

ICAR-TARALABALU KRISHI VIGYAN KENDRA, DAVANAGERE

ACTION PLAN - 2021-22

1. General information about the KrishiVigyan Kendra

1.1	Name and address of KVK with phone, fax and e-mail ID	:	ICAR- Taralabalu Krishi Vigyan Kendra Kadalivana, LIC Colony Layout, B.I.E.T. Road, Davanagere – 577 004 Davanagere-Dist. 08192 – 263462/ 08192 – 297142 kvk.Davanagere@icar.gov.in dvgtkvk@yahoo.com
1.2	Name and address of host organization	:	Taralabalu Rural Development Foundation Sirigere – 577541 Chitradurga (Dist.) 08194 – 268829, 268842 08194 – 268847 ao@taralabalu.org (kvk.Davanagere@icar.gov.in) http://www.taralabalu.org
1.3	Year of sanction	:	2004
1.4	Website address of KVK and date of last update	:	www.taralabalukvk.com

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 Devaraja T N	Fishery	37400-67000	55580	17-05-2005	
2.2	Subject Matter Specialist	Basavanagowda M G	Horticulture	15600-39100	27520	21-11-2006	
2.3	Subject Matter Specialist	Mallikarjuna B O	Agronomy	15600-39100	26520	09-01-2008	
2.4	Subject Matter Specialist	Dr G K Jayadevappa	Animal Science	15600-39100	26520	29-01-2008	
2.5	Subject Matter Specialist	Raghuraja J	Agri. Extension	15600-39100	25590	23-06-2008	
2.6	Subject Matter Specialist	H.M. Sannagoudra	Soil Science	15600-39100	20640	01-07-2013	
2.7	Subject Matter Specialist	VACANT	Plant Protection	15600-39100	--	--	
2.8	Programme Assistant (Lab Assistant)	VACANT	(Home Science)	-	-	-	
2.9	ProgrammeAssistant (Computer Programmer)	Santhosh B	Computer	9300-34800	15710	05-09-2008	
2.10	Programme Assistant (Farm Manager)	Vijayakumar S B	Farm Manager	9300-34800	15120	23-06-2008	
2.11	Accountant/Superintendent	Mallikarjuna S Gudihindala	Assistant/ Superintendent	9300-34800	19640	01-06-2005	
2.12	Stenographer	Mamatha H Melmalagi	Stenographer Gr.III	5200-20200	13330	27-06-2005	
2.13	Driver 1	VACANT	Driver (Jeep)	-		-	
2.14	Driver 2	S Shivakumar	Driver (Tractor)	5200-20200	10860	01-06-2005	
2.15	Supporting staff 1	B Shivakumar	Grade-I	5200-20200	9540	01-06-2005	
2.16	Supporting staff 2	S E Shivakumar	Grade-I	5200-20200	9540	01-06-2005	

3. Details of SAC meeting conducted during 2020-21

Date	Major recommendations	Status of action taken in brief	Reasons for no actions, if any
	Bench mark information of each farmer selected from DFI villages should be considered for DFI works.	<ul style="list-style-type: none"> • Based on Bench mark survey in Rameshwara and Agasanakatte villages (50 farmers each) and problems are recorded. • The activities of Krishi Vigayn Kendra, NICRA project and PKVY project are taken up to address these problem. 	
	To create awareness on soil analysis and to conduct soil health awareness programmes.	<ul style="list-style-type: none"> • 932 Soil samples are analyzed and soil health cards distributed. • All the FLD and OFT farmers were given soil health cards. 4 campaigns are conducted in 4 adopted villages. • 75 + Training programmes were conducted on soil test based fertilizer application in collaboration with Department of Agriculture. • Training on 'methods of soil sampling' was organised on 28-5-2020 (23 farmers) 	
	To provide good quality seeds and seedlings to farmers from KVK.	<ul style="list-style-type: none"> • Quality seedlings from nursery were produced and distributed to farmers (Coconut 2544 seedlings 87 farmers, Arecanut 4680 seedlings 20 farmers, Drumstick 23868 seedlings-107 farmers. Velvet beans 9.53 quintal 68 farmers. 	
	Try to practice and demonstrate more technologies in the KVK Instructional Farm.	<ul style="list-style-type: none"> • Following demonstrations taken up in instructional farm depicting various technologies. <ul style="list-style-type: none"> - Dairy with modern facilities - Shade Home / Polyhouse 	

		<ul style="list-style-type: none"> - Azolla production unit - Ornamental fish breeding unit - Fish polyculture pond with horti integration - Guava Scion Block (2 varieties, Lalima & Keertima) - Portable Carp hatchery - Fodder demo units (CoFS 29 & 31, Guinea grass, NapierX) - Biogas unit - Vermicomposting units - Rain Water harvesting system - Threshing yard - Irrigation system - Borewell recharge units - Plant Health Clinic Orchards and agro forestry - Arecanut garden - Mango - Sapota orchard - Hexagonal and penta planting of coconut garden - Germ plasm coconut - Arecanut garden with varying spacings - Tamarind garden, Medicinal plants - Curry leaf garden - Agro forestry with biofuel plants - Miyawaki miniforests (2 unit) - Ultra High Density Mango (Alfanzo) - Jack orchard (27 varieties) - Lime orchard (2 varieties) - Mixed Fruit Orchard (32 varieties) - High Density Mango Orchard (5 	
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		<p>varieties)</p> <ul style="list-style-type: none"> - Jamun Orchard (2 varieties) - Avenue & bund planting with drumstick and hybrid dwarf coconut. - Bamboo - Teak block - <i>Melia dubia</i> block - Kitchen garden <p>Other structures</p> <ul style="list-style-type: none"> - Trench cum bunds - Dubble pits - Silt traps pits - Crescent basins - Check dam - Farm ponds 	
		Create awareness to reduce indiscriminate use of fertilizers.	<ul style="list-style-type: none"> • 7 trainings on ‘Fertilizer management in crops’ were conducted (227 Participants FLD and OFT farmers). • A seminar on this topic was organized during technology week celebration on 5-12-2020 (171 Participants).
		Create awareness among farmers to reduce the cost of cultivation.	<ul style="list-style-type: none"> • Guest lecture on ‘Cost reduction in Paddy’ was given on 18-11-2020 at Satyanarayanapura camp (121 participants) and on 3-12-2020 at Irrigation department, Davanagere organised by district administration on the subject ‘DSR for command area’. • MLA, Members, Zilla Panchayath, Farmer leaders, Department Officials participated in the programme. • Both the programmes were well covered by print media. • Elaborated this issue in DFI strategy document (Both in Kannada and English). • FLD – Mechanization in Paddy

		To create awareness among farmers for using residual moisture to cultivate Bengalgram.	<ul style="list-style-type: none"> • Initiated demonstration on ICM of Bengalgram in Rameshwara village in Rabi 2019-20 and 2020-21. (50 farmers each year) under NFSM.(40 ha.)
		To give information on economics of crop cultivation/ enterprise in each training programme.	<ul style="list-style-type: none"> • Economics of crop cultivation is covered in every training programme. • Training on ‘Production technology of Mushroom’ was organized in collaboration with Horticulture Department and UAHS, Shivamogga. (78 Participants)
		Suggested to promote cultivation of multiple crops and avoid mono cropping system.	<ul style="list-style-type: none"> • Velvet beans as intercrop in arecanut was promoted. • 9.53 Quintal of Seeds and 68 farmers). • Redgram as intercrop in Maize FLDs were takenup in Siddanur, Agasanakatte and PR Halli (110 farmers) and Rameshwara (50 farmers-NFSM). • FLD on Pepper as intercrop in Arecanut was conducted in Kukkawada village (5 farmers) (Avare as intercrop in Agro forestry system in Siddanuru village.
		Give information to farmers about Bank Linkages and schemes available for farmers on various enterprises/crop cultivation and suggested to use Bank finance judiciously.	<ul style="list-style-type: none"> • 11 reverse migrants from Kalledevarapura village were linked to KCC to start Sheep rearing. Further, efforts are on to link more migrants.
		Suggested the KVK to organize a separate meeting (Brain Storming Session) for developing action plan in DFI villages.	<ul style="list-style-type: none"> • DFI strategy documents prepared and shared with Development Departments. • Action plan 2020-21 discussed in Bi-Monthly meeting.
		Encourage climate smart agriculture among farmers.	<ul style="list-style-type: none"> • Encouraged in-situ moisture conservation technologies in crop cultivation. • Cultivation of Redgram as intercrop in Maize with more than 200 Farmers.

