.3	Onion	Non-application of sulphur, 15-20 % of storage losses	Assessment of Sulphur application in onion	TO1:Farmer practice	..	Sulphur	12.5 kg	2,750	6	16,500	Soil test before & after application (including sulphur), fresh weight of onion (g), dry weight of onion (g), bulb diameter (cm), yield (q/ha), shelf life (days) and B:C	Soil Science, Horticulture, SS&H Home Science
				TO2: NPKS @ : 110:40:60:20 kg / ha and Azospirillum and PSB @ 5 kg each/ha	DOGR, Pune	Azospirillum	1 kg					
				TO3 : NPKS @ 100:50:50:30 kg/ha and Azotabactor and PSB @ 5 kg each/ha	HRDF, Nasik	Azospirillum	1 kg					
5.4	Chickpea	Low yield due to non branching (10%)	Assessment of solar operated nipping (young tip/shoot collecting) machine for chickpea	TO1: Farmer Practice	FP	Hand nipping	-	6000 +	5	13000 (one machine worth of Rs. 6000 for 5 demos)	Yield and Economics, Qty of green vegetative leaf collected, Income generated by sale of green vegetative leaf	Home Science, SS&H & Soil Science
				TO2:RP: Solar operated nipping (young tip/shoot collector)	UAS, Raichur	Nipping machine	02					
5.5	Lime	Lack of knowledge about storage Practices	Assessment of vacuum packaging machine for lime	TO1: Farmer Practice TO2: Vacuum sealing machine	PAU, Ludhiana	Vacuum sealing machine	02 Machines		06	21, 200 (for 2 machines)	Shelf life, Preserve the quality of lime, Flavor, aroma, colour and nutritional value	Home Science, Horticulture and SS & H
5.6	Pomegranate	Wilt	Wilt management in Pomegranate	TO1= Chloropyriphos 2ml/L drenching	IIHR, Bengaluru	Chloropyriphos 2 ml/lit	500 ml	6125	4	24,500	Wilt incidence, no. of shot hole borers, yield/ ha	Plant Protection, Horticulture, SS&H (Agronomy)
				TO2=Carbendazim 50WP @2g/L	NRC, Pomegra	Chloropyriphos 4ml/lit	1 Lit					

				+Chlorophyriphos 20EC@4ml/L drenching. TO3: AP1= Arka microbial consortia @ 12.5 kg/ha along with FYM TO4: AP4= Application of <i>Trichoderma</i> + <i>Pseudomonas</i> + <i>Paecilomyces</i> enriched FYM @ 15-20g/plant. Propiconazole @1.5ml/L+ Chlorophyriphos 20EC@4ml/L water drenching around plants	nate Solapur	Carbendazim 2g/lit Arka microbial consortia <i>Trichodera</i> 20g <i>Pseudomonas</i> 20g <i>Paecilomycis</i> 20g per plant each Propiconazole 1ml/lit Chloropyriph os 4ml/lit	500 g 5kg 4kg 4kg 4kg 200 ml 1 L)
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5.7	Chickpea	Wilt/dry root rot	Assessment of chickpea varieties for wilt and dry root rot	TO1= JG-11 TO2=BGD 103 TO3=NBeG-47	UAS, Dharwad UAS, Raichur ANGRA U, Guntur	JG-11 BGD 103 NBeG-47	10 kg each	2600	6	15,600	Germination percent, disease incidence and yield	Plant Protection, SS and Head and ,Soil Science
5.8	Livestock	High cost of concentrate feed, Fodder scarcity, lack of awareness on Azolla	Assessment of Azolla as a feed substitutes in growing goats	TO 1: Routine feeding (Dry fodder feeding)				4,200	04	16,800	Body weight gain (Kg), Percent Concentrate replacement	Animal Science, Soil Science,SS&H
				TO 2: Dry fodder feeding + Concentrate feeding	KVAFS U, Bidar	Concentrate feed	30 kg					
				TO 3: Dry fodder feeding + Concentrate feeding + Azolla Feeding	KVAFS U, Bidar	Concentrate,+ Azolla unit,	30 kg					

6. Frontline demonstrations during 2020-21

Sl.No.	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology	Name of critical input	Qty per demo (g/kg)	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
6.1	Cereals	Maize	Fall army worm incidence	Fall army worm management :	-		UAS, Dharwad	Sleeve Traps @ 12 no. per acre.	12 numbers	2200 /-	10	22,000/-	Yield and economics , no of adults trapped in trap, no. of caterpillars, no. of damaged cob	Plant Protection, Soil Science, SS & H and Home Science
								Spray of Emamectin benzoate 5 EC @ 0.25 g/l of water	100g					
								Chlorantriliprol 0.2 ml per litre water spray	30ml					
		Durum wheat	Non availability of high yielding varieties public varieties, lodging, Rust and leaf blight	New variety UAS-304/334 (Resistant to rust & good quality of chapati)	UAS 304/334	-	UAS(D)	Seeds Azospirillum, PSB and Hexaconazole	60 kg 100gm 100 gm 500 ml	2950	06	17,700	No. of tillers / hill, rust incidence, yield and economics	Agronomy H.Sc., , Soil Science, Plant protection

