

ICAR-ATARI, ZONE-XI, BENGALURU

PROFORMA FOR ACTION PLAN 2021-22

ICAR-KRISHI VIGYAN KENDRA, UTTARA KANNADA BANAVASI ROAD, SIRSI

1. General information about the KrishiVigyan Kendra

1.1	Name and address of KVK with phone, fax and e-mail ID	:	ICAR-Krishi Vigyan Kendra, Uttara Kannada 08384-228411, kvk.Uttarakannada@icar.gov.in, kvkuks@gmail.com
1.2	Name and address of host organization	:	University of Agricultural Sciences, Dharwad
1.3	Year of sanction	:	2004
1.4	Website address of KVK and date of last update	:	www.kvkuttarkannada.org , 16.01.2021

2.Details of staff as on date

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. Manju M.J.	(Plant Pathology)	131400-217100	--	23/10/2017	--
2.2	Subject Matter Specialist	Dr. Roopa S. Patil,	Agri.Entomology)	79800-217100	--	03/12/2008	--
2.3	Subject Matter Specialist	Shri. Shivashenkarmurthy,M.	Agronomy	68900-205500	--	28/11/2011	--
2.4	Subject Matter Specialist	Shri. Venkatesh L	Agroforestry	57700-182400		05/05/2016	--
2.5	Subject Matter Specialist	Dr. Ranganath G. J,	Veterinary Science	57700-182400	--	13/09/2017	--
2.6	Subject Matter Specialist	Shri. Harisha D. K	Horticulture	57700-182400	--	18.07.2019	--
2.7	Subject Matter Specialist	Vacant	Home science	57700-182400	--	--	--
2.8	ProgrammeAssistant (Comp. prg)	Smt. Annapurna Neeralgi	Technical officer	44900-142000	-	28/03/2010	--
2.9	Programme Assistant (Lab Assistant)	Dr. Siddappa Kannur	Technical officer	44900-142000	-	02/08/2013	--
2.10	Programme Assistant (Farm mgr.)	Dr. Krishna K. S	Technical officer	44900-142000	-	24.09.2019	--
2.11	Accountant/Superintendent	Smt. Sumalatha S. P.	Senior Assistant	37900-70850	--	05/09/2015	--
2.12	Typist	Vacant	Typist	37900-70850	--	--	--
2.14	Driver 1	Shri. Somanagowda Biradar	Driver (L.V)	21400-42000	--	28.04.2021	--
2.16	Supporting staff 1	Shri .Hazarat A Nadaf	Asst.cook cum care taker	19950-37900	--	02/08/2007	--
2.17	Driver 2	Vacant	Driver (H.V)	27650-52650	--	--	--
2.18	Supporting staff 2	Vacant	Messenger	21400-42000	--	--	--

3. Details of SAC meeting conducted during 2020-21

Date	Suggestion/Decision	Action to be taken by	Reasons for no actions, if any
7.11.2020	Establishment of Nutrition Gardens in Anganwadi, in collaboration with the Department of Women and Child Development.	Organized Workshop on healthy nutrition security in collaboration with woman and child development department Sirsi and distributed 50 vegetable kits for establishment of Nutrition Gardens in Anganwadi.	
	Steps are to be taken in collaboration with the Horticulture Department to identify adulteration of honey and pesticide residues. A Project proposal to establish a laboratory in this regard may be sent to the concerned.	Made discussion with SADH, Sirsi re establishment of honey purity testing laboratory at Sirsi. DPR yet to prepare to submit under NBHM	
	Establishment of a unit under the Center for Value addition of Agricultural Products. Steps are to be taken to obtain the necessary equipment from the Food Technology Department, Agricultural University, Dharwad. This unit is to be provided for the farmers to value add their products, at minimum cost.	Yet to be initiated	
	Implementation of appropriate programs for value addition of agricultural waste.	Organised webinar on Waste to Wealth on 22.12.2020 under Swacchatha Abhiyana	
	Rejuvenation of cardamom crops is essential and measures should be taken to provide good variety seedlings to the farmers. OFT is to be planned to address diseases and low yield problems in cardamom.	Providing 4000 mudigere- 1 cardamom seedlings to the farmer. Proposing OFT on evaluation of cardamom varieties	
	Soil and Water Testing are to be increased	Trainings and awareness programmes are being conducted to create awareness about importance of soil testing.	
	Mono cropping is commonly used practice, to promote multi cropping system, programmes are to be planned	Paddy followed by black gram/Green gram/Ground nut were promoted through CFLD under NFSM and NMOOP program. Paddy followed by Sesamum/Mustard promoted through OFT during summer seasons. Information was given during bimonthly meetings.	
	Technical assistance is to be given to farmer producer companies on areca nut harvesting and processing.	Under progress	
	Steps to address are to be taken to address the problem of mortality of fingerlings in farm ponds.	Information shared through social media and SMS regarding control of fingerlings mortality, farmers are linked to dept. of fisheries for greater knowledge. Fish management practices extension bulletin will be printed and circulated among farmers	
	Expand the area under PSB-68 paddy variety	Seed production programs are planned under farmers participatory program during Kharif 2020. Discussed with Agriculture department officials for purchase of seeds.	
	Steps are to be taken to disseminate technologies to manage the rhizome rot disease in ginger, among farming community.	FLDs and trainings are conducted.	

Date	Suggestion/Decision	Action to be taken by	Reasons for no actions, if any
	Programme are to be planned for Introducing and expanding suitable fish fingerlings for farm ponds and community lakes.	Amur common carp is already introduced to farm pond during 2020-21 and OFT formulated to assess the suitability of fish varieties to community lakes during 2021-22	
	Publication on progressive farmers of Uttara Kannada district to be released.	Compilation of progressive farmers is under progress. Detailed information of 25 progressive farmers is ready. Two popular articles published. One is on Farm women producing vermicompost as main enterprise. Another one is on Multistoreyed cropping system in house backyard. It is planned to publish 5 articles on progressive farmers.	
	Information and understanding on crop planning and crop composition needs to be provided to farmers.	OFT on Assessment of Sesamum and mustard along with black garm for summer season in paddy fallows.	
	Action to be taken to produce and supply the Bio Fertilizers at KVK.	It is planned start production unit using old KVK building	
	Introduction and demonstration of flood resistant paddy varieties	120 quintals of Hemavati paddy variety has been produced and distributed to farmers during kharif season. Next season production of 150 quintals of Hemavati paddy seed is planned.	
	Scientific study needs to be taken up for suitability of location for introduction of cardamom and vanilla crops in Yellapur region. If suitable, programmes are to be taken up in this regard.	Will be taken up	
	Providing technical literatures relating to the dairy industry to the milk producers' associations for the benefit of the farmers.	Animal health camps conducted in association with KMF societies and dept. of animal husbandry and technical bulletins are provided during the programme, this activity will be expanded to other societies in future	
	Technology videos are to be uploaded on YouTube	KVK youtube channel kvkuks@gmail.com is created and two videos on technologies are uploaded. It is planned to upload videos on biofertilizers application, planting methods in sugarcane, Nipping for sugarcane grown by single eye bud seedlings, Zinc application, Dopog nursery during kharif 2021.	
	Mechanization for arecanut harvesting is to be popularized	proposing FLD on demonstration dual purpose telescopic model of areca harvester	
	Case studies are to be conducted and documented on successful practices followed by farmers.	Under progress Case study reported on Cultivation of biofuel yielding tree species on betta –lands through soil and water conservation techniques for enhancing soil fertility and productivity of the cropping system	
	There are many opportunities to double the income of farmers in the district, programmes are to be planned to promote integrated farming practices.	FLD implemented on Cultivation of <i>Dendrocalamus stocksii</i> (Scheme bamboo) on bunds/boundaries of farm land : A additional source to the farm income	

Date	Suggestion/Decision	Action to be taken by	Reasons for no actions, if any
	Strengthening of dairy activities and demonstration units are to be taken up.	In progress	
	Carrying out income generating activities for the economic development of the tribal people.	SRP under the financial assistance from UASD are being implemented in the district. Also External Projects are proposed to take up various IGA to the tribal population of the district.	
	Introducing and promoting technologies for the efficient utilization of land and natural resources.	FLD implemented on cultivation of Non-Timber Forest Products tree species through soil and water conservation measures	
	Creating an outlet for sale of products produced in KVK	Will be taken up	
	"Green force" for mechanization in paddy is to be formed following the KVK, Mallapuram model	Will be taken up	
	Literatures to be prepared on root grub management in Arecanut	Prepared literature on Arecanut rootgrub and Management	
	Steps to install banana fiber extraction unit at KVK under the KVK Revolving Fund.	Made visit to The Kishkinda trust Banana fiber article making unit at Anegundi. It's all hand made fibre. No unit is required. Visit will be in future to machine made banana fibre extraction unit and suitable measures will be taken to establish at KVK	
	Identify and promote unemployed youth for production of tissue culture banana seedlings, proper training to be given to them to startup the venture.	Under progress	
	Implementation of Program on marine Fisheries in Coastal Talukas	Contacted the Fisheries college, KVK, Mangalore, CMFRI and dept. of Fisheries Ankola as per their guideline programme will be carried out	
	Identify high yielding local cow breeds and introduce them to the farmers.	Introduced the up gradation of local cattle with Gir, sahiwal and buffaloes with murreh and surthi bull semen in association with department of Animal husbandry through NAIP. Promoting the introduction of Gir, Deoni, Tharparkar cows farming through regular extension activities	