			<ul style="list-style-type: none"> • Production of drought tolerant variety of perennial fodder crops (COFs-29/31) with 100 Farmers. • Encouraged dry fodder enrichment with 50 Dairy Farmers. • Cultivation of drought tolerant Ragi ML-365 with 250 farmers.
		Suggested to develop Public- Public understanding system. Local officials should be involved for disseminating the information.	<ul style="list-style-type: none"> • 5 Whats App groups crated by KVK (659 participants) facilitated exchange of ideas related to traditional seeds availability, organic farming and livestock etc. • The group also includes local level officials like AAOs, AOs, ATMA functionaries, AHO's and scientists of SAUs.
		Encourage Mango, Cashew and other less water requiring crops in drylands.	<ul style="list-style-type: none"> • 2 FLDs on Cashew is going on in Goudikatte, Venkateshpura and Tuppadahalli villages (6 farmers) • Drumstick at Marikunte (5 farmers). • Under NICRA project: Mango (150 seedlings)-3 farmers, Drumstick (1100 seedlings) 5 farmers, also Sandalwood, Raktha Chandana, Silver Oak promoted through Forestry Department with 3 farmers (1240 trees).
		Recommend only crops that are suitable to that area and encourage alternate crops wherever necessary.	<ul style="list-style-type: none"> • Successfully grown Potato and DSR rice by Sri Dyamanna, Haluverthy village. (Rainfed situation) in place of Maize under KVK guidance. • Cashew and Drumstick FLDs are in progress in rainfed situation alternative to arecanut.
		Encourage soil fertility management through green manure crops cultivation.	<ul style="list-style-type: none"> • To promote green manure crop in Arecanut and Coconut, KVK produced 9.53 q velvet beans seeds and supplied to 68 farmers.

			<ul style="list-style-type: none"> • Training on 'Role of green manure crop in enriching soil fertility' was organized in Rameshwara village (31-1-2020, 44 participants). • Under PKVY-Green manure crops were demonstrated.
		Encourage organic farming among farmers.	<ul style="list-style-type: none"> • 50 Farmers are promoted in Rameshwara village in organic farming through PKVY project. • Continued Saturday Organic Bazaar in KVK since 2012. Training on 'Organic Farming' was conducted in Rameshwara village on 10-3-2020 (27 participants), 28-1-2020. (46 participants).
		Introduce New Variety of onion developed by IIHR (Lalima / Keertima).	<ul style="list-style-type: none"> • Requested Arka Niketan seeds from the Institute. But not implemented due to non availability of seeds.
		Suggested to popularize the Nutrigarden (Vertigarden) in rural areas.	<ul style="list-style-type: none"> • Nutrigarden Demonstration is conducted in Rameshwara village (25 families). • The trainings sponsored by Department of Horticulture on Nutrigarden were organized (9-3-2020-102 Participants, 17-9-2020, 58 Participants)
		Livestock are suffering from nutritional imbalances and to create more awareness programmes on these issues.	<ul style="list-style-type: none"> • All these issues are covered under OFT, FLD, Training Programmes (10), FAS 400 during the year 2020-21 with 550-600 farmers from 26 villages.
		Suggested to organize Siridhanya Melas.	<ul style="list-style-type: none"> • Not organized yet, will organize in coming days, However Saturday Organic Bazaar is continued where in millets are sold directly to consumers.

		Suggested to popularize cashew crop instead of Arecanut crop. Conduct Awareness Programmes on this regard.	<ul style="list-style-type: none"> • Gave awareness programme (2 no) in Jagalur taluk in collaboration with Horticulture Department on 3-9-2020 and 25-9-2020.
		Encourage NRM works with farmers.	<ul style="list-style-type: none"> • It is being done under NICRA Project construction of Farm Ponds (3 No.s) and developing check dams (2 Nos) in NICRA villages. • Collaborative programmes with Department of Agriculture Department under NREGS.
		To provide assistance to farmers for creating onion storage structures from Department of Horticulture.	<ul style="list-style-type: none"> • State level proposal to construct 150 small onion storage structure in collaboration with Horticulture Department by KVK under small processing unit of ATMA Nirbar Yojana was prepared and submitted to ATARI. • 12 unit of onion storage structure will be establishing in DFI village Rameshwara.
		To use forest plants for farm boundaries from Department of Social forestry.	<ul style="list-style-type: none"> • 2000 forest species (Honge, Neem, Shimaruba, Jamoon, Silveroak Amla, Glyricidia) were collected from Forestry Departments Distributed to farmers. • Planting of 5000 forest species was initiated along with Department in Daginakatte village on the occasion of 'World Biofuel Day' • Created Miyawaki Mini Forests in 3 locations of KVK farms with 8,000 forest saplings.
		Encourage hydroponic fodder production among farmers during summer.	<ul style="list-style-type: none"> • Encouraged the Hydroponic fodder production through Farm Advisories and Training programme. especially in ASCI-Dairy Farmer TP.

		Suggested to encourage farmers to construct farm ponds and to take help from Development Department.	<ul style="list-style-type: none"> • Through NiCRA Project we have been doing these activities – 3 Farm ponds constructed in 2019-20. • 2 huge ponds in Neerthadi village with the help of Horticulture and Fisheries Department.
		Under cashew mission from Department of Horticulture use cashew seedlings (alternate to arecanut crop) and processing units can be established.	<ul style="list-style-type: none"> • Proposal prepared and will be submitted to Department of Horticulture.
		Fisheries activity in farm ponds should be encouraged for additional income.	<ul style="list-style-type: none"> • OFT on fisheries is in progress in Haluvarthy, Kandagal and Hanagawadi village in farm ponds. • Two farmers in NICRA village Siddanur, demonstrated high value fish culture in farm ponds.
		Suggested to popularize medicinal plants cultivation among farmers. Give more awareness programmes in this regard.	<ul style="list-style-type: none"> • Awareness programme medicinal plants was organised on 04-12-2019 in collaboration with Department of Agriculture (57 Participants). • Shatavari and Turmeric is being promoted at Siddanuru. • One webinar on medicinal plants was addressed by SSH in collaboration with Ayurvedic college, Gulberga on 17-6-2020.
		Suggested to organize workshop for sellers and buyers (interacting session) on Agriculture/Horticulture commodities.	<ul style="list-style-type: none"> • Will be organized in coming days
		Millet processing units should be encouraged with the help of Department of Agriculture.	<ul style="list-style-type: none"> • Will be taken up. • Awareness videos are uploaded on You tube Channel.

21-12-2020		Group-1: To be addressed through extension activities of KVK:	
		Take FPOs feedback and send to Government for policy making.	
		Transplanter servicing Training to be organized from KVK (Machinery camp) Eg.: Sprayer camp (free service is provided)	
		Call other village farmers and officials for Field days which is very important. Invite Bank Branch Manager also for the Field days.	
		Negliamiditha is there for all 7 districts use it, each scientist can give more than 10 programmes.	
		Farmers professor: Identify good farmers and send to UAHS, Shivamogga for teaching students.	
		Case studies, Special projects, Research publication etc. to be uploaded to website.	
		Nutrition garden-Awareness programme required.	
		Awareness to avoid pesticides sprays (Cost of cultivation reduces) in Paddy required.	
		Promote Fodder crops seeds production and supply to farmers from KVK.	
		Approach us for wider publicity and increase the number of programmes.	
		Krishi Vigyan Kendra can utilize services of District publicity centre to reach	

		maximum farmers. Send news item before 3.00 pm to us whenever any activity is conducted in KVK.	
		Training on quality management is required (e.g.: Maize).	
		Group-II: To be addressed through action plan of Krishi Vigyan Kendra:	
		Increase HRD works (Other KVK visit).	
		Take up Seed production activity in a participatory mode. (Processing unit at Kattalagere).	
		Kindly promote cultivation of Cashew crop.	
		Coconut – White flies problem is increasing, do demonstration regarding this issue.	
		Maize –Tur inter-cropping – to be increased (3 acre maize and 2 acre tur)-Government scheme.	
		Group-III: To be initiated in collaboration with Development:	
		Get accreditation of nursery in KVK instructional farm. Increase Horticulture nursery activities. Model nursery project proposal to be submitted to Department of Horticulture.	
		Cashew germplasm-tie up with Bavikere research station – Try to keep V- 4 & V- 7 varieties	
		Indent driven system –Supply to farmers. Do the work collaboratively with University and Department.	
		KVK should have one FPO in the premises (NABARD should help in this regard).	

		Website protocols needs to be followed (Dynamic and Interactive website, Word files, not PDF format for uploading).	•
		KCC is extended to AH activities and Fisheries, also landless workers can take Rs. 3,600 through Kisan Credit Card. Two months working capital through KCC to address the technical problem – giving guidance for sustainable production.	•

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.)*
Agasanakatte Davanageretaluk	Maize Maize + Redgram	<ul style="list-style-type: none"> • Low yield • No intercrop • Cob worm incidence • Army worm and fall army worm 	175 ha	<p>OFT-Effect of Nano fertilizer (N and Zn) on growth and yield of Maize</p> <p>FLD –Integrated Crop Management in Maize + Redgram (TS-3R)</p> <ul style="list-style-type: none"> • Training <ul style="list-style-type: none"> - Importance of seed treatment - Integrated Nutrient and pest management • Method demonstrations <ul style="list-style-type: none"> - Seed treatment with bio fertilizers - Installation of pheromone traps for FAW • Extension activities