		Dicocumwheat	Low yielding varieties, lodging, leaf blight and rust	<i>Dicocum</i> Wheat DDK-1029, seed treatment with biofertiliser and management of rust.	DDK-1029	-	UAS(D)	Seeds Hexaconazole 1ml/lt	60 k g 500 ml	3100	06	18,600	No. of tillers / hill, lodging %, rust incidence, yield & yield parameters, economics.	Agronomy H.Sc., Soil Science, Plant protection
6.2	Millets													
		Foxtail millet	Low income realization due to lack of knowledge on processing, value addition, labeling, packaging and branding	Foxtail millet variety DHFt-109-3 processing and value addition for health mix	DHFt-109-3	-	UAS(D)	Seeds Azospirillum & PSB Sealing machine Weighing scale Packaging materials Labels	15 Kg 1000g 1 1 Products Products	2000	5	10,000	Yield, Cost of production, Consumer acceptability, Shelf life and Cost of production	H.Sc, Agronomy, Soil Science, Pathology
6.3	Oilseeds													
		Groundnut	Lack of use of bio-fertilisers, Delay maturity due to S deficiency, Ca deficiency causes groundnut pegs and pods to abort and reduced yield	Seed treatment with bio-cultures, Pre-emergence herbicide (Pendimethaline), Zinc sulphate and ferrous sulphate @ 25 kg/ha each, gypsum application @ 500 kg/ha, hostathion for leaf minor.	G2-52	-	UAS, Dharwad	Pods of G2-52 variety pods Bio cultures (Rhizobium, PSB and Trichoderma) Pendimethaline 30%EC Ferrous sulphate Zinc sulphate	30kg 1 kg each 1 Liter 10kg 10kg	06	4,100	24,600	Soil sample analysis before and after foliar spray, yield and economics.	Soil Science, Horticulture and SS & H (Agronomy)

6.4	Pulses													
		Pigeon pea	Low yield due to less branching	Demonstration of solar operated nipping machine for pigeonpea	-	-	UAS, Raichur	Nipping machine Field boards	01 01	-	10	6000	Yield and Economics	Home Science, SS& H and Animal Science
6.5	Commercial crops													
		Cotton	Leaf reddening, pink bollworm and sucking pests incidence, lack of knowledge about foliar nutrition	Pheromone traps (30 nos/ha), Soil application of MgSO ₄ @ 25 kg/ha, foliar application of MgSO ₄ @ 1% at 70 and 90 DAS and alternate furrow irrigation. Profenophos 2ml/L within 100 DAS, At 110-130 DAS use of need based pyrethroid insecticide @ 0.5 ml/ltr. 5% neem oil spray + intercropping of greengram (DGGV-2 variety).	Green gram - DGGV-2	Bt cotton (private hybrid)	UAS, D	Greengram (DGGV-2) - Pheromone traps + lures MgSO ₄ (Soil application) MgSO ₄ (Foliar application) 5% Neem oil Profenophos Soil sample before and after	5 Kg 12+24 Nos. 10 kg 4 kg 1L 500 ml 02	3,200	6	19,200	Soil sample before and after application Larvae / plant, No. of bolls/ plant, leaf reddening index and yield	Soil Science, Agronomy, Plant Protection

		Sugarcane	Increased cost of cultivation, Low yield due to inferior planting material	Popularization of planting of single eye bud seedling methods in sugarcane, wooly aphid and root grub management	Co-86032		SSI,TN AU,Coimbatore, UAS-Dharwad	Seed material (Co-86032)	3000 seedlings	7500	04	30,000	No.of tillers/ Cane yield and yield parameters.	SS & H, Soil Science
6.6	Horticultural crops													
		<i>Kharif</i> Onion	Non availability of improved variety and Low yield due to local and private varieties	Demonstration of Onion variety “Bhima Super” during <i>Kharif</i>	Bhima Super		DOGR, Rajgurunagar (Pune)	Seeds Hexaconozol 5%SC Fipronil	2kg 500ml 500g	4000	06	24,000	Weight and diameter of bulb Pest and disease incidence (%) Yield and economics	Horticulture, Plant Protection, Home Sc. & SS&H
		Ridge gourd	Low income due to monocropping of lime	Introduction of Ridge gourd variety ArkaPrasan/ArkaVikram	ArkaPrasan		IIHR, Bengaluru	Seeds Vegetable special Fruit fly trap	200g 1kg 3	1110	10	11,100	Yield and economics	Hort. , SS&H, Pant Prt. & Soil science

		Rabi Onion	Non availability of season specific variety, Low yield and thrips incidence .	Demonstration of Bhima Shakti for Rabi season	Bhima Shakti	DOGR, Rajgurunagar	Seeds Hexaconozol 5%SC	2kg 500ml	3300	6	19,800	Weight and diameter of bulb Thrips incidence (%) Yield and economics	Hort, Plant Prt, Home Sc. & SS&H
		Lime	Micro nutrient deficiency, low yield during summer incidence of mite, canker, gummosis, nematodes and wilt.	Bahar and micronutrient management in Lime	Kagzi lime	IIHR, Bangalore	Citrus Special Lihocin	6 kg 1 lit	2,350	08	18,800	Percent mite incidence (%) Yield and economics	Hort, Plant Prt, Soil Sc.& Home Sc.