4. Details of operational areas proposed during 2021-22

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.)*
Cluster A : Dodnalli, Sirsi Taluka				
Dodnalli	Paddy	Poor soil fertility, blast incidence, leaf folder, stem borer, BPH & ear head bug infestations.	65 ha	FLD, Training Programmes, Official- Scientist-Farmers Interaction, Field Visits, , Method Demonstrations and Field Day
	Black gram	Poor soil fertility, low yield, sucking pests, powdery mildew, moisture stress	20 ha	CFLD, Training Programmes, Method demonstrations, Field day, field visits
	Green gram	Poor soil fertility, low yield, sucking pests, powdery mildew, moisture stress	25 ha	CFLD, Training Programmes, Method demonstrations, Field day, field visits.
	Ground nut	Leaving paddy land fallow, Low income	24 ha	CFLD, Training Programmes, Method demonstrations, Field day, field visits
	Sesamum	Leaving paddy land fallow, Low income	20 ha	CFLD, Training Programmes, Method demonstrations, Field day, field visits
	Mustard	Leaving paddy land fallow, Low income	26 ha	CFLD, Training Programmes, Method demonstrations, Field day, field visits
	Sugarcane	Poor fertility, low yield, poor quality jaggery, Unscientific jaggery processing	15 ha	Training Programmes, Method demonstrations, field visits and Field day,
	Ginger	Low yield due to imbalanced nutrient management and Rhizome rot	45 ha	FLD, Training Programmes, Official- Scientist-Farmers Interaction, Field Visits, , Method Demonstrations and Field Day
	Turmeric	Low income from Arecanut based cropping system	84 ha	FLD, Training Programmes, Official- Scientist-Farmers Interaction, Field Visits, , Method Demonstrations and Field Day
	Poor nutritional status of the rural women and lack of knowledge regarding importance of nutrients of edible bamboo	10 families	EDP: Preparation of bamboo pickles for additional income Trainings, Field visits, demonstration	
Dodnalli : Dodnalli Achanalli	Livestock	<ul style="list-style-type: none"> Repeat breeding, nutritional anestrus 	52 no.	FLD: modified PG protocol for repeat breeding animals, trainings on reproductive and nutritional management, diagnostic visits , infertility camps

Byagadde Javalagundi	Livestock	• Anestrous	37 no.	FLD: management of anestrous in heifers by PRID protocol , trainings on reproductive and nutritional management, diagnostic visits, infertility camps
	Livestock	• Sub clinical and clinical Mastitis	86% and 37% respectively	FLD: preventive strategies for subclinical and clinical mastitis, trainings, campaigns on CMT screening for subclinical mastitis management, group discussions with KMF societies, diagnostic visits, method demonstrations
	Livestock , Fodder	• Fodder scarcity	35% of the population	Community fodder development programme with IGFRI, KMF societies, Trainings on fodder crops
	Livestock	• Peri-parturient diseases, negative energy balance, low SNF and Fat	31% of the population	FLD: FLD: Integrated approach for management of peri-parturient diseases, low SNF and fat in cross bred cows, Trainings, diagnostic visits, group discussion with KMF society, Health camps
	Livestock	• Infectious diseases	44% of the population	Implementation NADCP with Dept. of AH and VS, Health camps, awareness programmes
Dodnalli Achnalli Banavasi	Areca nut	Poor drainage practices Poor nutrient management practices low yield	14.0 ha	FLD, Training, extension activity
	Areca nut	Demonstration of multi use Telescopic model harvester Equipment for areca and coconut	20.0ha	FLD, Training, extension activity
Dodnalli	Bamboo pickles	Poor nutritional status of the rural women and lack of knowledge regarding importance of nutrients of edible bamboo	10 families	EDP: Preparation of bamboo pickles for additional income Trainings, Field visits, demonstration
Cluster B : Haraganahalli, Mundagod Taluka				
Haraganahalli, Kolagi, Virapura	Paddy	Poor soil fertility, blast incidence, leaf folder, stem borer, BPH & ear head bug infestations.	142 ha	FLD, Training Programmes, Official- Scientist-Farmers Interaction, Field Visits, , Method Demonstrations and Field Day
	Maize	Low yield, poor soil fertility , weeds, Fall army worm, leaf Blight	78 ha	Training Programmes and Field Visits
	Black gram	Poor soil fertility, low yield, sucking pests, powdery Mildew, moisture stress	35 ha	FLD, Training Programmes, Method demonstrations, Field day, field visits
	Green gram	Poor soil fertility, low yield, sucking pests, powdery Mildew, moisture stress	25 ha	FLD, Training Programmes, Method demonstrations, Field day, field visits.
	Ground nut	Leaving paddy land fallow, Low income	35 ha	CFLD, Training Programmes, Method demonstrations, Field day, field visits
	Ginger	Low yield due to imbalanced	28 ha	FLD, Training Programmes, Official- Scientist-

		nutrient management and Rhizome rot		Farmers Interaction, Field Visits, , Method Demonstrations and Field Day
	Turmeric	Low income from Arecanut based cropping system	24 ha	FLD, Training Programmes, Official- Scientist-Farmers Interaction, Field Visits, , Method Demonstrations and Field Day
	Sesamum	Leaving paddy land fallow, Low income	35 ha	CFLD, Training Programmes, Method demonstrations, Field day, field visits
	Mustard	Leaving paddy land fallow, Low income	26 ha	CFLD, Training Programmes, Method demonstrations, Field day, field visits
	<i>Bambusa balcooa</i> (Bhima bamboo) <i>Bambusa tulda</i> (Bengal bamboo)	Improper utilization of farm bunds, Low income, Poor soil fertility, soil erosion, Absence of live fence on bunds	30 ha	Training Programmes, Official- Scientist-Farmers Interaction, Field Visits, , Method Demonstrations FLD: Cultivation of commercially important bamboo species on betta lands of Uttara Kannada district
	MAPS	Low income, improper utilization of interspace, soil erosion	50 ha	FLD, Training Programmes, Official- Scientist-Farmers Interaction, Field Visits, , Method Demonstrations FLD : Demonstration on medicinal plant based agroforestry systems in Uttara Kannada district
Malagi	Livestock	<ul style="list-style-type: none"> Repeat breeding, nutritional anestrus 	18% of the population	FLD: modified PG protocol for repeat breeding animals, trainings on reproductive and nutritional management, diagnostic visits , infertility camps
Haraganahalli Dharma colony	Livestock	<ul style="list-style-type: none"> Fodder scarcity 	30% of population	Trainings and Method demonstration on silage making and dry fodder enrichment, method demonstration on TMR preparation
	Livestock	<ul style="list-style-type: none"> Subclinical and clinical Mastitis 	82% and 36% respectively	FLD: preventive strategies for subclinical and clinical mastitis, trainings, campaigns on CMT screening for subclinical management, group discussions with KMF societies, diagnostic visits, method demonstrations
	Livestock	<ul style="list-style-type: none"> Peri-parturient diseases, negative energy balance, low SNF and Fat 	31% of the population	FLD: Integrated approach for management of peri-parturient diseases, low SNF and fat in cross bred cows, Trainings, diagnostic visits, group discussion with KMF society, Health camps with dept. of AH&VS
	Livestock	<ul style="list-style-type: none"> Infectious diseases 	22% of the population	Implementation NADCP with Dept. of AH and VS, Health camps
	Fisheries	<ul style="list-style-type: none"> Mortality of fingerlings in farm pond, Low yield due to stocking of poor quality fish seeds, improper nutrition 	43 % of population affected	FLD: Monoculture of amur common carp in farm ponds, Trainings, method demonstration, group discussions, Field days, field visits