	Redgram (TS-3R/BRG-5)	<ul style="list-style-type: none"> • Low yield • Sole crop • Army worm and fall army worm • Improper nutrient management (No potash application) • No IPM measures in Redgram 	175 ha	<ul style="list-style-type: none"> • NFSM -CFLD –Integrated Crop Management in (Redgram BRG-5/TS-3R) Training <ul style="list-style-type: none"> - Importance of seed treatment for higher yield in intercropping system - Integrated pest management in Maize + Redgram • Method demonstrations <ul style="list-style-type: none"> - Seed treatment with bio fertilizers - Installation of pheromone traps • Extension activities
	Finger millet (ML-365)	<ul style="list-style-type: none"> • Bore well water used for maize crops and reduced yield . 	55 ha	<ul style="list-style-type: none"> • FLD – Crop replacement in the summer with Finger millet. • Training <ul style="list-style-type: none"> - Importance of seed treatment - Integrated Nutrient and pest management • Method demonstrations <ul style="list-style-type: none"> - Seed treatment with bio fertilizers - Installation of pheromone traps for FAW
Rameshwara , Nymathi taluk	Red gram	<ul style="list-style-type: none"> • Low yield • Sole crop • Army worm and fall army worm in Maize • No intercropping in Cereals • Improper nutrient management (No potash application) • No IPM measures in Redgram 	320 ha	<ul style="list-style-type: none"> • NFSM -CFLD –Integrated Crop Management in (Redgram BRG-5/TS-3R) .Training <ul style="list-style-type: none"> - Importance of seed treatment for higher yield in intercropping system - Integrated pest management in Maize + Redgram • Method demonstrations <ul style="list-style-type: none"> - Seed treatment with bio fertilizers - Installation of pheromone traps • Extension activities

	Groundnut	<ul style="list-style-type: none"> • Imbalanced nutrient management • Collar rot • Use of TMV-2 variety 	50 ha	<p>OFT- Assessment of performance of groundnut for higher yield</p> <ul style="list-style-type: none"> • Training <ul style="list-style-type: none"> - Improved production technology for higher yield - Integrated Nutrient Management - Integrated Disease Management • Method demonstrations <ul style="list-style-type: none"> - Seed treatment with bio fertilizers - Use of stripper • Extension activities
	Bengal gram	<ul style="list-style-type: none"> • Low yield • Low yielding varieties • No IPM measures • Poor nutrient management • Weed management • Broadcasting method of sowing 	90 ha	<p>NFSM –CFLD Integrated Crop Mangment in Bengal Gram</p> <ul style="list-style-type: none"> • Training <ul style="list-style-type: none"> - Integrated Crop Management in Bengalgram - IPDM practices in Bengalgram • Method demonstrations <ul style="list-style-type: none"> - Seed treatment with bio fertilizers - Installation of pheromone traps - Spraying of Chick pea magic • Extension activities
	Bhendi	<ul style="list-style-type: none"> • Low yield • Incidence of YVMV • Improved hybrids are not cultivated 	15 ha	<p>OFT_ Assessment of Bhendi Hybrids for Higher yield</p> <ul style="list-style-type: none"> • Training <ul style="list-style-type: none"> - Production technology - IPDM practices • Method demonstrations <ul style="list-style-type: none"> - Seed treatment with Biofertilizer - Installation of pheromone traps • Extension activities
	Dolichos Bean	<ul style="list-style-type: none"> • Low yield of existing varieties • Maize follow lands unutilized 	90 ha	<p>FLD – Dolichos Bean variety HA 3 in Maize fallow lands</p> <ul style="list-style-type: none"> • Training <ul style="list-style-type: none"> - Integrated Crop Management in Dolichos bean • Method demonstrations <ul style="list-style-type: none"> - Seed treatment with biofertilizers

				<ul style="list-style-type: none"> • Extension activities
	Onion	<ul style="list-style-type: none"> • Lack of suitable varieties for Rabi season • Lower yield • Incidence of sucking pests like Thrips • Purple Blotch • High cost on weeding 	90 ha	<ul style="list-style-type: none"> • FLD – Introduction of Bhima Shakti onion Variety for Rabi season • OFT- Thrips and Purple Blotch Management in Onion • Training <ul style="list-style-type: none"> - Integrated Crop Management in Onion • Method demonstrations <ul style="list-style-type: none"> - Seed treatment with biofertilizers • Extension activities
	Enterprise Onion storage structure	<ul style="list-style-type: none"> • Lack of storage structure 	--	<ul style="list-style-type: none"> • 30 x 12 feet, centre roofing height 9 feet (2 No.) • Convergence mode with Dept. of Horticulture • Total Cost Rs. 1,75,000/- (Subsidy Rs. 87,500/-) • Implemented through FPO
	Vermicompost unit	<ul style="list-style-type: none"> • Deteriorated soil fertility • Burning of agriculture residues 	--	<ul style="list-style-type: none"> • Construction 10 No. of units • Training and method demonstration • Convergence mode with Dept. of Horticulture • Total cost Rs. 60,000/- (Subsidy Rs. 30,000/-) •
	Tomato	<ul style="list-style-type: none"> • Imbalanced nutrient management • No IPDM practices 	25 ha	<ul style="list-style-type: none"> • FLD – Integrated Nutrient Management in Tomato • Training <ul style="list-style-type: none"> - Integrated Nutrient Management in Tomato • Method demonstrations <ul style="list-style-type: none"> - Arka Microbial Consortium - Spraying of Vegetable Special - Installation of pheromone traps • Extension activities
	Chilli	<ul style="list-style-type: none"> • Imbalanced nutrient management • No IPDM practices 	10 ha	<ul style="list-style-type: none"> • FLD – Integrated crop Management in Chilli • Training <ul style="list-style-type: none"> - Integrated Nutrient Management in chilli • Method demonstrations <ul style="list-style-type: none"> - Arka Microbial Consortium

				- Spraying of Vegetable Special Extension activities
	Ginger	<ul style="list-style-type: none"> • Imbalanced nutrient management • Application of excess P • Deficiency of micronutrient in soil (Zn, B & Fe) • Leaf spot 	5 ha	FLD – Demonstration of ginger rich for higher yield <ul style="list-style-type: none"> • Training <ul style="list-style-type: none"> - Integrated Nutrient Management in ginger • Method demonstrations <ul style="list-style-type: none"> - Arka Microbial Consortium - Spraying of ginger rich • Extension activities
	Banana	<ul style="list-style-type: none"> • Improper nutrient management • Deficiency of micronutrients (Zn, B and Fe) 	10 ha	FLD –Micronutrient Management in Banana Training <ul style="list-style-type: none"> - Integrated Nutrient Management in banana <ul style="list-style-type: none"> • Method demonstrations <ul style="list-style-type: none"> - Spraying of banana special • Extension activities
	Browntop millet	<ul style="list-style-type: none"> • Improper nutrient management • Stem borer • Blast 	4ha	FLD –Integrated crop management in browntop millet Training <ul style="list-style-type: none"> - Integrated crop Management in browntop millet <ul style="list-style-type: none"> • Method demonstrations • Extension activities
Cluster B				
Ramatheertha	Betelvine	<ul style="list-style-type: none"> • Foot rot • Downey mildew • Scales, root grub and leaf curl • Powdery mildew 	30 ha	FLD –Integrated Crop Management in Betelvine <ul style="list-style-type: none"> • Training <ul style="list-style-type: none"> - Recent trends in production technology of betelvine • Method demonstrations <ul style="list-style-type: none"> - Drenching of AMC - Lowering of vines • Extension activities

Cluster B				
Rameshwara	Foxtail millet	<ul style="list-style-type: none"> • Reduction in area under cultivation of minor millets. • Less market price and less demand in the market. • Lack of awareness on consumption of millets. • Lack of knowledge on value addition. • Lack of awareness on food license, pricing, packing, labeling & marketing. 	25 ha	FLD -Demonstration of nutri cereal crop (dhft-109-03 variety of foxtail millet) and value addition
	Nutri gardens	<ul style="list-style-type: none"> • Lack of awareness about nutrition & nutri garden • Less consumption of vegetables due to high price of vegetables and fruits • Lack of awareness on super foods 	200 No	FLD -Nutri Garden for year round nutritional security among farm families
Agasanakatte Davanagere taluk	Sheep and goat	<ul style="list-style-type: none"> • Lower body weight gain • Under nutrition • Worm infestation 	38 No.	<ul style="list-style-type: none"> • Training - Effect of total deworming and balanced nutrition in small ruminants • Method demonstrations - Preparation of compounded feeds for sheep • Extension activities
Kadaranahalli Channagiri taluk	Dairy	<ul style="list-style-type: none"> • Scarcity of good quality of fodder • Under /malnutrition • Mastitis 	11	<ul style="list-style-type: none"> • Training - Cultivation of good quality high yielding drought tolerant variety of fodder crops. - Importance of feeding minerals in dairy cattle to improve udder health and milk yield. • Method demonstrations - Dry fodder enrichment - Clean milk production methods - Silage making methods - Azolla production • Extension activities