		Tomato	Lack of knowledge of bio fertilizers use, Double the dose use of inorganic fertilizers . Flowering and fruit set is poor due to deficiency of micronutrients Yield and quality of fruit is low	Application of liquid Arka Microbial Consortium to tomato seedling within 7 days of transplanting @ 3 litre per acre through drip irrigation or 5ml per litre of water for soil drenching. Use of vegetable special for foliar spray to substitute micronutrient requirement of vegetable crops (1 st spray at one and half month of transplanting and remaining two sprays @ 15 days interval) along with ArkaSamrat hybrid.	-	Ark aSa mra t	IIHR, Bengalu ru	Seeds Liquid AMC Vegetable special Soil sample analysis Leaf sample analysis	40 g 3 litre 3 kg 2 no 2 no	4000	6	24,000	Soil and leaf sample analysis before and after foliar spray, no. of branches/plant, no. of fruits/plant, average fruit weight(g), pest incidence, yield and economics.	Soil Science, Horticulture, Home Science
		Watermelon	Flowering and fruit set is poor due to deficiency of Boron in cucurbitaceous, yield, quality of fruit is	Mixture of boric acid @ 30g + salicylic acid @ 50g in 1% urea solution/ac, 2 foliar spray should be taken at flower bud appear and after 20 days of 1st spray in melons. Installation of sticky traps (-	-	IIHR, Bengalu ru	Boric acid (17% B) Salicylic acid Sticky traps Fipronil Soil sample analysis (Boron content) Leaf sample analysis (Boron content)	60g 100g 8nos 500ml 02 02	1,640	06	9,840	Soil and leaf sample analysis before and after foliar spray, yield and economics.	Soil Science, Horticulture and SS & H (Agronomy)

			less.	yellow & white).Spraying of fipronil 1ml/lit										
		Chilli	High incidence of murda complex with low yield and inferior quality	Management of chillimurda complex	Jwala	-	UAS, Dharad	5% neem oil Acephate Fenazaquin Neeem cake Vermicompost <i>Paecilomyca</i> Sticky traps	1 L 500 g 500 ml 1 quintal 1 quintal 3kg 18	5360	06	32,160	Yield/Plant/hectare, leaf curling index No of thrips and no of mites/plant	Plant Protection, Horticulture, SS & H (Agronomy), Home Science
		Pomegranate	Fruit sucking moth	Management of fruit sucking moth in pomegranate	Kesar		UAS Raichur, UHS Bagalkot	Light traps (5 traps/acre) + Neemark Cypermethrin	5 traps 1litre 250 ml	6,050	06	36,300	% Fruit sucking moth , yield & economics	Plant Protection, Horticulture, SS & H (Agronomy), H,Sc
6.7	Live stock	Poultry	Low egg laying rate in local birds, Lower body weight gain	Introduction of Improved Dual purpose backyard poultry breed	-	-	KVAFS U, Bidar	1. Birds (3-4 wk) 2. Feed 3. Vaccine	25 20 kg 01	2,730	08	21,840	Body weight gain (kg), Egg laying capacity (No.s) and Economics	Animal Science, Home science, SS&H
	Live	Fodder	Scarcity	Perennial Supply	-	-	IGFRI,	1. Co-5 Stem cutting	1000	2,500	08	20,000	Total	Animal

	stock		of quality fodder during summer, low milk yield, lack of knowledge on new varieties	of Green Fodder model			Dharwad and TNAU, Coimbatore	2. Lucerne seeds 3. StyloHemata 4. CoFs-31	0.5 Kg 0.5 Kg 1.0 Kg				Yield (ton/hectare), Milk Yield (Lit./day)	Science, Soil Science, SS&H
	Live stock	Fodder	Low milk yield, Scarcity of fodder during summer, Lack of knowledge on silage	Demonstration on preservation of green fodder in the form of silage using silo bag	-	-	KVAFS U, Bidar	1. Silo Bag 2. Molasses/jaggery 3. Mineral Mixture	01 Number 10 kg 01 kg	1,400	10	14,000	Quality of silage (grade), Milk Yield (lit./day)	Animal Science, Plant pathology SS&H
	Fishes	Inland Fish farming	Lack of knowledge on composite fish culture Low body weight	Promotion of composite fish farming in farm ponds	Catla, Rohu, Common carp	-	KVAFS U, Bidar	1. Fingerlings 2. Ground nut oil cake 3. Rice bran	1500 no 10 kg 30 kg	2,000	10	20,000	1. Net weight gain (kg) 2. Mortality rate (%)	Animal Science, Horticulture and SS&H

Nutri-Farms:

Nutri farms	Demonstration of nutri-farms for year round nutrition security among farm families	lack of awareness about nutritious food, non-utilization of resources- Water, Space & organic waste	AICRP model - Scientific nutrition garden Source: UAS(B)	IIHR, Arka Vegetable kit	-	IIHR, Bengaluru	Vegetable seed kit, seedlings and vegetable special	Two Vegetable seed kit, seedlings and vegetable special	500	30	15,000	Total production of vegetable, Daily utilization of Fruits & Vegetables in diet, Amount Saved over the period, Preference, Food adequacy * Expenditure on amount spent on vegetable purchased and observation of amount spent on health care of before and after implementation	Home Science, Horticulture, Pathology, Agronomy
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EDP – Entrepreneur Development Programme

	Oyster mushroom cultivation as income generating activity in rural area	Lack of awareness on mushroom cultivation, non utilization of wheat straw and nutritional security	Mushroom cultivation	Oyster mushroom	-	IIHR Bengaluru	Spawn Polythenebags Sprayer Racks	90 kg 525 no 15 no 15 no	30,000	One SHG of 15 members	30,000	Yield (kg), Economics	H.Sc, Horticulture, Agronomy, Pathology and Veterinary
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Entrepreneur Development Programme