Haraganalli,malagi,	Effective control of Panama wilt by using stem injection method in Banana	Lack of knowledge about improved cultural practices Poor soil fertility Lack of knowledge on improved varieties Incidence of pest and diseases	15.0ha	OFT, Training, extension activity
Cluster C: Tippanageri, Haliyal Taluka				
Tippanageri	Paddy	Poor soil fertility , blast incidence leaf folder, stem borer, BPH & ear head bug infestations, low yield, moisture stress	54	Training Programmes, Official- Scientist-Farmers Interaction, Field Visits, , Method Demonstrations OFT: Assessment of Sabhagidhan paddy variety
	Sugarcane	Weeds problems, poor fertility, water scarcity, low yield	10	Training Programmes, Method demonstrations, Field day, field visits
	Sheme bamboo - Entrepreneurship	Lack of skill for making of bamboo crafts in tribal areas of UK Unemployment,	50 Nos.	EDP : Making of bamboo crafts (<i>Dendrocalamus stocksii</i>)
Sambrani and Kerwad	Livestock	<ul style="list-style-type: none"> Fodder scarcity 	32% of population	Trainings and Method demonstration on silage making and dry fodder enrichment, method demonstration on TMR preparation
		<ul style="list-style-type: none"> Infectious diseases 	41 % of the population	Implementation NADCP with Dept. of AH and VS, Health camps
	Fisheries	<ul style="list-style-type: none"> Mortality of fingerlings in farm pond, Low yield due to stocking of poor quality fish seeds, poor nutrition 	48 % farm ponds affected	FLD: Monoculture of amur common carp in farm ponds, Trainings, method demonstration, group discussions, Field days, field visits
		<ul style="list-style-type: none"> Low yield due to stocking of poor quality fish seeds in community/natural tanks 	72 % of natural tanks affected	FLD: performance of composite fish culture in natural or community tanks, Trainings, method demonstration, group discussions, Field days, field visits
Hulimane ,hansagadde	Assessment of cardamom varieties for yield potential, disease & pest resistance	Lack of knowledge on improved varieties Incidence of pest and diseases Low yield	10.0ha	OFT, Training, extension activity
Tippanageri , Kerwad	Introduction of spine gourd variety Arka Neelanchal for malnad area to enhance the farmer income	Verities cultivated are low yielding and each fruit weighs less than 45 grams Lack knowledge about scientific knowledge Not yet commercially exploited, restricted only for kitchen garden	05.0 ha	FLD, Training, extension activity

Cluster D: Kalabhag, Kumta Taluka				
Kalabhag	Paddy	<ul style="list-style-type: none"> Poor soil fertility Blast incidence Leaf folder, stem borer, BPH & ear head bug infestations. 	60 ha	Training Programmes, Official- Scientist-Farmers Interaction, Field Visits, , Method Demonstrations and Field Day
	Ground nut	<ul style="list-style-type: none"> Leaf miner Low yield 	50 ha	FLD, Training Programmes, Method demonstrations, Field day, field visits.
	Ylang-ylang	Inappropriate use of home garden Lack of knowledge of about ylang-ylang	20 ha	FLD: Popularization of Ylang-ylang in Home gardens (Agro-silvopastoral system) of Uttara Kannada : An additional source to the farm income Workshop: Workshop on promotion of aromatic plants for sustainable livelihood
Kalbhag: Kalbhag Handigona	Poultry	<ul style="list-style-type: none"> low body weight, slow growth rate, low egg production and poor adaptability of backyard birds 	70% of poultry population	Trainings on improved backyard poultry birds, linking with SCP and TSP plans of ICAR-CCARI, Goa projects to coastal talukas
	Fisheries	<ul style="list-style-type: none"> Marine fisheries low production 	Low production	Trainings in collaboration with Fisheries dept. Ankola and CMFRI, Karwar
	Livestock	<ul style="list-style-type: none"> Fodder scarcity 	41% of population	Trainings and Method demonstration on silage making and dry fodder enrichment, method demonstration on TMR preparation
	Fisheries	<ul style="list-style-type: none"> Infectious diseases 	31% of the population	Implementation NADCP with Dept. of AH and VS, Health camps
Khalbhag , Hebbail	ICM in Black pepper	High incidence of foot rot disease, nutrient management ,low yield , slow wilt incidence ,spike shedding.	8.0 ha	FLD, Training, extension activity
Cluster E: Betkuli, Kumta Taluka				
Halakar and Betkuli	Paddy (Karikagga)	Leaving fallow and lack of pure seeds	175 ha	Demonstration cum seed production of Karikagga Paddy , Trainings, Field visits and Field days
Cluster E: Ramanager, Joida Taluka				
Joida	Ramanagara	Mulberry	Lack of knowledge on scientific silkworm rearing and cocoon production	FLD, Field visits, demonstrations

5. Technology assessment during 2021-22

Sl.No.	Crop/enterprise	Prioritized problem	Title of intervention	Technology options	Source of technology	Name of critical input	Qty per trial (q)	Cost per trial (Rs.)	No. of trials	Total cost (Rs.)	Parameters to be studied	Team members
5.1	Paddy	Lack of Red rice varieties	Assessment of Red rice varieties for Uttara Kannada district	TO1: Jyoti	UASD		10 kg	300.0	05	6000.00	Plant height, no. of tillers, yield, Pest and disease incidence and economics, feedback	Sci (Agronomy)
				TO2: Sahyadri Megha	UAHS, Shimoga	Sahyadri Megha	10 kg	300.0				
				TO3: Sahyadri Panchamukhi	UAHS, Shimoga	Sahyadri Panchamukhi	10 kg	300.0				
				TO3: Sahyadri Kempumukhi	UAHS, Shimoga	Sahyadri Kempumukhi	10 Kg	300.00				
5.2	Kumta Onion	Twisting problem (Pathogens involved are <i>Colletotrichum</i> spp, <i>Fusarium</i> and <i>Meloidogyne</i> sp)	Management of Twisting problem in Kumata Onion	Spraying with different combination of pesticides					05 (10 gunta per trial)	11400.00	% disease incidence Bulb yield Economics	Scientist (Agril. Entomolog, Agronomy) Sr. Sc and Head
				Nursery : Seed treatment with <i>Trichoderma harzianum</i> @ 5g/kg and soil application of <i>Paecilomyces lilacinus</i> @ 50g/sq.m	Recommendation from project (UAS Dharwad) and IIHR, Bengaluru	<i>Trichoderma</i> <i>Pseudomonas floescens</i> <i>Paecilomyces lilacinus</i> Neem cake Hexaconazole Multi K (13:0:45) Borax Soil testing	500 g 500 g 1 Kg 40 Kg 250 ml 500 g 500 g 01	100.00 100.00 250.00 1000.00 180.00 100.00 150.00 400.00				

				g/l, Soil application of Neem cake 5 q/ha + FYM (1 ton) enriched with <i>Trichoderma harzianum</i> + <i>Pseudomonas Florescens</i> + <i>Paecilomyces lilacinus</i> each @ 5 kg/ha Spraying with Hexaconazole 0.1 % Multi K 5g/l and Boron 2g/l 30 DAT									
5.3	Banana	Lack of knowledge about improved cultural practices Poor soil fertility Lack of knowledge on improved varieties Incidence of pest and diseases	Effective control of Panama wilt by using stem injection method in Banana	TO-1 Farmer practices TO-2 : Drenching with copper oxychloride @ 3 gm/ liter of water TO3: Stem injection with 3 gm of carbendazim + 3 gm of copper oxychloride + 3 gm of boric acid per liter of water	UHS, UAS B UAS, D	Copper oxy chloride carbendazim Boric acid Injector with can	7.0 kg 500 gm 500 gm 03	6500 500 500 800	03	24900.0	Percent of panama wilt incidence Bunch weight /plant , Yield/Ha , B:C Ratio	Scientist- Horticulture Scientist- Animal science SSH	
5.4	Cardamom	Lack of knowledge on improved varieties	Assessment of cardamom verities for	TO1- Local variety TO2- Appangala 2	UHS , Mudigere	Appangala 2	150	3750	05	37500.0	No. of panicles per clump, No. of capsule	Scientist- Horticulture Scientist-	

		Incidence of pest and diseases Low yield	yield potential, disease & pest resistance	TO3- IISR Avinash	IISR Calicut	IISR Avinash	150	3750				per panicle, Disease incidence (%), Yield (q/ha) Economics	Animal science SSH
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6. Frontline demonstrations during 2021-22

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 (q)	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
6.1	Cereals	Paddy	Soil acidity, Poor fertility	Enhancing soil fertility through green manuring crops	Dhaincha	-	UASD	Soil Testing Diancha/sunhemp	01 10kg	400.00 1200.00	15	24,000.00	Nutrient status before and after, Soil physical and biological parameters, Yield of Paddy	Sci(Agronomy), Sci(Entomology) SS&H, Lab Tech.
		Paddy	Soil acidity, Floods, Blast disease, Stem borer, Leaf folder, BPH, Ear head bug.	Introduction of MGD_03 high yield variety of paddy	PSB-68 and Hemavati	-	UASD	Soil Testing Paddy Seeds (PSB-68 and Hemavati) Azospirillum PSB Carbendazim 80 wp ZnSo4	01 25kg 1.0 kg 1.0 kg 100 g 8 kg	400.00 800.00 100.00 140.00 800.00	15	35100.00	Plant height, no. of tillers, yield, Pest and disease incidence, economics, feedback	Sci(Agronomy), Sci(Entomology) SS&H, Lab Tech.
		Paddy	Leaving land fallow in Gajani land of coastal area of Uttara Kannada and Lack of pure Karikagga	Demonstration cum seed production of Kari Kagga Paddy in Gajani Land of Coastal area	Karikagga Paddy	-	UASD	Paddy Seeds	40 kg	1200.00	25	30000.00	Plant height, no. of tillers, yield, Pest and disease incidence, economics, feedback	Sci(Agronomy), Sci(Entomology) SS&H, Lab Tech.