Rameshwara Honnali taluk	Dairying	<ul style="list-style-type: none"> • Low milk yield& SNF content in dairy animals • High production cost • Inter-calving period is more • Scarcity of good quality fodders • Mastitis problem in crossbred cattle 	168 No.	<p>FLD–Cultivation of Mixed Fodders for better performance in dairy animals.</p> <p>Mass FLD-Enrichment of low-quality feeding stuffs for better performance in dairy animals</p> <ul style="list-style-type: none"> • Training <ul style="list-style-type: none"> - Tips for reducing Mastitis problems in dairy animals. - Importance of feeding colostrum and milk in crossbred female calves • Method demonstrations <ul style="list-style-type: none"> - Dry fodder enrichment - Preparation of Total mixed Ration for Dairy Cattle. - Silage making methods - Azolla production • Extension activities
	Sheep	<ul style="list-style-type: none"> • Lower body weight gain • Worm infestation 	150 NO.	<ul style="list-style-type: none"> • Training <ul style="list-style-type: none"> - Effect of total deworming and balanced nutrition in small ruminants • Method demonstrations <ul style="list-style-type: none"> - Preparation of compounded feeds for Sheep& Goat • Extension activities
	IFS	<ul style="list-style-type: none"> • Mono cropping systems 	--	Dry land IFS system – 10,000/-
Rameshwara Honnali taluk	Enterprise Onion storage structure	<ul style="list-style-type: none"> • Lack of storage structure 	--	<ul style="list-style-type: none"> • 30 x 12 feet, centre roofing height 9 feet (2 No.) • Convergence mode with Dept. of Horticulture • Total Cost Rs. 1,75,000/- (Subsidy Rs. 87,500/-) • Implemented through FPO
	Vermicompost unit	<ul style="list-style-type: none"> • Deteriorated soil fertility • Burning of agriculture residues 	--	<ul style="list-style-type: none"> • Construction 10 No. of units • Training and method demonstration • Convergence mode with Dept. of Horticulture • Total cost Rs. 60,000/- (Subsidy Rs. 30,000/-)
	Natural resource management – cleaning of water ways	<ul style="list-style-type: none"> • Water stagnation in farmers field • Low yield of field crops 	--	<ul style="list-style-type: none"> • Clearing of water way leading to village tank (widening and deepening) in convergence mode- Rs. 2,00,000/-
	Village tank	<ul style="list-style-type: none"> • Silt accumulation • Reduction in Storage capacity 	--	<ul style="list-style-type: none"> • De-silting and deepening of village tank (26 acre) in convergence mode- Rs. 5,00,000/-

		<ul style="list-style-type: none"> • Weed menace 		<ul style="list-style-type: none"> • Application of tank silt to farm field
	Farm ponds	<ul style="list-style-type: none"> • No protective irrigation during critical stages of crop growth 	--	<ul style="list-style-type: none"> • Construction of farm pond (10 No.) in convergence mode- Rs. 2,00,000/-
	Capacity building	<ul style="list-style-type: none"> • Unorganised approach in production and marketing 	--	<ul style="list-style-type: none"> • FPO strengthening
Marikunte Jagalur taluk	Dairying	<ul style="list-style-type: none"> • Low milk yield • Poor feeding due to shortage of fodder • Delayed puberty 	116 No.	<ul style="list-style-type: none"> • Training <ul style="list-style-type: none"> - Use of Non-protein nitrogenous (NPN) substances in reducing the feeding cost in dairy animals - Importance of colostrum and milk feeding to crossbred female calves • Method demonstrations <ul style="list-style-type: none"> - Dry fodder enrichment & feeding along with grain mixture - Silage making methods - Azolla production
	Sheep	<ul style="list-style-type: none"> • Low body weight gain • Under nutrition • Worm infestation 	950 No.	<p>FLD – Use of Mineral pellets for better performance in Small Ruminants.</p> <p>Training</p> <ul style="list-style-type: none"> - Effect of total deworming and balanced nutrition in small ruminants <ul style="list-style-type: none"> • Method demonstrations <ul style="list-style-type: none"> - Preparation of compounded feeds for sheep & goat • Extension activities
	Poultry rearing	<ul style="list-style-type: none"> • Low body weight gain • Predator problem for Giriraja birds • Sudden Mortality 	820-850	<ul style="list-style-type: none"> • OFT-Comparative study on growth performance of Kadaknath poultry bird with other local breeds of backyard poultry. • Training- Rearing poultry birds in backyard • Extension activities

5. Technology assessment during 2021-22

Sl.No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of technology
5.1	Groundnut	<ul style="list-style-type: none"> Use of local variety TMV-2 Low yield Lack of awareness on improved varieties. 	Performance assessment of groundnut varieties for better yield.	T ₁ :Farmers Practice: TMV-2	-
				T ₂ : Recommended practice: GPBD-4	UAS(D)
				T ₃ :Recommended Practice:G252	UAS(D)
				T ₄ : ecommended Praticce : GKVK 5	UAS(B)

Name of critical input	Qty per trial (q)	Cost per trial (Rs.)	No. of trials	Total cost (Rs.)	Parameters to be studied	Team members
T ₁ - Nil	-	-	03	-	<ul style="list-style-type: none"> Germination % Plant height No of pods/plant Shelling % Test weight Pod yield Haulm yield 	
T ₂ - Pods GPBD-4			03	12000.00		
Gypsum	40kg	3200				
Rhizobium and PSB	100 kg	400				
/Trichoderme	11g	100				
Pp chemicals	100g	50				
	500 ml	250				
		4000				
T ₃ - Pods - G-25-2			03	12000.00		
Gypsum	40kg	3200				
Rhizobium and PSB	100 kg	400				
/Trichoderma	11g	100				
Pp chemicals	100g	50				
	500 ml	250				
		4000				
T ₄ – Pods - GKVK-5			03	12000.00		
Gypsum	40kg	3200				
Rhizobium and PSB	100 kg	400				
/Trichoderma	11g	100				
Pp chemicals	100g	50				
	500 ml	250				
		4000				
				36000.00		

Sl. No.	Crop/enterprise	Prioritized problem	Title of intervention	Technology options	Source of technology
5.2	Maize	• Low yield	Effect of Nano fertilizer (N and Zn) on Growth and Yield in Hybrid Maize	1. Application of NP(100kg) fertilizers as a basal dose and top dressing with Nitrogenous(50 kg urea) and Potash fertilizers (30 kg MOP	Farmers practice
				2 .Soil Test Based Fertilizers application Nutrient Management (RDF; 100:50 :25 N , P ₂ O ₅ and K ₂ O kg/ha. 50 % N . 100 % P ₂ O ₅ and 50 % K ₂ O as a basal and 25 % N at 30 DAS and 25% N and 50 % K ₂ O at Tasselling stage	UAHS, Shivamoga
				3. Application of 25 % N (N: 25 kg/ha), 50% K ₂ O and 100 % P ₂ O ₅ as a basal dose . 25 % N at 25 – 30 DAS, 50 % K ₂ O at tassselling stage . N and Zn Nano fertilizer spray at 30 DAS (4 ml/l of water) and second spray 50 DAS	IFFCO NBRC , Gujarath

Name of critical input	Qty per trial (q)	Cost per trial (Rs.)	No. of trials	Total cost (Rs.)	Parameters to be studied	Team members
Soil analysis	-	200	05	1000	Parameters: Yield q/ha Plant height (cm) No of rows /cob Cob weight (g) Benefit cost ratio	Mallikarjuna B.O. Sannagouda H.M Raghuraja J Dr Devaraja T.N
<i>Soil analysis</i>	-	200	05	1000		
Soil analysis N and Zn based Nano Fertilizers	1 litre	450		5500		
	1litre	450				
		1500		7500		

Sl.No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of technology
5.3	Bhendi	<ul style="list-style-type: none"> • Low yield of existing varieties • High incidence of YVMV 	Assessment of Bhendi Varieties for Higher Yield	T1: Nyamati Local	TNAU Coimbatore
				T2: COBh 1 Resistance to yellow vein mosaic virus disease with high level of market preference. The fruits are dark green, slender, less fibrous and sparsely pubescent. Yield- 22.1 /ha	
				T3: Arka Nikhita Produces dark green, medium size, smooth and tender fruits Tolerant to YVMV High edible fibre content Yields 21-24 t/ha	IIHR Hesaraghatta

Name of critical input	Qty per trial (q)	Cost per trial (Rs.)	No. of trials	Total cost (Rs.)	Parameters to be studied	Team members
Seeds	250 g	1000/-	05	5000/-	<ul style="list-style-type: none"> • Plant Height (cm) • Yield (kg/ plant) • Yield (q/ha) • Incidence of YVMV (%) • BCR 	SMS (Horticulture) SMS (Soil Science) SSH
Seeds	250 g	1000/-	05	5000/-		

Sl.No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of technology
5.4	Onion	<ul style="list-style-type: none"> Incidence of sucking pests like Thrips Purple Blotch 	Thrips and Purple Blotch Management in Onion	T1: Farmers Practice Spray Dimethoate @ 2 ml/l Spray Carbendiazim @ 2 g /l	
				T2: Spray Imidacloprid @ 0.25 ml/l Spray Mancozeb @ 2 g/l	UHS, Bagalkot
				T3: Plant two rows of Maize as barrier crop 2 sprays of <i>Lecanicillium lecanii</i> @ 2 g / L + Solubor@ 1 g/L 2 sprays of Fipronil @1 ml/L + Propiconazole (1ml/L) + Solubor@ 1g/L Use of Yellow sticky traps @ 20/ac	NRC for Onion & Garlic, Rajgurunagar (Pune)

Name of critical input	Qty per trial (q)	Cost per trial (Rs.)	No. of trials	Total cost (Rs.)	Parameters to be studied	Team members
Imidacloprid	500 ml	300/-	05	1500/-	<ul style="list-style-type: none"> Thrips incidence(%) Incidence of Purple Blotch(%) Yield (q/ha) 	SMS (Horticulture) SMS (Plant Protection) SSH
<i>Lecanicillium lecanii</i>	1 kg	400/-	05	5000/-		
Solubor	250g	200/-				
Yellow Sticky traps	10	400				