7. Training for farmers/ farm women during 2020-21

Sl.No.	Thematic area and the crop/ enterprise	Crop / Enterprise	Related field intervention (OFT/FLD/ Othres)	Training title	No. of courses	Expected No. of participants	Names of the team members involved
7.1	Crop production						
		Maize	OFT	Importance of micronutrient application in agriculture and horticulture crops	01	25-30	Soil Science, Plant Protection, &H (Agronomy)
		Maize	FLD	ICM in maize	01	25-30	Soil Science, Plant Protection, &H, Home Science
		Groundnut	FLD	Integrated Crop Management in Groundnut	01	25-30	Soil Science, Plant Protection, &H Home Science
		Redgram	FLD	Integrated Crop Management in Redgram	01	25-30	Soil Science, Plant Protection, &H Home Science
		Bengalgram	FLD	Integrated Crop Management in Bengalgram	01	25-30	Soil Science, Plant Protection, &H Home Science
		Wheat	FLD	Integrated Crop Management in Wheat	01	25-30	Soil Science, Plant Protection &H Home Science
		Sugarcane	FLD	Integrated Crop Management in sugarcane	01	25-30	Soil Science, Plant Protection,
7.2	Horticulture production						
		Chilli	OFT	Recent advances in chilli cultivation	01	25-30	Hort, Plant Prt, Home Sc.& SS &H
		Bhendi	FLD	ICM in Bhendi& Ridge gourd	01	25-30	Hort., Plant Prt. & Animal Sc.
		Onion	FLD& OFT	Recent advances in onion cultivation	02	25-30	Hort, Plant Prt, Home Sc.& SS &H
		Lime	FLD	ICM in lime	02	25-30	Hort, Plant Prt, Soil Science & SS&H Hort,
		Pomegranate	FLD	Recent advances in pomegranate	01	25-30	Hort, Plant Prt, & SS&H

		Grape	FLD	ICM in grape	01	25-30	Hort, Plant Prt, Soil Science & SS&H
7.3	Livestock production	Fodder	OFT	Azolla and Chaya Cultivation and its importance	02	50-60	Sci (Anim Sc.), Soil Science, SS&H
		Poultry	IFS	Swarnadhara poultry farming	01	20-40	Sci (Anim Sc.), palnt pathology, SS&H
		Sheep and goat	FLD	Broiler goat farming : a way to become successful entrepreneur	02	50-60	Sci (Anim Sc.), Home Science, SS&H
		Livestock	FLD	Perennial Fodder Cultivation	02	50-60	Sci (Anim Sc.), Home Science, SS&H
		Fodder	FLD	Enrichment of dry fodder for enhancement of milk production in cows	02	40-60	Sci (Anim Sc.), Horticulture, SS&H
		Livestock	FLD	Clean milk production	01	25-30	Sci (Anim Sc.), Soil Science, SS&H
		Fodder	FLD	Silage Preparation	02	50-60	Sci (Anim Sc.), Horticulture, SS&H
7.4	Home Science	Pigeon pea	FLD	Solar operated nipping machine for pigeon pea	01	30-50	H.Sc, Horti, Agronomy, Pathology and Soil Science
		Value addition	-	Value addition to cereals, pulses and oil seeds	01	30-50	H.Sc, Agronomy, Veterinary, Pathology and Soil Science
		-	FLD	Agro based micro enterprises for farm women	01	30-50	H.Sc, Veterinary Agronomy, and Soil Science
		Drudgery reducing	OFT	Drudgery reducing tools and equipment's in Chickpea and Pigeonpea	01	30-50	H.Sc, Agronomy, Soil Science and Veterinary
		Mushroom	EDP	Mushroom cultivation	01	30-50	H.Sc, Veterinary Agronomy and Soil Science
		Nutri Farm		Importance of Nutrition garden and its layout	01	30-50	H.Sc, Horti, Agronomy, Pathology and Soil Science
		Lime	-	Economic and health security through value addition in lime	01	30-50	H.Sc, Horticulture Agronomy, Soil Science