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 (q)	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
			paddy seeds											
		Maize	Low yield, poor fertility, FAW	ICM in Maize with Special Emphasis on Fall army worm : <ul style="list-style-type: none"> • Use of pre emergent herbicide Atrazine @ 2.5 kg/ha • RDF 150:65:65 kg/ha • ZnSO₄ @ 25 kg/ha and Borax 2.5 kg /ha • Mass trapping of Fall army worm @ 37 traps + 111 lures /ha • Foliar application of <i>Metarrhizium rileyi</i> 2 X 10⁸ cfu/g @ 2 g/l • Clorantraniliprole 18.5 % SC @ 0.2 ml/l • Leaf blight management by Hexaconazole @ 1 ml/l 	-	Private, NK 6240	UASD	ZnSO ₄ FAW lures and traps <i>Metarrhizium rileyi</i> 2 X 10 ⁸ spores/l @ 2 g per l Clorantraniliprole 18.5 % SC	8 kg 15 traps + 45 lures 500 g 30 ml	500.00 750.00 150.00 580.00	20	39600.00	No of FAW moths trapped, % control of FAW, grain yield, economics	Scientist (Agril. Entomology, Agronomy) Sr. Sc and Head

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 (q)	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
6.2	Millets													
6.3	Oilseeds	Sesamum	Leaving paddy fallow and low income	ICM in Sesamum	DS-5	-	UASD	Seeds <i>Trichoderma</i> @ 4 g per kg seeds Quinalphos 25 EC @ 2 ml/l Carbendazim 80 wp Soil Testing	2.5 kg 10 g 500 ml 250 g 01	500.00 10.00 300.00 350.00 400.00	13	39000.00	Plant heightNo. of branches/plant No.of capsules/plant Insect pest & disease incidence Yield & Economics Feed back	Scientist (Agronomy, Agril. Entomology,) Sr. Sc and Head, Lab .Tech
6.4	Pulses													
6.5	Commercial crops	Cashew	Low yield, Tea Mosquito Bug (TMB) , Thrips, Dieback	IPDM in Cashew : • Foliar spray of Lambda cyhalothrin (0.6 ml/l), Thiamethaxam (0.2 g/l) and Acetamiprid (0.5 g/l) in rotation during flushing, flowering and fruiting (need based) for TMB • Bordo spray 1 % or Copper Oxy Chloride 50 WP for	V-7	-	DCR, Puttur	Copper Oxy Chloride 50 WP Lambda cyhalothrin 5 EC Thiamethaxam 25 WG Acetamiprid 20 SP	500 g 250 ml 100 g 100 g	350.00 195.00 250.00 150.00	10	9450.00	% incidence of TMB , % Shrivelled nuts, Yield , Economics	Scientist (Agril. Entomology, Agronomy) Sr. Sc and Head

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 (q)	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
				dieback and Anthracnose										
6.6	Horticultural crops	Areca nut	Poor drainage practices Poor nutrient management practices low yield	ICM in areca nut <ul style="list-style-type: none"> • Providing proper drainage • Soil test based nutrient management • application of green manure at 12kg/palm • Mulching basin with paddy husk • Foliar spray of Zn (ZnSO4 @ 1.0%) at quarterly interval • Foliar spray of boron at quarterly interval • Microbial consortia application 	--	--	CPCRI	ZnSO ₄	3.0 kg	500	10	23000.0	Incidence of slow dyeing (%) yield (q) B:C ratio	Scientist-Horticulture Scientist-Animal science SSH
		Spine gourd	Verities cultivated are low yielding Lack knowledge about scientific knowledge Not yet commercially exploited,	Introduction of spine gourd variety Arka Neelanchal for malnad area to enhance the farmer income	Arka Neelanchal	--	CHES, Chettahalli	Arka Neelanchal Seedlings	100	5000	05	29300.00	yield q/ha B:C ratio	Scientist-Horticulture Scientist-Animal science SSH
								Fruit fly trap	03	180				
								AMC	2.0 kg	360				
								Vegetable special	2.0 kg	320				

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 (q)	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
			restricted only for kitchen garden											
		Areca nut	Labor scarcity during peak harvesting period, risk of harvesting	Demonstration of multi use Telescopic model harvester Equipment for areca and coconut	Telescopic model harvester	--	Private firm	--	--	--	--	--		Scientist-Horticulture Scientist-Animal science SSH
		Black pepper	Low yield, Footrot disease,	ICM in Blackpepper <ul style="list-style-type: none"> Use of black pepper grafts – using piper colubrinum as root stock –resistant to foot rot disease – source -IISR, Calicut Drenching of Arka microbial consortia and Arka Action plus 25 g per liter (3 liter per vine) – source- IIHR Bengaluru Spraying of pepper special 5gm/liter during pre and post flowering- source -IISR, 	--	--	IIHR	Pepper special Arka microbial consortium Arka action plus Metalaxyl	2.0 kg 5.0 kg 5.0 kg 1.0 kg	340 900 900 2000	05 05 05 05	20700.00	Intensity of foot rot and slow wilt disease, Yield (t/ha), B:C ratio.	Scientist-Horticulture Scientist-Animal science SSH

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 (q)	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
				Calicut • Foliar application of Metalaxyl										
		Black pepper	Foot rot disease	Footrot management in Black pepper • Removal and destruction of dead vines • Improvement of drainage in ill drained gardens • <i>Trichoderma viride</i> enriched neem cake application • Drenching and spraying with Metalaxyl (0.125 %)	Panniyur-1	-	UHSB	<i>Trichoderma viride</i> Neem cake Metalaxyl	6 kg 125 kg 1 kg	540.0 1400.0 1800.0	05	18700.00	Percent yellowing and leaf infection, collar infection, wilted vines and yellowing (%), Yield (q/ha), B:C ratio	Team Members Involved: SS&H, Scientist (Horticulture, Entomology)
		Ginger	Low yield, rhizome rot disease,	ICM in Ginger • Soil test based nutrient management • Application of Green leaf Manure & neem cake • Application of <i>Trichoderma</i> , <i>Pseudomonas</i> , <i>Paecilomyces</i>	--	---	IIHR &UHS-B	Neem cake <i>Trichoderma</i> <i>Pseudomonas</i> <i>Paecilomyces</i> PSB Azotobacter VAM Ginger special Bleaching powder Metalaxyl	12 Kg 3.0 Kg 3.0 kg 3.0 kg 3.0 kg 3.0 kg 1.0 kg 1.0kg	300 420 450 600 450 450 500 200	05	29100.00	Incidence of rhizome rot Yield, Economics	scientist – Horticulture Plant Protection SSH

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 (q)	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members	
				<ul style="list-style-type: none"> • s enriched in FYM • Bio fertilizers - Azotobacter, PSB and VAM enriched in FYM • Seed treatment with 2 gm bleaching powder +1 gm Metalaxyl mz+1gm Streptocycline • Ginger special spray @ 5 g/l • Drenching with Bleaching powder (3 g) 33% + Metalaxyl Mz (2 g) 											
		Turmeric	<p>Non adoption of turmeric crop as</p> <p>intercrop in Arecanut garden and leads to lower income</p>	<p>Turmeric as subsidiary crop for generating income in Areca nut based cropping system</p> <ul style="list-style-type: none"> • Introduction of IISR Prathiba • Application of Trichoderma 	IISR-Prathiba	-	UASD	<p>Turmeric</p> <p>Seed material</p> <p>Trichoderma</p> <p>Pseudomonas</p> <p>Azospirillum</p> <p>PSB</p> <p>VAM</p>	<p>50 kg</p> <p>2.5 kg</p> <p>2.5 kg</p> <p>1 kg</p> <p>1 kg</p> <p>1 kg</p>	<p>1500.00</p> <p>350.00</p> <p>400.00</p> <p>100.00</p> <p>100.00</p> <p>100.00</p>	20	51000.00	<p>Plant height</p> <p>No. of Fingers</p> <p>/Rhizome</p> <p>Insect pest & disease incidence</p> <p>Rhizome weight/plant.</p> <p>Yield and Economics</p> <p>Feed back</p>	<p>Scientist Agronomy), SS&H, Scientist (Horticulture, Entomology)</p>	

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 (q)	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
				and Pseudomonas •Application of Biofertilizers •Application Neem cake @ 5 q/acre										
		Arecanut	Red palm weevil, death of young palms aged between 7 to 10 years	Integrated management of red palm weevil in Arecanut : • Periodical crown cleaning, Avoidance of physical injury • Prophylactic leaf axil management of rhinoceros beetle • Curative measures : Spot application of Imidacloprid 17.8 SL @ 1 ml/l or Spinosad 45 SC @ 4 ml/l • Installation of pheromone traps developed by NBAIR @ 1 per ac	Local	-	CPCRI, Kasargod, NBAIR, Bengaluru	Imidacloprid 17.8 SL Spinosad 45 SC RPW lures (NBAIR) and bucket trap will be prepared using local materials	500 ml 250 ml -	200.00 1000.00 -	05	6000.00	% recovery, new frond emergence , no of weevils trapped, any new infestation	Scientist (Agril. Entomology, Agronomy) Sr. Sc and Head
		Water melon	Low yield, Mal formed	ICM in Watermelon :	-	Private –	UHS Bagalkot and IIHR,	Bee colony with <i>Apis</i>	01	4000.00	05	36250.00	Yield (crop and	Scientist (Agril.