Sl. No.	Crop/enterprise	Prioritized problem	Title of intervention	Technology options	Source of technology
5.5	Poultry	The body weight gain	Comparative study on growth performance of Kadaknath poultry bird with other local breeds of backyard poultry.	T.1- Rearing local poultry birds in backyard condition	Farmer
				T ₂ . Rearing Giriraja poultry birds in backyard condition	KVAFSU, Bidar
				T ₃ . Rearing Kadaknath poultry birds in backyard condition	Dhar district, Madhya Pradesh

Name of critical input	Qty per trial (q)	Cost per trial (Rs.)	No. of trials	Total cost (Rs.)	Parameters to be studied	Team members
--	--	--	04	20400	1.Fortnightly Body weight gain (g) 2. Chicks Mortality (%) 3.Economics of Rearing	SMS (Animal Science) SMS (Agri. Extension) SSH
--	--	-				
Kadaknath Chicks	50 birds	5000				
Vaccination & Medicine	-	100				

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
6.1	Cereals	Hybrid Maize	<ul style="list-style-type: none"> • Army worm incidence and fall army worm (60-100%) • Affected area – 500 ha 	<p>Integrated crop Management in Maize + Red gram Spacing of 60X30 cm for maize and Seed rate 15kg/ha Intercropping of Redgram in Maize (8:1)</p> <ul style="list-style-type: none"> ✓ Management (Spray with Chloropyripous @ 2ml/l (Stem Borer) and Mancozeb-2.5 g/l (Downey mildew) for Maize) ✓ Use of biofertilizers <i>Azospirillum</i>, PSB each/ha ✓ Spray with water soluble fertilizers Micro nutrient (11) @5ml/ and Macro nutrient @ 5g/l of water <p>FAW management</p> <ul style="list-style-type: none"> ✓ Installation of pheromone traps @ 12 no/ha (24 lures)- Fall Army worm (<i>Spodoptera frugiperde</i>)- 8 days after Sowing ✓ Spraying of Chlorantraniliprole @ 150 ml / ha (0.3 ml/l of water) <p>Pod Borer Management Installation of pheromone traps @ 6 no/ha (12 lures)-</p> <ul style="list-style-type: none"> ✓ Spraying of Chlorantraniliprole @ 150 ml / ha (0.3 ml/l of water) 	-	Private hybrid	UAHS (S)

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
Pheromone traps	5nos @ lures 10 nos.	600	10	35600	<ul style="list-style-type: none"> • Yield (q/ha) • No of rows/cob (No.) • Test weight (g) Incidence of FAW (%)	SMS (Agronomy) SMS (Soil Science) SSH
Chlortraniliprole / Emmacatin Benzoate	60 ml	950				
Zinc Sulphate @	4 kg	250				
Potassium Nitrate - 13:00:45	2kg	360				
Redgram Seeds	2kg	200				
Pheromone traps	3 No. +6 lures	250				
Neem Based Pesticides	1 l	450				
Pulse Magic	2k	500				
Total		3560.				

Sl.No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.2	Millets	Finger Millet	<ul style="list-style-type: none"> High water required crop maize grown under bore well irrigation during summer Crop losses due to no water in bore wells at time of cob filling stage 	<p>Integrated crop Management In Finger Millet during the summer (ML-365)</p> <ul style="list-style-type: none"> ✓ Spacing 60 X 30 cm ✓ Seed rate 12 kg /ha ✓ Seed treatment of Bio (Azosprillium and PSB @ 500g/ha each) ✓ Application of Micronutrient Mixture (10 kg/ha) ✓ Spraying of Macro nutrient 5g/l of water (5kg/ha)- 2 sprays 	-	Private hybrid	UAH (S)

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
Seeds (ML-365)	5 kg	250.00	25	25000.00	<ul style="list-style-type: none"> Yield (q/ha) No. of Irrigations No. of Fingers/head Fodder yield (t/ha) 	SMS (Agronomy) SMS (Soil Science) SSH
Micro nutrient Mixture (FeSO4)	4 kg	300.00				
Bio fertilizers (Azosprillium / PSB)	1kg	100.00				
Macro Nutrient Mixture	2kg	350.00				
Total		1000-00				

Sl.No.	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.3	Pulses	Redgram	<ul style="list-style-type: none"> ➤ Low yield ➤ Improper nutrient management ➤ No IPM measures 	<p>Variety: BRG-5</p> <p>Technology with cost breakup per ha</p> <ul style="list-style-type: none"> ➤ Use of wilt tolerant medium duration variety BRG- 5 seeds:15.0 kg /ha <p>Seed treatment</p> <ul style="list-style-type: none"> ➤ Bio fertilisers- Rhizobium &, PSB @ 1kg each &Trichoderma @ 5.0 kg/ha ➤ Spray with Pulse magic -5kg/ha <p>PP measures</p> <ul style="list-style-type: none"> ➤ Installation of pheromone traps @ 8no. / ha(16 lures) ➤ Spray with profenophos @ 2ml/l- Ovicidal- 1 l/ha ➤ Spray with neem based insecticide @3ml/l – 1l /ha ➤ Spray with indaxicarb@0.5ml/l -200 ml / ha 	BRG-5/TS-3R	-	UAS(B) and UAS(R)

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
Seeds	5kg	500.00	50	1,80,000	Plant height (cm) No of pods/plant (No.) No of Branches /plant (No.) Test weight (g) Yield (q)	SMS (Agronomy) SMS (Soil Science) SSH
PSB and Rhizobium	1kg	200.00				
Pheromone traps	4No.	500.00				
<i>TrichodermaViridae</i>	50 g	50.00				
Pulse Magic	2kg	500.00				
Profenopous	1 L	700.00				
Chlortraniliprole	60 ml	900.00				
Micro nutrient spray	250ml	200.00				
Safety Kit	1 set	150.00				
Total		3600.00				

Sl.No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.4	Pulses	Bengal gram	<ul style="list-style-type: none"> ➤ Low yield ➤ No seed treatment ➤ Improper nutrient management ➤ No IPM measures 	Variety: JAKI 9218 Technology with cost breakup per ha <ul style="list-style-type: none"> ➤ Use of JAKI 9218 seeds 62.5 kg /ha Seed treatment <ul style="list-style-type: none"> ➤ Bio fertilisers- Rhizobium. 500g/ha ➤ Use of biofungicide trichoderma-2kg/ha ➤ Spray with Chick pea magic @ 3.75kg/ha (10g / l) PP measures <ul style="list-style-type: none"> ➤ Installation of pheromone traps @ 10 No/ha (20 lures) ➤ Spray with profenophos @ 2ml /l – 1.25 l/ha ➤ Spray with Chlortraniliprole @ 0.3 ml /l 	JAKI 9218	-	UAS(B)

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
Seeds	20 kg	1500.00	50	1,80,000.00	Plant height (cm) No of pods/plant (No.) No of Branches /plant (No.) Test weight (g) Yield (q)	SMS (Agronomy) SMS (Soil Science) SSH
PSB and Rhizobium	1kg	100.00				
<i>TrichodermaViridae</i>	50 g	50.00				
Chick pea Magic	1.5kg	450.00				
Pheromone traps and lure	5 No.	500.00				
Profenopous	500ml	350.00				
Chlortraniliprole	30 ml	500.00				
Safety kit	1 set	150.00				
		3600.00				

Sl. No.	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.5	Horticultural crops	Betelvine	<ul style="list-style-type: none"> • Incidence of downey mildew (8%) • Sucking insect damage (15%) • Mealy bug for standard (32%) • Wilt(23%) • Imbalance nutrition (17:17:17 @ 100 g/vine) 	Wilt management in Betelvine ✓ Recommended RDF (50:50:50 g NPK/Vine) ✓ Controlled irrigation ✓ Drenching Copper oxy chloride @ 3 g/l @ lowering of vine ✓ Drenching AMC @ 5 ml/l- Thrice Spraying <i>Verticillium lecanae</i> @ 5 ml /	Nagaveni	--	IIHR, Bengaluru

Name of critical input	Qty per demo	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
Arka Microbial Consortium	2 l	500/-	10	9,500/-	<ul style="list-style-type: none"> • Yield (q/ha) • Percent of Wilt incidence (%) • Incidence of sucking pest (%) 	SMS (Horticulture) SMS (Soil Science) SSH
Verticilliumlecanae	1 l	450/-				
Total		950/-				

Sl. No.	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.6	Horticultural crops	Dolichos Bean	<ul style="list-style-type: none"> • Extensive cultivation of Maize as sole crop • Poor fertility • No crop rotation 	IFLD – Dolichos Bean variety HA 3 in Maize fallow lands <ul style="list-style-type: none"> • Seed rate 20 kg/acre • Seed treatment with <i>Trichoderma harzianum</i> • Use of Vegetable Special @ 5g/l ✓ 	HA -3	--	UHS Bagalkot