							and Veterinary
			OFT	Post harvest technology management in Lime	01	30-50	H.Sc, Horti, Agronomy, Pathology and Soil Science
7.5	Plant protection	Redgram	-	Pest and Disease management in redgram	02	25-30	PP, Agronomy, Soil Science
		-	-	Importance of seed treatment in different crop	02	25-30	PP, Agronomy, Soil Science
		Sugarcane	-	Sugarcane root grub management	02	25-30	PP, Agronomy, Soil Science
		-	-	Safe use of fungicide and insecticide in agriculture and horticulture	01	25-30	PP, Horticulture, Agronomy, Soil Science
		Biopesticide	-	Management of pest and disease through formulation of bio-pesticide	01	25-30	PP, Horticulture, Agronomy, Soil Science
		Maize	FLD	Management of fall armyworm in Maize	02	25-30	PP, Horticulture, Agronomy, Soil Science
		Pomegranate	FLD	Management of fruit sucking moth in pomegranate	01	25-30	PP, Horticulture, Agronomy, Soil Science
		Chilli	FLD	Integrated crop management in chillimurda complex	01	25-30	PP, Horticulture, Agronomy, Soil Science
7.6	Production of inputs at site	Vermicompost		Production of vermicompost	02	60	Soil Science Agronomy,
7.7	Soil health and fertility	Onion	OFT	Importance of Ca and Sulphur in onion	01	25-30	Soil Science, Hort, Plant Prt,
		Groundnut	FLD	Importance of Ca and Sulphur in Groundnut	01	25-30	Soil Science, Hort, Plant Prt,
		Cotton	FLD	Management of leaf Redding and pink boll worm in cotton	01	25-30	Soil Science, Hort, Home Science
		Tomato and Watermelons	FLD	Importance of Foliar application of Micronutrient in tomato and melons	01	25-30	Soil Science, Hort, Plant Prt,
7.8	PHT and value addition	-	-	-	-	-	-
7.9	Capacity building/ group dynamics	-	-	-	-	-	-
7.10	Farm mechanization	-	-	-	-	-	-
7.11	Fisheries production technologies	Inland Fish	FLD	Composite fish rearing in farm ponds	01	30	Animal Science, Horticulture, SS&H
7.12	Mushroom production	Wheat and Dicocccum wheat		Production of mushroom	02	60	Home science, Agronomy

7.13	Agro forestry	-	-	-	-	-	-
7.14	Bee keeping	Lime	FLD	Bee keeping to enhance Pollination	02	60	Horticulture, plant protection
7.15	Sericulture						
7.16	Others, pl. specify						

8. Training for rural youth during 2020-21

Sl.No.	Thematic area and the crop/enterprise	Crop / Enterprise	Related field intervention (EDP/Skill development etc)	Training title	No. of courses	Expected No. of participants	Names of the team members involved
8.1	Crop production	Organic farming		Importance and necessity of organic farming	02	60	Soil Science Agronomy, and horticulture
8.2	Horticulture production						
		Commercial horticulture crops	Skill development	Protected cultivation	01	25-30	Horticulture, Plant Prt, SS& H
		Commercial horticulture crops	Skill development	Protected cultivation	01	25-30	Horticulture, Plant Prt, SS& H
8.3	Livestock production		Skill Development	Scientific Dairy farming	01	30	Animal Science, Soil Science, SS&H
			Skill Development	Scientific Sheep and Goat farming	01	30	Animal Science, Home Science, SS&H
			Skill Development	Scientific Poultry farming	01	30	Animal Science Horticulture, SS&H,
8.4	Home Science		Skill development	Processing of Dal and value addition	01	30-50	H.Sc, Agronomy, Pathology and Soil Science
			Skill development	Processing of millets	01	30-50	H.Sc, Agronomy, Veterinary, Pathology and Soil Science
			Skill development	Primary processing of wheat	01	30-50	H.Sc, Agronomy and Soil Science
			EDP	Mushroom cultivation	01	30-50	H.Sc, Horti, Agronomy, Pathology and Soil Science
8.5	Plant protection		Skill development	management of pest and	01	25-30	Plant protection, Horti.,

				diseases through formulations of biopesticides			Agronomy, soil science, home sci.,
			Skill development	Safe use of fungicides and insecticides in agriculture and horticulture	01	25-30	Plant protection, horti., agronomy, home sci.,
8.6	Production of inputs at site	Vermicomposting	Skill development	Production of vermicompost	02	60	Soil Science Agronomy,
8.7	Soil health and fertility	Soil fertility and productivity	Skill development	Soil testing and fertilizer recommendations	01	25-30	Soil Science Agronomy
		Soil fertility and productivity	Skill development	Scientific way of soil sampling procedure in agriculture and horticulture crops	01	25-30	Soil Science Agronomy and Horticulture
		Nutrient management	Skill development	Leaf sampling for nutrient analysis in horticulture crops	01	25-30	Soil Science and Horticulture
		Nutrient management	Skill development	Different methods of fertilizer applications	01	25-30	Soil Science Agronomy
8.8	PHT and value addition		Skill development	Power operated Onion size grader	1	30-50	H.Sc, Horti, Agronomy, Pathology and Soil Science
			Skill development	Processing of Dal and value addition	1	30-50	H.Sc, Agronomy, Veterinary and Soil Science
			Skill development	Primary processing of Lime	1	30-50	H.Sc, Horti, Agronomy, Pathology and Soil Science
			Skill development	Value addition in minor millet	1	30-50	H.Sc, Agronomy and Soil Science
			Skill development	Primary processing of wheat	1	30-50	H.Sc, Horti, Agronomy, Pathology and Soil Science
		Horticulture crops	Skill development	Post-harvest technology of horticulture crops	1	25-30	Horti, H.Sc, Agronomy, Pathology and Soil Science
8.9	Capacity building/ group dynamics						

8.10	Farm mechanization						
8.11	Fisheries production technologies	Inland Fish	Skill Development	Composite fish rearing in farm ponds	01	30	Sci (Anim Sc.), Horticulture, SS&H
8.12	Mushroom production	Wheat and Dicoccum wheat straws	EDP	Mushroom cultivation	01	30	H.Sc, Horti, Agronomy, Pathology and Soil Science
8.13	Agro forestry						
8.14	Bee keeping						
8.15	Sericulture						
8.16	Others, pl. specify						

