ICAR-TARALABALU KRISHI VIGYAN KENDRA, DAVANAGERE

ACTION PLAN - 2022-23

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 Current pay band	Date of joining	If temporary, pl. indicate the consolidated amount paid (Rs./month)
2.1	Senior Scientist & Head/PC	Dr Devaraja T N	Fishery	37400-67000	17-05-2005	Permanent
2.2	Subject Matter Specialist	Basavanagowda M G	Horticulture	15600-39100	21-11-2006	Permanent
2.3	Subject Matter Specialist	Mallikarjuna B O	Agronomy	15600-39100	09-01-2008	Permanent
2.4	Subject Matter Specialist	Dr G K Jayadevappa	Animal Science	15600-39100	29-01-2008	Permanent
2.5	Subject Matter Specialist	Raghuraja J	Agri. Extension	15600-39100	23-06-2008	Permanent
2.6	Subject Matter Specialist	H.M. Sannagoudra	Soil Science	15600-39100	01-07-2013	Permanent
2.7	Subject Matter Specialist	Dr. Avinash T.G.	Plant Protection	15600-39100	01-09-2021	Permanent
2.8	Programme Assistant (Home Science)	Dr. Supriya P. Patil	(Home Science)	9300-34800	01-09-2021	Permanent
2.9	Programme Assistant (Computer Programmer)	Santhosh B	Computer	9300-34800	05-09-2008	Permanent
2.10	Programme Assistant (Farm Manager)	Vijayakumar S B	Farm Manager	9300-34800	23-06-2008	Permanent
2.11	Accountant	Prabhuprasad N.K.	Assistant	9300-34800	01-11-2021	Permanent
2.12	Stenographer	Mamatha H Melmalagi	Stenographer Gr.III	5200-20200	27-06-2005	Permanent
2.13	Driver 1	Karthik M.	Driver (Jeep)	5200-20200	01-09-2021	Permanent
2.14	Driver 2	S Shivakumar	Driver (Tractor)	5200-20200	01-06-2005	Permanent
2.15	Supporting staff 1	B Shivakumar	Grade-I	5200-20200	01-06-2005	Permanent
2.16	Supporting staff 2	S E Shivakumar	Grade-I	5200-20200	01-06-2005	Permanent

3. Details of SAC meeting conducted during 2021-22

Date	Major recommendations	Status of action taken in brief	Reasons for no actions, if any
23-12-2021 **Time: 10.00 am**	Marketing issues remained unsolved for farmers, existing marketing situations not convenient to farmers. Marketing facility need to be provided within the vicinity of 5-10 km.	On going	
	Value chain for farmers need to be provided		
	Arecanut crop based farming system need to be managed with suitable intercrops (popularized) in rainfed areas under tank command areas.		
	To organize demonstrations/campaigns/awareness programmes on arecanut based cropping system.		
	Important to understand consumer behavior in market. It is high time that farmers should fix price for their produce.		
	Website: Common guidelines for all KVKs. Update KVK website regularly.		
	Give article for 'Negila Miditha' Magazine		
	To take at least 1 adopted village per KVK		
	To use mass media more effectively by sharing short videos (2-3 minutes)		
	To continue terrace garden activities		
	To give technology on arecanut husk		

	decomposition for larger mass.		
	To do programmes on water management and efficient utilization of water.		
	Suggested to continue programmes on Anabe roga in coconut and arecanut.		
	To promote Natural Farming / organic farming, latest research results can be taken up.		
	To promote brown top millet as cow feed.		
	To do Animal Health Campaigns in collaboration with AH & VS.		
	To promote programmes / trainings on organic farming.		
	SAC report should be same as APR period.		
	ATR should be clearly depicted		
	To conduct 2-3 impact studies on KVK technologies, Also, to consider nature of linkages and their impact.		
	To quantify data like percent disease incidence or percent increase in yield		
	Avoid too many items / matters in single PPT		
	NICRA resilient technologies need to be demonstrated in other areas / adjacent villages.		

	II. To be addressed through action plan of KVK		
	Suggested to promote diversification of crops like Horti-Silviculture, Advanced horticulture (Shade home, Polyhouse)		
	To continue nutri-garden progammes.		
	Nano urea experiments are being conducted in UAHS, once the results are available can be promoted in all the crops		
	To promote arecanut based cropping pattern, model developed by AHRs, Kathalagere can be taken.		
	To promote sheep / goat rearing		
	To promote local poultry birds rearing which is profitable		
	To promote sheep rearing which is best suited enterprise for DFI		
	To promote conventional feed source like areca sheets (after use) for cow feed (Powder or block making)		
	To carry forward findings of NICRA project in KVK activities through action plan.		

	III. To be initiated in collaboration with Departments.		
	Model nursery will be sanctioned to KVK under NHM as Krishi Vigyan Kendra has already submitted the proposal.		
	To initiate fisheries activities in farm ponds constructed under different programmes. 1 FPO will be initiated with KVK		
	To promote bamboo in suitable areas. To promote agro forestry especially in dry lands.		
	To do few programmes under Tribal Development Programmes imitated by NABARD, UAHS will be part of it.		
	Value addition and processing units need to be promoted through FPOs. Promoted in UAS, KVK and Government agencies, at least one crop like tomato in district.		
	To take up skill oriented training through ASCI or KSSDC at least 1 training.		
	To establish mushroom hub in Davanagere city as the consumption is 50-60 kg / day		
	To popularize NABARD programmes for value addition and processing.		
	To promote coconut by-products preparation like cocopeat and virgin coconut oil. To promote bio-control agents.		