Name of critical input	Qty per demo	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
Seeds of HA 3	10 kg	2000/-	10	24750-00	<ul style="list-style-type: none"> • Percent germination • Plant Height (cm) • Number of Pods/plant • Yield (q/ha) 	SMS (Horticulture) SMS (Soil Science) SSH
<i>Trichoderma harzianum</i>	0.5 kg	75/-				
Arka Vegetable Special	1 kg	400/-				
Total		2475/-				

Sl. No.	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.7	Horticultural crops	Onion	<ul style="list-style-type: none"> Lack of suitable varieties for Rabi season Lower yield Incidence of sucking pests like Thrips Purple Blotch High cost on weeding 	<p>FLD – Introduction of Bhima Shakti onion Variety for Rabi season</p> <ul style="list-style-type: none"> ✓ Use of Bhima Shakti variety (10 kg/ha) ✓ Application of gypsum (as source of sulphur) (2.5 q/ha) based on soil test report ✓ Seed treatment with <i>Trichoderma harzianum</i> @ 4 g/kg ✓ Use of post emergent herbicide (Oxyfluorfen 23.5% EC @ 300 g/acre) ✓ Foliar nutrition with Arka Vegetable Special & water soluble fertilizers (30 and 60 DAT) @ 5 g/l ✓ 2 rows of maize as barrier crop to manage adult thrips ✓ Spray with Fipronil @ 1 ml/l to control sucking pest ✓ Spray with Hexaconazole @ 1 ml/l to purple blotch 	Bhima Shakti	--	AICRP on Onion and Garlic, RC, Hiriyur And DOGR, Pune

Name of critical input	Qty per demo	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
Bhima Shakti Seeds	2 kg	5000/-	06	32850/-/-	<ul style="list-style-type: none"> Yield (q/ha) Germination of seed (%) Weight of bulb (g) 	SMS (Horticulture) SMS (Soil Science) SSH
<i>Trichoderma harzianum</i>	0.5 kg	75/-				
Arka vegetable special	2 kg	400/-				
Total		5475/-				

Sl.No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.8	Horticulture	Tomato	<ul style="list-style-type: none"> Improper nutrient management (70:100:40 kg N:P₂O₅:K₂/ha) Boron and Zinc deficiency (20% yield loss) Incidence of sucking pest (20-60% yield loss) 	Integrated Nutrient Management in Tomato <ul style="list-style-type: none"> ✓ Soil test based nutrient application ✓ Application of Arka Microbial Consortium (20 g for seed treatment, 20g/l – drenching 10 DAT, 5kg- Main field along with vermicompost) ✓ Spray of vegetable special @ 5g/l ✓ Spray of calcium nitrate @5g/l ✓ Use of yellow and blue sticky traps @ 25/ha ✓ Use of pheromone traps @ 10/ha ✓ Need based plant protection measures 	--	Private	IIHR, Bengaluru

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
<i>Arka Microbial Consortium</i>	5l	1250.00	10	40000.00	<ul style="list-style-type: none"> No. of fruits/plant Yield (q/ha) 	SMS (SS, Hort, AE)
Vegetable special	4kg	800.00				
Calcium nitrate	2 kg	400.00				
Yellow sticky and blue sticky traps	20	800.00				
Pheromone traps and Lures	4	500.00				
Safety kit	1	250.00				
Total		4000.00				

Sl.No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.9	Horticulture	Chilli	<ul style="list-style-type: none"> • Improper nutrient management • Calcium, Boron and Zinc deficiency • Incidence of sucking pest 	<ul style="list-style-type: none"> ✓ Soil test based nutrient application (RDF 150:75:75 kg N:P₂O₅:K₂O/ha) ✓ Application of Arka Microbial Consortium (10 ml for seed treatment, 10ml/l – drenching 10 DAT, 3 ml- Main field along with vermicompost) ✓ Spray of vegetable special @ 5g/l ✓ Use of yellow and blue sticky traps @ 25/ha ✓ Need based plant protection measures 	--	Sitara	IIHR, Bengaluru

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
Arka Microbial Consortium	5 l	1250.00	10	31,000.00	<ul style="list-style-type: none"> • No. of fruits/plant • Yield (q/ha) 	SMS (SS, Hort, AE)
Vegetable special	4 kg	800.00				
Yellow sticky and blue sticky traps	20	800.00				
Safety kit	1	250.00				
Total		3,100.00				

Sl.No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.10	Horticulture crops	Banana	<ul style="list-style-type: none"> • Improper nutrient management • Deficiency of micronutrients (Zn, B and Fe) 	Micronutrient Management in Banana <ul style="list-style-type: none"> • Soil Test Based Fertilizer Application (RDF 175:105:220 g N:P₂O₅:K₂O/plant) • Sucker Management • Integrated pest and disease management (pseudostem borer and sigatoka leaf spot) • Providing physical support to plants by using polythene tape • Spraying of banana special @ 5 g/litre of water • Spraying of potassium nitrate @ 5 g/litre of water • Bunch feeding (5g urea + 5g SOP + 500 g Cowdung) 	Yelakki	--	IIHR, Bengaluru

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
Banana Special	10 kg	2000.00	10	35,000.00	<ul style="list-style-type: none"> • Bunch weigh t(kg) • Number of hands in bunch (g) • Yield (q/ha) 	SMS (SS, Hort, AE)
Potassium Nitrate	20 kg	1500.00				
Total		3500.00				

Sl.No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.11	Millets	Browntop millet (Korale)	<ul style="list-style-type: none"> • Improper nutrient management • Stem borer • Blast 	Integrated Crop Management in Browntop millet <ul style="list-style-type: none"> • Soil test based fertilizer application • Seed treatment with bio fertilizers <i>Azosprillum</i>, PSB, VAM @ 3 kg • Use of water soluble fertilizers 19:19:19 and 13:0:45 • Micronutrient Mixture @ 5ml/l • Spray chlorpyrifos, 20 EC @2ml/l for stem borer • Spray Carbendazim @ 1g/l for blast 	Local	--	UAS, Bengaluru

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
Seeds	5 kg	500.00	10	16,000.00	<ul style="list-style-type: none"> • Plant height (cm) • Test weight (g) • Yield (q/ha) • Fodder yield (t/ha) 	SMS (SS, Agron, AE)
Biofertilizers	3 kg	300.00				
Potassium Nitrate	2 kg	300.00				
Micronutrient mixture	1 l	500.00				
Total		1600.00				

Sl.No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.12	Horticulture	Ginger	<ul style="list-style-type: none"> • Imbalanced nutrient management • Application of excess P • Deficiency of micronutrient in soil (Zn, B & Fe) • Leaf spot 	<ul style="list-style-type: none"> • Application of soil test based RDF (100:50:50 ; Kg N:P₂O₅:K₂O/ha) along with FYM • Spraying of ginger rich (5 g/l @ 45, 90 and 135 DAS) • Spraying of <i>Pseudomonas florescence</i> @ 5ml/l • Drenching of arka microbial consortium @10ml/l • Need based plant protection measures 	Rio-De-Janeiro	--	IISR, Kozhikode

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
Ginger Rich	4 kg	1000.00	5	27,500.00	<ul style="list-style-type: none"> • Rhizome yield/plant • Yield (t/ha) • Nutrient use efficiency (kg/kg) 	SMS (SS, Hort, AE)
Arka Microbial Consortium	10 l	2500.00				
<i>Pseudomonas florescence</i>	5 l	2000.00				
Total		5,500.00				

Sl. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.13	Livestock	Small ruminants	<ul style="list-style-type: none"> • Lower body weight gain (18-20 kg at maturity) • Sudden mortality • Delayed puberty (Maturity @ 15-18 months) 	Feeding minerals pellets in small ruminants for better performance <ul style="list-style-type: none"> ✓ Balanced feeding based on standards ✓ Timely Deworming & Vaccination ✓ Use of special mineral mixtures (pellets)& liver tonic 	-	Bellaryx	KVAFSU, Bidar

Name of critical input	Qty per demo	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
Fenbendazole (150 mg)	20 No.	100/-	10	14,500/-	<ul style="list-style-type: none"> • Body weight gain (kg) • Mortality rate (%) • Cost of meat production (Rs./kg) 	SMS (Animal Science) SSH SMS (Agri. Extension)
Mineral mixture for sheep & goat (5 g/day/animal)	5 kg	700/-				
Liver tonic (K-Live – 5 ml/day/animal)	5 l	650/-				
Total		1450/-				

Sl. No.	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.14	Fodder	Non-leguminous & leguminous fodders	Low and poor-quality milk yield due to non-availability of good quality fodder crops for feeding dairy animals	Production of HYV of Non-leguminous and leguminous fodder crops	CoFS-31, Lucerne and Hedge lucerne	--	KVAFSU, Bidar

Name of critical input	Qty per demo	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
Multi-cut Fodder Sorghum (CoFS-31)	1 kg.	500	10	12500.00	<ul style="list-style-type: none"> • Fodder yield (t/ha) • Milk fat &SNF • Cost of Feeding (Rs. / day) 	SMS (Animal Science) SSH SMS (Agri. Extension)
Leguminous fodder seeds (Lucerne)	1 kg	700				
Hedge lucerne	250 g	300				
Total		1,250				