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 (q)	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
			fruits, poor pollination, sucking insects, bud necrosis	<ul style="list-style-type: none"> • Installation of Bee colony @ 1 per acre • Pinching technique • Foliar spray of nutrients Arka Vegetable special 5g/l, • Fipronil 1ml/l against sucking insects • Metalaxyl + Mancozeb 2g/l against Fusarium wilt 		Nama dhari NS295	Bengaluru	<i>cerana</i> colony Arka Vegetable special Fipronil Metalaxyl + Mancozeb Yellow and Blue sticky traps	2 Kg 500 ml 500 g 20 +20	400.00 700.00 800.00 1350.00			honey) and Economics Mal formed fruits % Wilting %	Entomology, Agronomy, Horticulture) Sr. Sc and Head
6.7	Livestock	Dairy	Repeat breeding	Demonstration of modified PG protocol in repeat breeding animals	--	--	KVAFSU-Bidar	Fenbendazole multivitamin mineral mix, cloprostenol, Buserelin	3 g 1.2 kg 4ml 5ml	1250	10	12500	Duration of heat Conception rate Economics	Scientist Vet. Science, Horticulture, SS&H,
		Dairy	Subclinical and clinical Mastitis	Demonstration on Preventive strategies for subclinical and clinical mastitis : Tri-sodium citrate, multivitamin and mineral mix, Natural antioxidants and antibiotics, lactifense teat dip	--	--	IVRI, Izatnagar	Tri-sodium citrate formulations, Lactifense teat dip and cup	800 g 1set	2000	20	40000	Incidence of subclinical and clinical mastitis, milk yield, milk SNF and fat, economics	Scientist Vet. Science, Horticulture,

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 (q)	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
		Dairy	Peri-parturient diseases, negative energy balance	Treatment approach for management of peri-parturient diseases, low SNF, Fat in cross bred cows: Energy precursors, metabolic intermediates, probiotics, Rumen PH regulators, Udder PH modifier, Bypass fat	--	--	KVAFSU-Bidar	Pecutrin, probiotic, multivitamin mineral mix, Bypass fat, Tri-sodium citrate	2 kg 0.5 kg 5kg 1kg 250 g	2060	10	20600	Serum calcium , phosphorus, glucose, SNF, fat, milk yield, metabolic disease incidence, economics	Scientist Vet. Science, Horticulture,
		Dairy	Anestrus in heifers	Management of anestrus in heifers by PRID protocol : PRID protocol with macro and micronutrient supplements, Deworming	--	--	GADVASU, Ludhiana	Bypass fat Bypass protein Busereline Progesterone implant Cloprostenol	1kg 1kg 10ml 1 unit 1	3075	10	30750	Blood parameter , no. of animals coming to heat, conception rate, economics	Scientist Vet. Science, Horticulture, SS&H
6.8	Fisheries	Fish	Low quality seeds and yield	Monoculture of Amur Common Carp in Farm Ponds : Improved common carp and floating pellet feed	Amur carp	--	KVAFSU-Bidar	Amur carp, floating pellet feed	750 80 kg	8500	3	25500	Growth, Yield and economics	Scientist Vet. Science, Horticulture, SS&H
		Fish	Low yield, high mortality and low	Performance of fish culture in natural or community	Grass carp, amur carp, catla	--	KVAFSU-Bidar	Grass carp, Amur carp, catla and floating pellet	5000 120 kg	22225	2	44450	Growth, Yield and economics	Scientist Vet. Science, Horticulture, SS&H

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 (q)	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
			quality seeds	tanks: Catla: Grass carp: amur carp				feed						
6.9	Others													
	Agroforestry	Ylang-ylang (<i>Cananga odorata</i>)	Lack of knowledge w. r. t. Ylang-ylang	Demonstration Ylang-Ylang based three tier agroforestry system	-	-	KAU, Thrissur UAS, B	Ylang-ylang (<i>Cananga odorata</i>) Seedlings	30 nos	1500.0	03	4500.0	Survival percent No. of culms Flower Yield (kg/tree) Oil content (%) Economics	Sci (Agrof) TO (Agfor)
	Agroforestry	Bamboo	Low income Soil erosion Absence live fence	Cultivation of commercially important bamboo species on betta lands of Uttara Kannada district	Commercially important bamboo sp.	<i>D. brandisii</i> <i>D. stocksii</i> <i>D. asper</i> <i>Bambusa tulda</i>	KAU, Thrissur	<i>D.brandisii</i> <i>D. stocksii</i> <i>D.asper</i> <i>Bambusa tulda</i>	25 25 25 25	5000.0	05	25000.0	% survival No. of culms Culm ht & diameter Yield Economics	Sci (Agrof) TO (Agfor)
	Agroforestry	Medicinal and aromatic plants	Low yield Improper utilization of interspace in fruit orchards Soil erosion	Demonstration on medicinal plant based agroforestry systems in Uttara Kannada district (Continuing)	Medicinal and aromatic plants seedlings	-	KAU, Thrisur	<i>Asparagus racemosus</i> (<i>Shatavari</i>)	30 No	600.00	05	3000.00	% Survival, Plant height & plant biomass Yield kg/ha Economics	Sci (Agrof) TO (Agfor)
	Agroforestry	Scheme bamboo	Improper utilization of farm	Cultivation of <i>Dendrocalamus stocksii</i>	<i>Dendrocalamus stocksii</i>	-	UAS, Dharwad	<i>Dendrocalamus stocksii</i>					% Survival, No. of culms,	Sci (Agrof) TO (Agfor)

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 (q)	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
			bunds, Low income, Poor soil fertility, soil erosion	(Scheme bamboo) on bunds and boundaries of farm land : A additional source to the farm income (Continuing)					25 No	1500.00	05	7500.00	Culm girth and length, Yield , Economics	
	Agroforestry	Ginger	Improper low income , improper utilization of interspace, Low soil fertility status, Low yield, Soil erosion	Demonstration on Ginger based Silvi-horti system	Ginger	Himachal	KAU, thrissur	Ginger rhizomes	0.25 quintal	4785.00	05	23925.0	Yield/ha, RGYI, LTR, Economics , Farmers Feed back	Scientist Agrofor, Agron. Hort), & TO (Afor)
	Sericulture	Mulberry	Lack of knowledge of Mulberry cultivation and low income	Popularization of mulberry (V1 variety) cultivation in Uttar Kannada District	-	-	CSRTI, Mysore	Seedlings	100	2000.0	5	10000.0	Survival percentage and Yield(kg/ha), Economics	TO (sericulture), SS&H , SCI (Agronomy)

7. Training for farmers/ farm women during 2021-22

Sl.No.	Thematic area and the crop/enterprise	Crop / Enterprise	Related field intervention (OFT/FLD)	Training title	No. of courses	Expected No. of participants	Names of the team members involved
7.1	Crop production						
	Nutrient Management	Paddy	FLD	INM in Paddy	10	300	Scientist(Agronomy)
	Problematic soils and their management	Paddy and Maize	FLD	Reclamation of soil acidity and water logging	5	150	Scientist(Agronomy)& TO(Lab)

	Nutrient management in Maize	Maize	FLD	INM in Maize	5	150	Scientist(Agronomy)
	Integrated crop management	Ground nut	FLD	ICM in Ground nut	4	120	Scientist(Agronomy)& TO(Lab)
	Integrated crop management	Black gram and Green gram	FLD	ICM in Black gram and Green gram	4	120	Scientist(Agronomy) Scientist(Plant protection) SS& H
	Integrated crop management	Sesamum	FLD	Integrated Crop management in Sesamum	2	60	Scientist(Agronomy) Scientist(Plant protection) SS& H
	Integrated crop management	Mustard	FLD	Integrated Crop management in Sesamum	2	60	Scientist(Agronomy) Scientist(Plant protection) SS& H
	Integrated Nutrient Management	Sugarcane	-	INM in Sugarcane	2	60	Scientist(Agronomy) Scientist(Plant protection) SS& H
	Integrated weed management	Sugarcane	-	IWM in Sugaracne	2	60	Scientist(Agronomy)
	Post-harvest Technology	Sugarcane	-	Scientific Organic Jaggery Processing technologies	2	60	Scientist(Agronomy)
	Integrated crop management	Turmeric	-	Advanced production technologies in Turmeric	5	150	Scientist(Agronomy)
7.2	Horticulture production						
	Horticulture	Seedling production in plantation crops	--	Method of seedling production in plantation and vegetable crops	02	60	Sci. Hort. Sci. Vet SS&H
	Horticulture	Banana	OFT	Effective control of Panama wilt by using stem injection method in Banana	03	75	Sci. Hort. Sci. Vet SS&H
	Horticulture	Cardamom	OFT	Assessment of cardamom varieties for yield potential, disease & pest resistance	02	50	Sci. Hort. Sci. Vet SS&H
	Horticulture	vegetable	FLD	ICM in Vegetable	04	120	Sci. Hort. Sci. Vet SS&H
	Horticulture	Areca nut	FLD	Demonstration of multi use Telescopic model harvester Equipment for areca and coconut	05	100	Sci. Hort. Sci. Vet SS&H
	Horticulture	Black pepper	FLD	ICM in Black pepper	04	80	Sci. Hort. Sci. Vet SS&H
	Horticulture	Areca nut	FLD	Integrated approach to mitigate slow dyeing In areca nut palms	04	100	Sci. Hort. Sci. Vet SS&H
	Horticulture	Flower	--	ICM in flower crops	02	60	Sci. Hort. Sci. Vet SS&H
	Horticulture	ornamental	--	Method of propagation and cultivation followed in	02	60	Sci. Hort. Sci. Vet SS&H