9. Training for extension personnel during 2020-21

Sl.No.	Thematic area and the crop/enterprise	Training title	No. of courses	Expected No. of participants	Names of the team members involved
9.1	Crop production				
9.2	Home Science	Importance of Nutri garden and Health management to anganwadi workers	01	30-50	H. Sc, Veterinary, Agronomy and Horticulture
		Nutritional importance of Milk and milk products for preschool children	01	30-50	H. Sc, Agronomy, Veterinary and Horticulture
		Nutrition and health management in pregnant women and lactating women	01	30-50	H. Sc, Agronomy, Veterinary and Horticulture
9.3	Capacity building and group dynamics				
9.4	Horticulture	Protected cultivation	01	30	Horticulture, Plant Prt& SS&H
9.5	Livestock production and management	Management of reproductive problems under field conditions	01	30	Sci (Anim Sc.), Home Science, SS&H
9.6	Plant protection				
		Organic farming for sustainable agriculture	01	30	Plant prot., SS &H, soil science , Vet Sci.,
		Pest and diseases of major field crops and their management	01	30	Plant prot., SS &H, soil science , home sci.,
		Pest and diseases of major fruit crops and their management	01	30	Plant prot.,Horticulture, SS &H

9.7	Farm mechanization				
9.8	PHT and value addition	Power operated Onion size grader	01	30-50	H.Sc, Horti, Agronomy, Pathology and Soil Science
		Post-harvest management in pomegranate	01	30-50	H.Sc, Agronomy, Veterinary and Soil Science
		Post-harvest management in pomegranate Lime	01	30-50	H.Sc, Horti, Agronomy, Pathology and Soil Science
		Post-harvest management in Grapes	01	30-50	H.Sc, Agronomy and Soil Science
		Post-harvest management in agricultural crops	01	30-50	H.Sc, Horti, Agronomy, Pathology and Soil Science
9.9	Production of inputs at site				
9.10	Sericulture				
9.11	Fisheries				
9.12	Other, pl. specify				
		Biofertilizers applications, uses and their role in agriculture	01	30	Soil Science Agronomy and Plant Protection

10. Vocational trainings during 2020-21

Sl.No.	Thematic area and the crop/enterprise	Training title	No. of programmes	Duration (days)	Expected No. of participants	Sponsoring agency, if any	Names of the team members involved
10.1	Crop production						
10.3	Capacity building and group Dynamics						
10.4	Horticulture	Dry land horticulture	01	2	25	ATARI	Horticulture, Plant Prt& SS&H
10.5	Livestock production and management	Scientific goat farming	02	03 days	30	-	Sci (Anim Sc.), Soil Science, SS&H

		Scientific Dairy farming	01	03 days	30	-	Sci (Anim Sc.), Plant pathology, SS&H
		Scientific Poultry farming	01	03 days	30		Sci (Anim Sc.), Horticulture, SS&H
10.6	Plant protection	Organic farming	01	5	25	ATARI	Plant Prt ,SS&H & Horticulture,
10.7	Farm mechanization						
10.8	PHT and value addition						
		Mushroom cultivation					
		Primary processing of Lime	1	1	30-50		H.Sc, Horti, Agronomy, Pathology and Soil Science
		Value addition in minor millet	1	1	30-50		H.Sc, Agronomy and Soil Science
		Primary processing of Redgram	1	1	30-50	-	H.Sc, Agronomy and Soil Science
10.9	Production of inputs at site						
10.10	Sericulture						
10.11	Fisheries						
10.12	Other, pl. specify						
		Problematic soils and their management	01	25	ATARI	25-30	Soil Science Agronomy

11.11	Fisheries						
11.12	Others, pl. specify						

12. Extension activities during 2020-21

Sl. No.	Extension activity	No. of activities	Targeted numberof participants	Names of the team members involved
12.1	Advisory services	417	2367	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.2	Diagnostic visits	101	700	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.3	Field days	15	750	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.4	Group discussions	17	800	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.5	Kisangosthies	6	285	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.6	Film shows	15	370	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.7	Self -Help Groups (SHGs) meetings	12	225	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.8	KisanMelas	6	4800	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.9	Exhibitions	9	1265	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.1	Scientists' visit to farmers fields	70	575	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.11	Plant/soil health/animal health camps	2	140	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.12	Farm science club meetings	1	50	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.13	Ex-trainees (Meetings)	0	0	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy

12.14	Farmers' seminars/workshops	3	130	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.15	Method demonstrations	16	580	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.16	Celebration of important days	07	120	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.17	Special day celebrations	10	300	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.18	Exposure visits	0	0	
12.19	Technology week celebration	0	0	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.2	Farmers Field School (FFS)	1	25	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.21	Farm innovators meet	0	0	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.22	Awareness programmes	12	671	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.23	Pre-kharif campaign	2	400	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.24	Pre-rabi/summer campaign	2	400	Animal Science, Soil Science, Horticulture, Home Science, Plant Protection and Agronomy
12.25	Others, pl. specify	0	0	