Sl. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated (Mass Demonstration)	Name of variety	Name of hybrid	Source of technology
6.15	Livestock	Dairy animals	<ul style="list-style-type: none"> • Shortage of dry fodder • Rejection of dry fodders (wastage) by the animals • 	Enrichment of low-quality feeding stuffs <ul style="list-style-type: none"> ✓ Preparation of Solution for spraying to dry fodders ✓ Dry fodder enrichment 		HFx	KVAFSU, Bidar

Name of critical input	Qty per demo	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
Enzymex powder @ 5 g/kg dry fodder	1 kg	200/-	75	48750	Cost of Feeding (Rs / l) Wastage of dry Fodder (%)	SMS (Animal Science) SSH SMS (Agri. Extension)
Vit ADE3 tonic @ 2 ml/kg fodder	500 ml	450/-				
Total		650 /-	75	48750		

Sl. No.	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated (Mass Demonstration)	Name of variety	Name of hybrid	Source of technology
6.16	Livestock	Small Ruminants	<ul style="list-style-type: none"> • Low body weight gain • Weakness due to Worm infestation 	Total Deworming ✓ Use of Deworming drug (I dose) ✓ Use of deworming drug (II dose)	-	Bellary x	KVAFSU, Bidar

Name of critical input	Qty per demo	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
Deworming Agent (Two doses)	150 mg X 10 for 2 times	100	75	7500	Body weight gain (kg)	SMS (Animal Science) SSH SMS (Agri. Extension)
Total		100	75	7500		

Sl. No.	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.17	Home Science	Nutri gardens	<ul style="list-style-type: none"> Lack of awareness about nutrition & nutri garden Less consumption of vegetables due to high price of vegetables and fruits Lack of awareness on super foods 	Nutri Garden for year round nutritional security among farm families	Lime-Kagzi, Drumstick-PKM-1, Curry leaf-Suhasini, Guava-L14	-	

Name of critical input	Qty per demo	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
Seeds & seedlings (Lime-Kagzi, Drumstick-PKM 1, Papaya-Solo, curry leaf-Suhasini, Guava-Lucknow 14 & Apple Ber). Vegetable seeds (Brinjal. Okra, Beans, Cucumber, Tomato, Chilli, Betroot, Carrot etc.). Leafy vegetables (Amaranth, Palak, Dil, Coriander, Methi, Rajagiri etc.). Bio-fertilisers. Super foods (Chia & Grain Amaranth)	2 units. 200 g. 100 g. 1 kg. 50 g.	1000	50	50000	<ul style="list-style-type: none"> Quantity of vegetables produced (Kg) Economics Percent adequacy of vegetables 	Programme Assistant (Home Science), SMS (Horti. & AE).

Sl. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.18	Home Science	Foxtail millet	<ul style="list-style-type: none"> Reduction in area under cultivation of minor millets. Less market price and less demand in the market. Lack of awareness on consumption of millets. Lack of knowledge on value addition. Lack of awareness on food license, pricing, packing, labeling & marketing. 	Dmonstration of Nutri cereal crop (DHFT-109-03 variety of Foxtail millet) and value addition	DHFT-109-03	-	

Name of critical input	Qty per demo	Cost per demo (Rs.)	No. of demos	Total cost for the demo (Rs.)	Parameters to be studied	Team members
Foxtail millet	3 kg	210	20	4200	<ul style="list-style-type: none"> Grain yield (Qtls./ha.), Market price for whole grain, processed grain and economics. 	Programme Assistant (Home Science), SMS (Agron& AE).

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	Groundnut	OFT/FLD	Improved production technology for higher yield	02	60	SMS (Ag & SS)
		Groundnut	OFT/FLD	Integrated Nutrient management	02	100	SMS (Ag & SS)
		Maize + Redgram	FLD	Importance of seed treatment for higher yield Fall army worm Management	01	25	SMS (Ag & SS)
		Finger millet	FLD	Integrated crop management in Finger millet	1	20	SMS (SS, Ag & AE)
		Redgram	NFSM-FLD	1.Importance of seed treatment in pulses 2.Integrated nutrient management 3.Integrated pest management	03	100	SMS (Ag & SS)
		Bengal gram	NFSM-CFLD	1.Importance of seed treatment in pulses 2.Integrated nutrient management 3.Integrated pest management	03	100	SMS (Ag & SS)
		Browntop millet	FLD	Integrated Crop Management in Browntop millet	1	25	SMS (SS, Agron. And AE)

	Horticulture production						
		Onion	OFT/FLD	ICM in Onion	4	80	SMS(Horticulture) SMS(Soil Science), SMS(Plant Protection)
		Betelvine	FLD	ICM in Betelvine	2	40	SMS(Horticulture) SMS(Soil Science), SMS(Plant Protection)
		Vegetable crops		Production technology of Major vegetable crops	2	50	SMS(Horticulture) SMS(Soil Science), SMS(Plant Protection)
		Dolichos Bean	FLD	ICM in Dolichos Bean	1	20	SMS(Horticulture) SMS(Soil Science), SMS(Plant Protection)
		Arecanut		Recent trends in production technology of Arecanut	2	100	SMS(Horticulture) SMS(Soil Science), SMS(Plant Protection)
		Coconut		Recent trends in production technology of Coconut	2	100	SMS(Horticulture) SMS(Soil Science), SMS(Plant Protection)
		Tomato	FLD	Integrated Nutrient management in Tomato	1	25	SMS (SS, Hort. & AE)
		Chilli	FLD	Integrated Crop management in Chilli	1	25	SMS (SS, Hort. & AE)
		Banana	FLD	Integrated Crop management in banana	1	10	SMS (SS, Hort. & AE)
		Ginger	FLD	Integrated Crop management in banana	1	10	SMS (SS, Hort. & AE)
				Soil health management based on soil analysis report	02	50	SMS (SS & AE)

7.3	Livestock production	Dairy	OFT	Advantages of feeding Non-Protein Nitrogenous substances in reducing the feeding cost in dairy animals.	2	60	SMS (ASc., AE)& SSH
		Dairy	FLD	Importance of colostrum and milk feeding to crossbred female calves	2	60	SMS (ASc., AE)& SSH
		Sheep & Goat	FLD	Effect of total deworming and balanced nutrition in small ruminants	2	50	SMS (ASc., AE)& SSH
		Dairy	OFT &FLD	Balancing the nutrition in cattle based on feeding standards	2	60	SMS (ASc., AE)& SSH
		Poultry rearing	OFT	Performance of different breeds of Local poultry birds in backyard	2	40	SMS (ASc., AE) & SSH
7.4	Home Science	Nutri garden	FLD	Management of nutrigarden	01	50	Programme Assistant (Home Science), SMS (Horti. & AE).
7.7	Soil health and fertility						
7.8	PHT and value addition	Groundnut	OFT	Grading and oil extraction	01	35	SMS (Ag & SS)
	PHT and value addition	Foxtail millet	FLD	Value addition and Marketing in foxtail millet	01	20	Programme Assistant (Home Science), SMS (Agron& AE).
7.9	Capacity building/ group dynamics						
7.10	Farm mechanization	Groundnut	OFT	Mechanized harvesting using stripper	01	30	SMS (Ag & SS)
		Redgram	NFSM-CFLD	Nipping of Redgram	01	25	SMS (Ag & SS)
7.11	Fisheries production technologies						

7.12	Mushroom production	Mushroom	Others	Production & Marketing of mushroom	01	50	Programme Assistant (Home Science), SMS (AE).
7.13	Agro forestry						
7.14	Bee keeping						
7.15	Sericulture						
7.16	Others, pl. specify. Storage pests management	Storage pests	FLD	Management of Storage pests	01	20	SMS (AE, Agron, SS)

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	Vermi compost	Skill	Improved Production technology of vermin compost	01	25	SMS (Ag and AE.)
8.2	Horticulture production						
		Horticulture Nursery Management	Skill Development	Plant propagation and Nursery Management	01	40	SMS(Horticulture) SMS(Soil Science), SMS(Plant Protection)

8.3	Livestock production	Sheep & Goat	EDP	Profitable sheep farming (Stall feeding)	01	25	SMS (ASc., AE & SSH)
		Dairy	Skilled	Dairy Farmer/entrepreneur	01	25	SMS (ASc., AE & SSH)
8.4	Home Science						
8.5	Plant protection						
8.6	Production of inputs at site						
8.7	Soil health and fertility	--	--	Methods of soil testing and maintenance of soil and water testing laboratory	01	20	SMS (SS, Ag & AE)
8.8	PHT and value addition	Millet	ODOP	Value addition and Marketing in millets	02	60	Programme Assistant (Home Science), SMS (Agron& AE).
8.9	Capacity building/ group dynamics						
8.10	Farm mechanization						
8.11	Fisheries production technologies						

8.12	Mushroom production						
8.13	Agro forestry						
8.14	Bee keeping						
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	Improved production technology in Direct Seeded Rice	01	20	SMS (Ag & SS)
		Integrated Crop Management in Maize + Redgram	01	20	SMS (Ag & SS)
9.2	Home Science				
9.3	Capacity building and group dynamics				
9.4	Horticulture				
		New innovative Technologies in Horticulture crop Production	01	50	SMS(Horticulture) SMS(Soil Science), SMS(Plant Protection)
9.5	Livestock production and management				
		New feed resources for animal feeding	01	25	SMS (ASc., AE)& SSH)
9.6	Plant protection				
9.7	Farm mechanization				
9.8	PHT and value addition				