				ornamental plants indoor plants and Bonsai making			
7.3	Livestock production	Livestock	FLD	Management of repeat breeding and reproduction related problems	4	120	Sci.Vet, Hort. SS&H
		Livestock	FLD	Tips for control and prevention of mastitis and clean milk production	3	110	Sci.vet, Hort.
		Livestock	--	Nutrition management of Dairy animals	2	80	Sci.vet, Hort.,
		Livestock	--	Improved variety fodder crop cultivation practices	3	90	Sci.vet, Hort.,
		Livestock	FLD	Prevention and control of perinatal metabolic and infectious diseases	4	140	Sci.Vet, Hort. SS&H
		Livestock	-	New technologies in fodder preservation and dry fodder enrichment	2	70	Sci.vet, Hort. SS&H
		Livestock	--	Care and management of new born calves, kids, lambs	2	70	Sci.vet, Hort
		Poultry	--	Management of backyard poultry and feeding	2	60	Sci.vet, Hort, SS&H
		Poultry	--	Management of disease and pest menace in backyard poultry	2	60	Sci.Vet, Hort.
7.4	Home Science						
7.5	Plant protection						
		Paddy	FLD	Identification of damage symptoms of insects and diseases of paddy and their management	01	25	Scientist (Agril. Entomology, Agronomy) Sr. Sc and Head
		Paddy	FLD	Role of bio control agents in insect pest management	01	15	Scientist (Agril. Entomology, Agronomy)
		Maize	FLD	Eco friendly management of invasive insect pest FAW	01	20	Scientist (Agril. Entomology, Agronomy), Sr. Sc and Head
		Kumta onion	OFT	Cause and Management of Twisting problem	02	15	Scientist (Agril. Entomology, Agronomy)
		Kumta onion	OFT	Role of bioagents in management of diseases	01	10	Scientist (Agril. Entomology, Horticulture), Sr. Sc and Head

		Arecanut	FLD	Identification and management of arecanut insect pests	01	15	Scientist (Agril. Entomology, Agronomy)
		Groundnut	FLD	Identification of damage symptoms of insects and diseases of groundnut and their management	03	45	Scientist (Agril. Entomology, Agronomy)
		Arecanut	FLD	Identification and management of arecanut diseases	01	15	Scientist (Agril. Entomology, Agronomy)
		Watermelon	FLD	Yield enhancement techniques in watermelon	01	10	Scientist (Agril. Entomology, Horticulture)
		Watermelon	FLD	Management of sucking insects, stem blight, downy mildew, necrosis virus in watermelon	01	12	Scientist (Agril. Entomology), Sr. Sc and Head
		Cashew	FLD	Plant protection measures in cashew	01	15	Scientist (Agril. Entomology, Agronomy)
		Paddy, groundnut, pulses	FLD	Importance of Seed treatment	03	45	Scientist (Agril. Entomology, Agronomy)
7.6	Production of inputs at site						
7.7	Soil health and fertility	Soil	-	Importance of soil test and soil sampling procedure	04	160	TO (Agroforestry) Scientist (Agronomy)
7.8	PHT and value addition	fruits and plantation crops	--	post harvest management practices followed under fruits and plantation crops	03	75	Sci. Hort. Sci.Vet SS&H
		fruits ,plantation and spice crops		value addition to fruits, plantation and spice crops	02	50	Sci. Hort. Sci.Vet SS&H
7.9	Capacity building/ group dynamics						
7.10	Farm mechanization	Areca nut	--	Demonstration of multi use Telescopic model harvester Equipment for areca and coconut	03	60	Sci. Hort. Sci.Vet SS&H

7.11	Fisheries production technologies	Inland fisheries	FLD	Scientific fish farming in farm ponds	2	60	Scientist Vet. Science, Horticulture, SS&H
			FLD	Fish farming practices in community/natural tanks	2	60	Scientist Vet. Science, Horticulture, SS&H
7.12	Mushroom production	Mushroom	--	cultivation practices ,value addition and marketing strategies followed under mushroom	05	100	Sci. Hort. Sci.Vet SS&H
7.13	Agro forestry						
	Agro forestry	Ylang-Ylang	FLD	Importance of Ylang –Ylang in Home gardens of Uttara Kannada dist	02	30	Scientist (Agroforestry) & TO (Agrf)
	Agro forestry	Sheme bamboo	FLD	Macro propagation techniques in commercially important bamboo species	02	30	Scientist (Agroforestry) & TO (Agrf)
	Agro forestry	Medicinal plants	FLD	Medicinal plant based agroforestry systems	01	30	Scientist (Agroforestry) & TO (Agrf)
	Agro forestry	Bamboo	EDP	Demonstration on preparation of bamboo pickles	03	75	Scientist (Agroforestry) & TO (Agrf)
7.14	Bee keeping						
		Bee keeping	FLD	Role of bees in pollination services	1	10	Scientist (Agril. Entomology, Agronomy)
7.15	Sericulture						
7.16	Others, pl. specify						

8. Training for rural youth during 2021-22

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						
	Integrated farming System	IFS	EDP and Skill	Enhancement of income	2	50	Scientist (Agronomy) and

			development	through IFS			all
8.2	Horticulture production	Plantation crop nursery	Skill development	Nursery entrepreneurship training	04	80	Sci. Hort. Sci.Vet SS&H
8.3	Livestock production	Goatery	Skill development	Goatery entrepreneurship training	3	80	Scientist Vet, Hort. SS&H
		Poultry	Skill development	Backyard poultry entrepreneurship training	2	70	Scientist Vet, Hort. SS&H
8.4	Home Science						
8.5	Plant protection						
8.6	Production of inputs at site						
	Composting	Composting	Skill development	Different types of Composting and preparation methods	1	30	Scientist (Agronomy) Scientist (Plant protection)
	Organic farming	Organic manures	Skill development	Production of Liquid Organic Manures	2	50	Scientist (Agronomy) Scientist (Plant protection)
8.7	Soil health and fertility						
8.8	PHT and value addition						
8.9	Capacity building/ group dynamics						
8.10	Farm mechanization						
	Green Task Force	Mechanization	Skill development	Paddy Green Task Force	1	25	Scientist(Agronomy)
8.11	Fisheries production technologies	Fisheries	Skill development	Ornamental fish	1	20	Scientist Vet, Hort. SS&H,
8.12	Mushroom production	Mushroom	Skill development	cultivation practices ,value addition and marketing strategies followed under mushroom	05	100	Sci. Hort. Sci.Vet SS&H

8.13	Agro forestry						
	Agro forestry	Scheme bamboo	Skill development	Making of bamboo crafts	02	20	Scientist (Agrofor), TO (Agrofor)
	Agro forestry	Scheme bamboo	Skill development	EDP on Macro propagation techniques in Scheme bamboo	02	50	Scientist (Agrofor), TO (Agrofor)
8.14	Bee keeping	Bee keeping	Plant protection	Bee hive management techniques	01	20	Scientist (Agril Entomology, Agronomy) Sr. Sc and Head
8.15	Sericulture						
8.16	Others, pl. specify						

9. Training for extension personnel during 2021-22

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				
	Integrated crop management	Planting method of Sugarcane cultivation	1	25	Scientist (Agronomy), Scientist (Plant Protection) and SS&H
		Nutrient management in Sugarcane	2	60	Scientist (Agronomy)
		Integrated weed management in Sugarcane	2	60	Scientist (Agronomy)
	Cropping system	Suitable cropping planning and cropping system for Uttara Kannada district	2	50	Scientist (Agronomy), Scientist (Plant Protection) and SS&H
9.2	Home Science				
9.3	Capacity building and group dynamics				
9.4	Horticulture	Importance of terrace and kitchen gardening	04	90	woman and child development department and primary and high school teachers
9.5	Livestock production and management	Principles and techniques of post mortem, sampling in disease diagnosis	1	40	Scientist Vet, Hort, KMF DM
		Diagnosis and treatment of metabolic and infectious diseases	1	40	Scientist Vet, Hort, KMF DM