13. Activities proposed as knowledge and resource center during 2020-21

13.1 Technological knowledge

Sl. No.	Category	Details of technologies	Area (ha)	Number	Names of the team members involved
13.1.1	Kitchen garden	250m ²	1	Horticulture and Home science	Kitchen garden
	Nursery unit	1400sq ft	1	Horticulture	Nursery unit
	Fruits orchard	1.5 ha		Horticulture	Fruits orchard
	Medicinal block	250m ²		Horticulture	Medicinal block
	Kitchen garden	250m ²	1	Horticulture and Home science	Kitchen garden
13.1.2	Demonstration units	Kitchen garden	250m ²	1	Home science and Horticulture
		Fodder block Making Unit		1	Animal Science
		Azolla Unit	-	1	Animal Science
		Fodder park	2 Acre	-	Animal Science
		Dairy Unit	-	1	Animal Science
		Hydroponics Unit	-	01	Animal Science
		Poultry Unit		01	Animal Science
		Vermicompost Unit	-	1	Plant Protection
	Mushroom Production Unit		01	Home Science	
13.1.3	Lab analytical services				
13.1.4	Technology week				
13.1.5	Others, Pl. specify				

13.2 Technological products

Sl. No.	Category	Name of the production partner agency, if any	Name of the product	Quantity planned to be produced during 2020-21 (q)	Number planned to be produced during 2020-21	Names of the team members involved
13.2.1	Seeds					
		-				
			Redgram	50	-	SS & H and farm manager
			Bengalgram	20	-	
			Rabi jowar	40	-	
13.2.2	Planting material					
		Lime		500	Horticulture, Plant Prt. &SS&H	Lime
		Drumstick		500	Horticulture, Plant Prt,& SS&H	Drumstick
13.2.3	Bio-products					
13.2.4	Livestock strains					
13.2.5	Fish fingerlings					
13.2.6	Any other, pl specify					

13.3 Technological information

Sl. No	Category	Technological capsules/lectures/number	Names of the team members involved
13.3.1	Technology backstopping to line departments		
	a. Agriculture	4	Plant Protection and Soil Science
	b. Horticulture	5	Horticulture and Plant Protection
	c. Animal Husbandry	05	Animal Science
	d. Fisheries	01	Animal Science
	e. Agricultural Engineering		
	f. Sericulture		
	g. Others, pl. specify Child and social welfare	2	Home Science
13.3.2	Literature/publication		
13.3.3	Electronic media		
13.3.4	Kisan mobile advisory services		
13.3.5	Information on centre/state sector schemes and service providers in the district (Data may be collected from different agencies).		

14. Additional activities planned during 2020-21

Sl.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
14.1	UAS (D)	Research	Effect feeding of Densified fodder block prepared using Moringa <i>Oleofera</i> and Sesbania <i>Sesban</i> in Osmanabadi Goats	10,00,000.00	Dr. Santhosh Shinde
14.2	ATMA	Research	Effect of Sulphur Application on productivity and quality in Onion	20,000	Dr. Savita B
14.2	ATMA	Research	Short term research and extension	2,00,000	Agronomy, Plant Protection, , Soil Science, Horticulture, Animal Science and Home science
14.3			Establishment of lime processing Unit	40,00,000	Dr. Ravi Y, Smt. Heena M.S.

15. Revolving fund

15.1 Financial status of revolving fund

Opening balance as on 01.04.2019 (Rs.in Lakh)	Expenditure incurred during 2019-20 (Rs.in Lakh)	Receipts during 209-20 (Rs.in Lakh)	Closing balance as on 31.03.2020 (Rs.in Lakh)
10.70	5.57	4.06	9.19

15.2 Plan of activities under revolving fund

Sl.No.	Proposed activities	Expected output	Anticipated income (Rs.)	Names of the team members involved
15.2.1	Production of milk from dairy animals	3500 lit.	1,20,000.00	Scientist (Animal Science)
15.2.2	Poultry unit	1000 birds	50,000.00	Scientist (Animal Science)
15.2.3	Fodder blocks production	20000	20,000	Scientist (Animal Science)
15.2.4	Vermi-compost	5000 kg	30,000	Scientist (Plant Protection)
15.2.5	Soil sample analysis	100 nos	20,000	Scientist (Soil Science)
15.2.6	Horticulture Seedling	1000	10,000	Scientist (Horticulture)

16. Activities of soil, water and plant testing laboratory during 2020-21

Sl.No.	Type of samples	No.of samples to be analyzed	Names of the team members involved
16.1	Soil test using analytical lab	50	Dr. Savita B.
16.2	Soiltest using mobile analysis kit		
16.3	Water	50	3Dr. Savita B
16.4	Plant		
16.5	Others, pl. specify		

17. E-linkage during 2020-21

Sl. No	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
17.1	Title of the technology module to be prepared	April, 2021	--
17.2	Creation and maintenance of relevant database system for KVK FLD and OFT, Soil and water testing result data base, training data base	Creation of Farmer database of FLD and OFT	
17.3	Any other (Please specify) : Sending message through Kisan portal, sending newspaper coverage.		

18. Activities planned under rainwater harvesting scheme (only to those KVKs which are already having scheme under rain water harvesting)

Sl. No	Activities planned	Remarks if any
	-	-

19. Farmers Field School (FFS) planned - Nil

Thematic area	Title of the FFS	Budget proposed in Rs.
Integrated Management	ICM in Redgram	50,000

20. Integrated Farming System(IFS) planned

Description of model(s)	No. of models/units	Budget proposed in Rs.
Agriculture & Horticulture components Animal Component - Goat (2) Fisheries – Fingerlings (Rohu or Common carps) Poultry -Swarnadhara (20 Birds) Fodder Trees – Sesbania, Calliandra Azolla cultivation	05	50,000/-