9.9	Production of inputs at site				
9.10	Sericulture				
9.11	Fisheries				
9.12	Other, pl. specify				
	ATMA functionaries	Recent advances in agriculture and horticulture	01	25	SMS (AE, Agron, Horti& SS)

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						

10.5	Livestock production and management						
		Rearing local poultry birds in backyard	01	05	25	--	SMS (ASc., AE& SSH)
10.6	Plant protection						
10.7	Farm mechanization						
10.8	PHT and value addition						
10.9	Production of inputs at site						
10.10	Sericulture						
10.11	Fisheries						
10.12	Other, pl. specify						

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						
11.2	Home Science						
11.3	Capacity building and group Dynamics						
11.4	Horticulture						
		Concepts of organic Farming	02	02	100	Department of Horticulture	SMS(Horticulture) SMS(Soil Science), SMS(Plant Protection)
11.5	Livestock production and management						
		Scientific dairy farming	02	06	80	Zilla Panchayath, Davanagere	SMS (ASc., AE) & SSH)
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						
		Friends of coconut tree	01	25	25	ASCI, New Delhi	SMS (AE)
		Dairy farmer	01	25	25	ASCI, New Delhi	SMS (Animal Science)

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			
12.2	Diagnostic visits			
12.3	Field days			
12.4	Group discussions			
12.5	Kisangosthies			
12.6	Film shows			
12.7	Self -Help Groups (SHGs) meetings			

12.8	KisanMelas			
12.9	Exhibitions			
12.10	Scientists' visit to farmers fields			
12.11	Plant/soil health/animal health camps			
12.12	Farm science club meetings			
12.13	Ex-trainees sammelans (Meetings)			
12.14	Farmers' seminars/workshops			
12.15	Method demonstrations			
12.16	Celebration of important days			
12.17	Special day celebrations			
12.18	Exposure visits			
12.19	Technology week celebration			
12.20	Farmers Field School (FFS)			
12.21	Farm innovators meet			
12.22	Awareness programmes			
12.23	Pre-kharif campaign			
12.24	Pre-rabi/summer campaign			
12.25	Others, pl. specify			

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				
13.1.2	Demonstration units 1. Vermi compost Unit	Vermicompost Production from locally available agril waste	0.01	One	SMS(Agron) and FM

13.1.3	Lab analytical services				
13.1.4	Technology week	Frontline demonstrations Seminars Exhibition	-	01	All team members
13.1.5	Others, Pl. specify				
	Kitchen waste Composting promotional activities	--	--	100 People	SMS (Animal Science)

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 2019-20 (q)	Number planned to be produced during 2019-20	Names of the team members involved
13.2.1	Seeds		Velvet Beans	12	-	SMS (Agronomy) SMS (Horticulture)
13.2.2	Planting material					
			Arecanut	18000	20000	SMS(Horticulture)
			Coconut	7000	10000	SMS(Horticulture)
			Drumstick	25000	30000	SMS(Horticulture)
13.2.3	Bio-products		Vermi icompost	150	--	SMS (Agronomy)
			Earthworms	25 kg	--	SMS (Horticulture)
			Banana Special	3000 kg	5000 kg	SMS(Horticulture)
13.2.4	Livestock strains					
			Male calves	--	2-3 No.	SMS (Animal Science)

13.2.5	Fish fingerlings		Fish fingerlings	--	15000 No.	Senior Scientist and Head
13.2.6	Any other, pl specify	-	Gokrupamrutha	10,000 L	-	SMS (Agronomy)

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		
		01 (Training to agriculture officers and ATMA personnel)	SMS (Agronomy)
	b. Horticulture	4	SMS(Horticulture)
	c. Animal Husbandry	01 (New feed resources for animal feeding)	SMS (Animal Science)
	d. Fisheries		
	e. Agricultural Engineering		
	f. Sericulture		
	g. Others, pl. specify	4	
	1. Recent advances in agriculture and horticulture (ATMA)	01	SMS (AE)
13.3.2	Literature/publication	5	
		01	SMS (Animal Science)
13.3.3	Electronic media		
13.3.4	Kisan mobile advisory services	50	All team members
13.3.5	Information on centre/state sector schemes and service providers in the district (Data may be collected from different agencies).	01	SMS (Agri. Extension)

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.	Integrated Farming System				SMS(Agronomy) and SSH
2.	DAMU				SMS(Agronomy) and SSH
3	National Horticulture Mission	Establishment of Model Nursery	Establishment of Hi tech nursery with good quality planting material	20 lak	SMS(Horticulture) SSH

	Bio-Energy Information and Demonstration Centre	Training and awareness programmes on biofuel production. Bio Seed procurement and production	Awareness programmes-25 nos	600000	Training and awareness programmes on biofuel production. Bio Seed procurement and production

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)

15.2 Plan of activities under revolving fund

Sl.No.	Proposed activities	Expected output	Anticipated income (Rs.)	Names of the team members involved
1	Vermi compost	50 q	75000	SMS (Agronomy)
	Earth Worms	20 kg	8000	
	Farm Yard Manure	25-30 t	75000 to 1,00,000	SMS (Animal Science)
	Milk	3000 l	1,00,000/-	SMS (Animal Science)

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		
16.2	Soiltest using mobile analysis kit		
16.3	Water		
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		
17.2	Creation and maintenance of relevant database system for KVK		
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)

Sl. No	Activities planned	Remarks if any

19. Farmers Field School (FFS) planned

Thematic area	Title of the FFS	Budget proposed in Rs.
IPM	Integrated pest and disease management in Tomato	30000

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 January 2021

				(Rs.)
Sl.No.	Particulars	Sanctioned	Released	Expenditure
21.1	(A). REVENUE (Recurring Contingencies)			
21.1.1	Pay & Allowances			
21.1.2	Traveling allowances			
21.1.3	Contingencies			
21.1.3.a	<i>Stationery, telephone, postage and other expenditure on office running, publication of Newsletter</i>			
21.1.3.b	<i>POL, repair of vehicles, tractor and equipments</i>			
21.1.3.c	<i>Food/refreshment for farmers/extension personnel @ Rs.150/person/day</i>			
21.1.3.d	<i>Training material (need based materials and equipments for conducting the training)</i>			
21.1.3.e	<i>Frontline demonstrations</i>			
21.1.3.f	<i>On farm testing (OFTs)/Technology Assessment</i>			
21.1.3.g	<i>Integrated Farming System (IFS) (Min. 5 Units)</i>			
21.1.3.h	<i>Training of extension functionaries</i>			
21.1.3.i	<i>Extension activities/services</i>			
21.1.3.j	<i>Farmers' Field School</i>			
21.1.3.k	<i>EDP (2 Nos.) / Innovative activities</i>			
21.1.3.l	<i>Soil & water testing & issue of soil health cards</i>			
21.1.3.m	<i>Maintenance of building</i>			
21.1.3.n	<i>Farmers Conclave, KVK Conference</i>			
21.1.3.o	<i>Video production</i>			
21.1.3.p	<i>Library (Purchase of Journals, Periodicals, News Papers & Magazines)</i>			
	Total Recurring			
21.2	(B). CAPITAL (Non-Recurring Contingencies)			
21.2.1	Equipments & Furniture			
21.2.2	Works			
21.2.3	Vehicle			
21.2.3 a	Four wheeler (replacement)			
21.2.4	Library			
	Total Non Recurring			
21.3	(C). REVOLVING FUND			
	GRAND TOTAL (A+B+C)			

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

Sl.No.	Particulars	BE 2021-22 proposed (Rs.)
22.1	(A). REVENUE (Recurring Contingencies)	
21.1.1	Pay & Allowances	
22.1.2	Traveling allowances	
22.1.3	Contingencies	
22.1.3.a	<i>Stationery, telephone, postage and other expenditure on office running, publication of Newsletter</i>	
22.1.3.b	<i>POL, repair of vehicles, tractor and equipments</i>	
22.1.3.c	<i>Food/refreshment for farmers / extension personnel @ Rs.150/person/day</i>	
22.1.3.d	<i>Training material (need based materials and equipments for conducting the training)</i>	
22.1.3.e	<i>Frontline demonstrations</i>	
22.1.3.f	<i>On farm testing (OFTs)/Technology Assessment</i>	
22.1.3.g	<i>Integrated Farming System (IFS) (Min. 5 Units)</i>	
22.1.3.h	<i>Training of extension functionaries</i>	
22.1.3.i	<i>Extension activities/services</i>	
22.1.3.j	<i>Farmers' Field School</i>	
22.1.3.k	<i>EDP (2 Nos.) / innovative activities</i>	
22.1.3.l	<i>Soil &water testing & issue of soil health cards</i>	
22.1.3.m	<i>Maintenance of building</i>	
22.1.3.n	<i>Library (Purchase of Journals, Periodicals, News Papers& Magazines)</i>	
22.1.3.o	<i>Others, pl. specify</i>	
	Total Recurring (A)	
22.2	(B). CAPITAL (Non-Recurring Contingencies)	
22.2.1	Equipments& Furniture	
22.2.2	Works	
22.2.3	Vehicle	
22.2.3.a	Four wheeler (replacement)	
22.2.4	Library	
	Total Non Recurring (B)	
	Grand Total (A + B)	

*.:O:- *