		Administrative skills for KMF management board members	1	40	Scientist Vet, Hort, KMF DM
9.6	Plant protection	Awareness on new invasive insect pests and management options	01	35	Sr. Sc and Head ,Scientist (Agril. Entomology, Agronomy)
9.7	Farm mechanization				
	Farm Mechanization	Mechanized transplanting techniques in Paddy	1	30	Scientist (Agronomy), & SS&H
9.8	PHT and value addition				
9.9	Production of inputs at site				
9.10	Sericulture				
9.11	Fisheries				
9.12	Other, pl. specify				
	Natural resource management	Soil and Water conservation practices	1	30	Scientist (Agronomy) and all
	Agro forestry	Cultivation of fodder trees on betta lands of Uttara Kannada district	02	30	Scientist (Agro) , Scientist (Agronomy) and TO (agrof)

10. Vocational trainings during 2021-22

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						
10.2	Home Science						
10.3	Capacity building and group Dynamics						
10.4	Horticulture	Propagation techniques followed	01	03	60	--	Scientist, Hort.

		under horticulture crops					And Scientist Vet,
10.5	Livestock production and management	Profitable and sustainable dairy farming	1	4	40	KMF	Scientist Vet, Hort.
		Management and control of mastitis, clean milk production,	1	4	40	KMF	Scientist Vet, SS&H
10.6	Plant protection						
10.7	Farm mechanization	Areca nut and Coconut climbing techniques	01	02	50	--	Scientist, Hort. And Scientist Vet,
	Mechanization	Paddy Green task force	1	10 days	25	NABARD	Scientist (Agronomy) Scientist (Plant protection) SS & H
10.8	PHT and value addition	value addition to fruits ,spice and plantation crops	01	03	60	--	Scientist, Hort. And Scientist Vet,
10.9	Production of inputs at site						
	Organic Farming	Preparation of Different organic products	1	10 days	25	NABARD Karwar	Scientist (Agronomy) Scientist (Plant protection)
10.10	Sericulture						
10.11	Fisheries	Marine fisheries	1	6	30	Dept. of Fisheries & CMFRI	Scientist, Vet, Hort. SS&H
10.12	Other, pl. specify						
	Agro forestry	Grafting techniques in wild edible fruit trees of Uttara Kannada	01	10	25	-	Scientist (Agroforestry) & TO (Agrf

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11.Sponsored trainings during 2021-22

Sl.No.	Thematic area and the crop/ enterprise	Training title	No. of programmes	Duration (days)	Expected number of participants	Sponsoring agency	Names of the team members involved
11.1	Crop production						
		Organic Farming	5	1	150	Kadamba Organics and Marketing trust	Scientist (Agronomy)
11.2	Home Science						
11.3	Capacity building and group Dynamics						
11.4	Horticulture						
11.5	Livestock production and management	Economic sustainability through improved backyard poultry farming	2	4	80	NABARD	Scientist Vet, Hort.
11.6	Plant protection						
11.7	Farm mechanization						
11.8	PHT and value addition						
11.9	Production of inputs at site						

11.10	Sericulture						
11.11	Fisheries						
11.12	Others, pl. specify						
	Rain Water Harvesting and Waste Management	Rain Water Harvesting and waste management	6	1	200	Kadamba Organics and Marketing trust	Scientist (Agronomy)
	Bee keeping	Beekeeping	01	6	20	MANAGE, Hyderabad	Scientist (Agril. Entomology, Agronomy), Sr. Sc and Head

12. Extension activities during 2021-22

Sl. No.	Extension activity	No. of activities	Targeted number of participants	Names of the team members involved
12.1	Advisory services	500	500	All staff
12.2	Diagnostic visits	300	400	All staff
12.3	Field days	10	500	All staff
12.4	Group discussions	15	240	All staff
12.5	Kisan gosthies	2	200	All staff
12.6	Film shows	6	300	All staff
12.7	Self -Help Groups (SHGs) meetings	2	100	All staff
12.8	Kisan Melas	2	2000	All staff
12.9	Exhibitions	10	150000	All staff
12.10	Scientists' visit to farmers fields	300	500	All staff
12.11	Plant/soil health/animal health camps	2	300	All staff
12.12	Farm science club meetings	0	0	All staff
12.13	Ex-trainees sammelans (Meetings)	2	0	All staff
12.14	Farmers' seminars/workshops	6	500	All staff
12.15	Method demonstrations	30	300	All staff

12.16	Celebration of important days	8	250	All staff
12.17	Special day celebrations	10	400	All staff
12.18	Exposure visits	6	200	All staff
12.19	Technology week celebration	1	500	All staff
12.20	Farmers Field School (FFS)	1	30	All staff
12.21	Farm innovators meet	0	0	All staff
12.22	Awareness programmes	10	500	All staff
12.23	Pre-kharif campaign	1	100	All staff
12.24	Pre-rabi/summer campaign	1	100	All staff
12.25	Others, pl. specify	0	0	All staff

13. Activities proposed as knowledge and resource centre during 2021-22

13.1 Technological knowledge

Sl. No.	Category	Details of technologies	Area (ha)	Number	Names of the team members involved
13.1.1	Technology park/ crop cafeteria	Varietal/Hybrids demonstrations Mechanized transplanting techniques Organic farming Ginger Turmeric	2.0	10	Scientist (Agronomy) Farm Manager SS& H
13.1.2	Demonstration units	Vermicomposting	100 m ²	1	Scientist (Agronomy) Farm Manager SS& H
		Azolla	25 m ²	4	Scientist (Agronomy) Farm Manager SS& H
		Dairy, Fodder cafeteria, Backyard poultry, Goatery,	-	1 each	Scientist Vet, Hort. SS&H, Farm manager,

		Rabbit unit, fisheries			
		Nursery units, terrace and kitchen garden	0.20ha	1 each unit	Scientist Hort ,Vet, Farm Manager
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 2021-22 (q)	Number planned to be produced during 2021-22	Names of the team members involved
13.2.1	Seeds	KVK Instructional Farm	Paddy Abhilash(C)	133 q		Farm Mgr, Scientist Agr and SS&H
		Farmers	PSB-68 Paddy seeds	50 q		Scientist (Agronomy) SS& H
		Farmers	Hemavati Paddy seeds	150 q		Scientist (Agronomy) SS& H
		Farmers	Groundnut-G 2-52	50 q		Scientist (Agronomy) SS& H
		Farmers	Groundnut-Dh-256	20 q		Scientist (Agronomy) SS& H
		Farmers	Blackgram,- DU-1	10 q		Scientist (Agronomy) SS& H
		Farmers	Greengram-DGGV-2	10 q		Scientist (Agronomy) SS& H
13.2.2	Planting material					
	Sugarcane Single eye bud seedlings	Farm	Konanakunte Co-86032 SNK-635	-	20000	Scientist (Agronomy) SS& H
			Areca nut		9000	Scientist Hort, Vet... Farm manager, SS&H
			Black pepper		10000	Scientist Hort, Vet... Farm manager, SS&H
			cardamom		3000	Scientist Hort, Vet... Farm manager, SS&H
			coffee		4000	Scientist Hort, Vet...

						Farm manager, SS&H
			vanilla		500	Scientist Hort, Vet... Farm manager, SS&H
			Drumstick		500	Scientist Hort, Vet... Farm manager, SS&H
			nut mug		2000	Scientist Hort, Vet... Farm manager, SS&H
			cinnamon		1000	Scientist Hort, Vet... Farm manager, SS&H
13.2.3	Bio-products	-	IBA	10 kg	-	TO (Agroforestry) Scientist (Agronomy)
13.2.4	Livestock strains					
	Shirohi Goats	-	Kids	10	10	Scientist Vet. Hort. Farm manager, SS&H
	Poultry chicks (Kaveri/ Gramapriya)	-	Chicks	1000	1000	Scientist Vet. Hort. Farm manager, SS&H
13.2.5	Fish fingerlings					
13.2.6	Any other, pl specify					
	Beekeeping	-	Honey		15 Kg	Scientist (Agril. Entomology, Agronomy), Sr. Sc and Head
		--	Apis cerana bee colony		5	

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	35	Scientist (Agril. Entomology)
	b. Horticulture	Lectures	Scientist Hort, Vet
	c. Animal Husbandry		
	d. Fisheries	Lectures	Scientist Vet, Hort.
	e. Agricultural Engineering		
	f. Sericulture		
	g. Others, pl. specify		
13.3.2	Literature/publication	Research papers, Leaflets, popular articles	All Scientists
13.3.3	Electronic media	Radio talks, videos clips	All Scientiststs