21. Details of budget utilization (2019-20) upto 31 March 2020

(Rs. in Lakh)					
Sl.No.	Particulars	Sanctioned	Released	Expenditure	Balance
21.1	(A). REVENUE (Recurring Contingencies)				
21.1.1	Pay & Allowances	97.00	97.00	96.86	0.14
21.1.2	Traveling allowances	1.75	14.45	1.75	0.0
21.1.3	Contingencies	14.45		-	-
21.1.3.a	<i>Stationery, telephone, postage and other expenditure on office running, publication of Newsletter</i>	3.10		3.10	0.0
21.1.3.b	<i>POL, repair of vehicles, tractor and equipments</i>	1.75		1.75	0.0
21.1.3.c	<i>Food/refreshment for farmers/extension personnel @ Rs.150/person/day</i>	1.25		1.24	0.01
21.1.3.d	<i>Training material (need based materials and equipments for conducting the training)</i>	0.50		0.16	0.34
21.1.3.e	<i>Frontline demonstrations</i>	3.79		3.66	0.13
21.1.3.f	<i>On farm testing (OFTs)/Technology Assessment</i>	0.71		0.70	0.01
21.1.3.g	<i>Integrated Farming System (IFS) (Min. 5 Units)</i>	0		0.0	0.0
21.1.3.h	<i>Training of extension functionaries</i>	0.25		0.25	0.0
21.1.3.i	<i>Extension activities/services</i>	0.50		0.40	0.10
21.1.3.j	<i>Farmers' Field School</i>	0		0.0	0.0
21.1.3.k	<i>EDP (2 Nos.) / Innovative activities</i>	0.55		0.49	0.06
21.1.3.l	<i>Soil & water testing & issue of soil health cards</i>	0.25		0.24	0.01
21.1.3.m	<i>Maintenance of building (Repair and Renovation)</i>	0		0.0	0.0
21.1.3.o	<i>Video production</i>	0	0.0	0.0	
21.1.3.p	<i>Library (Purchase of Journals, Periodicals, News Papers & Magazines)</i>	0.05	0.03	0.02	
	Total Recurring	111.45	111.45	110.63	0.82
21.2	(B). CAPITAL (Non-Recurring Contingencies)				
21.2.1	Equipments & Furniture (Including tractor)	10.00			
	Office equipment	2.0	-	-	-
	IT	2.0	1.50	-	1.50

	Office and Hostel Furniture	6.0	6.0	-	-	-
21.2.2	Works		136.69			
	a) Administrative Building (III Installment)	48.00	48.00	119.69	104.99	14.70
	b) Farmers hostel (all installment after deduction of initial release made)	71.69	71.69			
	c) Compound cum fencing	9.0	9.0		-	-
	d) Demonstration unit (2)	8.0	8.0			
21.2.3	Vehicle (Four wheeler)		-	-	-	-
21.2.4	Library (Purchase of assets like book & Journal back volume)		-	-	-	-
	Total Non-Recurring		146.69	121.19	104.99	16.20
21.3	(C). REVOLVING FUND		-	-	-	-
	GRAND TOTAL (A+B+C)		258.14	232.64	215.62	17.02

22.Details of Budget Estimate based on proposed action plan(2020-21)

(Rs in Lakhs)

Sl.No.	Particulars	BE 2020-21 proposed (Rs.)
21.1	(A). REVENUE (Recurring Contingencies)	
21.1.1	Pay & Allowances	100
21.1.2	Traveling allowances	2.50
21.1.3	Contingencies	
21.1.3.a	<i>Stationery, telephone, postage and other expenditure on office running, publication of Newsletter</i>	3.00
21.1.3.b	<i>POL, repair of vehicles, tractor and equipments</i>	2.50
21.1.3.c	<i>Food/refreshment for farmers/extension personnel @ Rs.150/person/day</i>	1.50
21.1.3.d	<i>Training material (need based materials and equipments for conducting the training)</i>	0.50
21.1.3.e	<i>Frontline demonstrations</i>	4.00
21.1.3.f	<i>On farm testing (OFTs)/Technology Assessment</i>	1.50
21.1.3.g	<i>Integrated Farming System (IFS) (Min. 5 Units)</i>	0.50
21.1.3.h	<i>Training of extension functionaries</i>	0.25
21.1.3.i	<i>Extension activities/services</i>	0.50
21.1.3.j	<i>Farmers' Field School</i>	0.00
21.1.3.k	<i>EDP (2 Nos.) / Innovative activities</i>	0.32
21.1.3.l	<i>Soil & water testing & issue of soil health cards</i>	0.25
21.1.3.m	<i>Maintenance of building (Repair and Renovation)</i>	0.50
21.1.3.o	<i>Video production</i>	
21.1.3.p	<i>Library (Purchase of Journals, Periodicals, News Papers & Magazines)</i>	0.05
	Total Recurring	127.87
21.2	(B). CAPITAL (Non-Recurring Contingencies)	
21.2.1	Equipments & Furniture (Including tractor)	10.00
	Office equipment	4.00
	IT	2.00
	Office and Hostel Furniture	4.00
21.2.2	Works	
	a) Staff quarters	100
	b) Demonstration unit (2)	16
	c) Bio Control Lab	30
21.2.3	Vehicle (Four wheeler)	
21.2.4	Library (Purchase of assets like book & Journal back volume)	
	Total Non-Recurring	
21.3	(C). REVOLVING FUND	
	GRAND TOTAL (A+B+C)	283.87

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