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 2021-22

Sl.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
1	ICAR, New Delhi	ARYA project	Goatery entrepreneurship development	2200000	Scientist Veterinary, Hort. Home Sci.
2	NABARD	FSPF	Economic sustainability of rural youth and farmers through backyard poultry enriched products	198000	Scientist Veterinary, Hort.
3	ATMA	Short term project	Assessing the treatment strategies for prevention and control of mastitis and mammilitis	250000	Scientist Veterinary Science
4	ICAR, New Delhi	ARYA project	plantation crop nursery entrepreneurship	2011064	Scientist Hort ,Veterinary
5	Testing Chemical Project funded by Willowood Chemicals Pvt. Ltd. Gujarat.	Research	Evaluation of Clomozone weedicide in paddy crop	2020-21 and 2021-22	Scientist (Agronomy,
6	ATMA	Short term research	AGRONOMIC INVESTIGATIONS FOR PRODUCTION OF PALMAROSA	3.0 Lakh	Scientist (Agronomy,
7	Testing Chemical Project funded by different firms	Research	Evaluation of test chemicals against insect pests of Paddy	-	Dr. Roopa S. Patil
8	KVK Sirsi as Voluntary /cooperating center for ICAR funded Network project on Conservation of Lac genetic resources with IINRG Ranchi as Lead Center	Research	Survey for identification of local lac insect genetic resources in North Karnataka Area, Maintenance of genetic resources, developing suitable lac culture technologies	Not yet finalized, First installment Rs 1.00 Lakh released	Dr. Roopa S. Patil

15. Revolving fund

15.1 Financial status of revolving fund

Opening balance as on 01.04.2020 (Rs.in Lakh)	Expenditure incurred during 2020-21 (Rs.in Lakh)	Receipts during 2020-21 (Rs.in Lakh)	Closing balance as on 31.01.2021 (Rs.in Lakh)	Expected closing balance by 31.03.2021(Including value of material in stock/ likely to be produced)
1950751.52	1143788.00	1167334.00	1974297.52	2074297.52

15.2 Plan of activities under revolving fund

Sl.No.	Proposed activities	Expected output	Anticipated income (Rs.)	Names of the team members involved
1	Paddy seed production under KVK instructional farm	133 q	3,85,000.00	Farm Manager, Scientist (Agronomy) Senior scientist and head
2	Seed production under farmers participatory approach	250 q	7,25,000.00	Scientist (Agronomy) Senior scientist and head
3	Ground nut seed production activities	70 q	4,90,000.00	Scientist (Agronomy)
4	Black gram seed production	10 q	1,20,000.00	Senior scientist and head
5	Green gram seed production	10 q	1,20,000.00	Scientist (Agronomy)
6	Sugarcane single eye bud seedlings	20,000	40,000.00	Scientist (Agronomy) Senior scientist and head
7	Production of MPTs Seedlings	5000	200000.00	Scientist (Agroforestry)
8	Areca nut seedlings	9000	270000.00	Scientist Horticulture , Farm Manager, SS&H
9	Black pepper seedlings	10000	150000.00	Scientist Horticulture , Farm Manager, SS&H
10	Cardamom seedlings	3000	60000.00	Scientist Horticulture , Farm Manager, SS&H

11	Coffee seedlings	4000	80000.00	Scientist Horticulture , Farm Manager, SS&H
12	Vanilla seedlings	500	15000.00	Scientist Horticulture , Farm Manager, SS&H
13	Drumstick seedlings	500	5000.00	Scientist Horticulture , Farm Manager, SS&H
14	Nut mug seedlings	2000	100000.00	Scientist Horticulture , Farm Manager, SS&H
15	Cinnamon seedlings	1000	27000.00	Scientist Horticulture , Farm Manager, SS&H
16	Milk production	7000 liters	250000.00	Scientist Veterinary Sci, Farm Manager, SS&H
17	Calves	5	125000.00	Scientist Veterinary Sci, Farm Manager, SS&H
18	Kids	10	120000.00	Scientist Veterinary Sci, Farm Manager, SS&H
19	Country eggs	1500	15000.00	Scientist Veterinary Sci, Farm Manager, SS&H
20	Backyard bird cockerels	100 kg	15000.00	Scientist Veterinary Sci, Farm Manager, SS&H
21	Chicks	1000	30000.00	Scientist Veterinary Sci, Farm Manager, SS&H
22	Fish	800kg	40000.00	Scientist Veterinary Sci, Farm Manager, SS&H

16. Activities of soil, water and plant testing laboratory during 2021-22

Sl.No.	Type of samples	No.of samples to be analyzed	Names of the team members involved
16.1	Soil test using analytical lab	1000	TO (Agroforestry)
16.2	Soiltest using mobile analysis kit	-	Scientist (Agronomy)
16.3	Water	500	
16.4	Plant	-	
16.5	Others, pl. specify	-	

17. E-linkage during 2021-22

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	Information system on Ginger Production	Exposure to Bootstrap and PHP software.
17.2	Creation and maintenance of relevant database system for KVK	Excel Database of Day today activities	
17.3	Any other (Please specify)	-	

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

Sl. No	Activities planned	Remarks if any

19. Farmers Field School (FFS) planned

Thematic area	Title of the FFS	Budget proposed in Rs.
Plant Protection	IPM in Paddy	30000.00

20. Integrated Farming System(IFS) planned

Description of model(s)	No. of models/units	Budget proposed in Rs.

21.Details of budget utilization (2020-21) upto 31 March 2021

Sl.No.	Particulars	Sanctioned	Released	Expenditure
21.1	(A). REVENUE (Recurring Contingencies)			
21.1.1	Pay & Allowances	17255000	17255000	17245474
21.1.2	Traveling allowances	190000	190000	194230
21.1.3	Contingencies			
21.1.3.a	<i>Stationery, telephone, postage and other expenditure on office running, publication of Newsletter</i>	313000	313000	311539
21.1.3.b	<i>POL, repair of vehicles, tractor and equipments</i>	289000	289000	288747
21.1.3.c	<i>Food/refreshment for farmers/extension personnel @ Rs.150/person/day</i>	100000	100000	85237
21.1.3.d	<i>Training material (need based materials and equipments for conducting the training)</i>	50000	50000	49586

21.1.3.e	Frontline demonstrations	350000	350000	346220
21.1.3.f	On farm testing (OFTs)/Technology Assessment	99000	99000	96883
21.1.3.g	Integrated Farming System (IFS) (Min. 5 Units)	--	--	--
21.1.3.h	Training of extension functionaries	10000	10000	9991
21.1.3.i	Extension activities/services	25000	25000	24367
21.1.3.j	Farmers' Field School	--	--	--
21.1.3.k	EDP (2 Nos.) / Innovative activities	8000	8000	7805
21.1.3.l	Soil & water testing & issue of soil health cards	25000	25000	24802
21.1.3.m	Maintenance of building	89000	89000	88133
21.1.3.n	Farmers Conclave, KVK Conference	--	--	--
21.1.3.o	Video production	--	--	--
21.1.3.p	Library (Purchase of Journals, Periodicals, News Papers & Magazines)	4000	4000	3220
21.1.3.q	Nutrigarden	25000	25000	24500
	Total Recurring	18832000	18832000	18800734
21.2	(B). CAPITAL (Non-Recurring Contingencies)			
21.2.1	Equipments & Furniture	761000	761000	660071
21.2.2	Works	--	--	--
21.2.3	Vehicle	--	--	--
21.2.3 a	Four wheeler (replacement)	--	--	--
21.2.4	Library	--	--	--
	Total Non Recurring	761000	761000	660071
21.3	(C). REVOLVING FUND	--	--	--
	GRAND TOTAL (A+B+C)	19593000	19593000	19460805

22. Details of Budget Estimate based on proposed action plan (2021-22)

Sl.No.	PARTICULARS	Amount Rs.
A. REVENUE (Recurring Contingencies)		
1	Pay & Allowances	15670000
2	Traveling allowances	250000
3	Contingencies	
a	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter	350000
b	POL, repair of vehicles, tractor and equipments	300000
c	Food/refreshment for farmers / extension personnel @ Rs.150/person/day	175000

d	Training material (need based materials and equipments for conducting the training)	70000
e	Frontline demonstration	686025
f	On farm testing	81800
g	Integrated Farming System (IFS) (Min. 5 Units)	100000
h	Training of extension functionaries	50000
i	Extension Activities	70000
j	Farmers' Field School	30000
k	EDP / Innovative activities	60000
l	Soil & Water Testing & Issue of Soil Health Cards	50000
m	Maintenance of building (Repair & Renovation)	200000
n	Nutrigardens - 30 demonstrations	25000
o	Video Production	50000
p	Library (Purchase of Journal, Periodicals, News Paper & Magazines)	10000
TOTAL (A)		18227825
B. CAPITAL (Non-Recurring Contingencies)		
1	Equipments& Furniture	1000000
2	Works	--
3	Vehicle	--
	a) Four Wheeler (Replacement)	--
4	Library (Purchase of assets like books & journals back volume)	--
TOTAL (B)		1000000
GRAND TOTAL (A+B+C)		19227825

-:O:-