4. Details of operational areas proposed during 2022-23

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.)*
Bidarakere	Finger Millet	• Low Yield – 28.50 q/ha • Fall Army worm (30%) • Growing of long duration variety • Improper nutrient Management (130:75:20 kg)	220 acres and 73 farmers	FLD ,training , field visit , field day
	Onion	• Reduced yield • Lack of suitable varieties for Kharif season • Incidence of sucking pests like Thrips (46%) • Purple Blotch (38%) • High cost on manual weeding (40% of COP) • Application of excess Nitrogen in the form of DAP (2 q/acre) • Non use of Micronutrients	100	FLD-1, Trainings-3, Extension Activities-5
	Dairying	• Low production • Low quality milk	20	Training programme-2
	Sheep and Goat	• Low meat production	10	Training programme-1
	Sheep and Goat	• Low meat production	30	OFT-1, Trainings -2
	Dairying	• Low milk production • Low quality milk production	10	Training-1
	Poultry	• Low meat production	20	Training-1

Kodaganuru	Chilli	• Imbalanced nutrient management, Low nutrient use efficiency, flowers and fruit dropping, Muruda complex	30 ha	OFT-1, Trainings-1, Extesion activities- 4
	Tomato	• Imbalanced nutrient management, Deficiency of micronutrients, pin worm, late blight	24 ha	FLD-1, Trainings-3, Extension Activities- 5
	Dairying	• Low production • Low quality milk	30	FLD-1, Trainings-2
	Sheep and Goat	• Low meat production	15	Training programme-1
	Cabbage	• Incidence of Aphids and DBM	40.00	FLD
	Tomato	• Reduced Yield • Imbalance nutrient application (NPK-300:200:125 kg/ha) • Non use of Micro nutrients (78%) • Late blight (28%), Tuta pest (16%), Wilt(19%)	30 ha	OFT-1, Training-2, extension activities-4
Bethur	Banana	• Imbalanced nutrient management, Deficiency of micronutrients, Sigatoka leaf spot	10 ha	FLD-1, Trainings-3, Extension Activities- 5
	Dairying	• Low production • Low quality milk	25	Trainings-1
	Sheep and Goat	• Low meat production	10	Training programme-1

Hirekogaluru	Soybean	• Monocropping of maize and arecanut, Low soil organic carbon	80 ha	FLD-1, Trainings-2, Extension Activities- 5
	Maize	• Reduction in Maize yield due to Fall army worm infestation	154.80	FLD
	Paddy	• Incidence of Stemborer and BPH, • Excessive application of the nitrogenous fertilizers (more than 25%)	190.00	FLD
	Mango	• Pests and Nutrient deficiency symptoms	70.00	FLD
Hirekogalur	Maize (Pop corn) + Redgram	• Low yield (2145 kg/ha) • Fall Army worm (40 to 60%) • Sole cropping (80%) • Improper nutrient Management (150:75:8 kg/ha)	68 acres and 39 farmers	FLD ,training , field visit , field day
	Arecanut	• Reduced yield • Indiscriminate use of fertilizers (150:100:100/Plant) • Deficiency of micronutrients -Zn (36%), B (31%) & Fe (15%) • Flood irrigation (32% of area) • Tank silt Application(68% of area)	60	FLD-1, Trainings-3, Extension Activities- 5
	Dairying	• Low production • Low quality milk	20	FLD-1, Trainings-2,
	Sheep and Goat	• Low meat production	15	Training programme-1
Nitturu	Arecanut	• Spindle Bug Infestation in young Arecanut to the extent of 55-60%	74	OFT-1
	Dairying	• Low production • Low quality milk	15	Trainings-1
	Sheep and Goat	• Low meat production	20	FLD-1, Training programme-2

5.Technology assessment during 2022-23

Sl.No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Sourceof technology	Name of critical input	Qty per trial (q)	Cost per trial (Rs.)	No. of trials	Total cost	Sl.No.	Crop/ enterprise
5.1	Chilli	▪ Imbalanced nutrient management (170:100:40 kg $N:P_2O_5:K_2O$ /ha) ▪ Low nutrient use efficiency(40-60 %) ▪ Flower and Fruit dropping ▪ Muruda complex	Effect of Potassium Silicate in Enhancing Productivity of Chilli	**Farmers practice:** 170:100:40 Kg $N:P_2O_5:K_2O$/ha along with FYM	-	-	-	-	5	0.00	• Plant height (cm) • Number of fruits per plant • Yield (q/ha) • Nutrient use efficiency (kg/kg)	SS, Hort, PP, SSH
				Recommended practice: 150:75:75 ; Kg $N:P_2O_5:K_2O$/ha along with FYM	KSNUAHS, Shivamogga	-	-	-	5	0.00		
				Alternate practice 150:75:75 ; Kg $N:P_2O_5:K_2O$/ha along with FYM +Vegetable special @5 g/l +Potassium Silicate @4ml/l	IIHR, Bengaluru	Vegetable Special	2 kg	400	5	7000.00		
						Potassium silicate	1l	1000				

Sl. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Sourceof 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
5.2	Tomato	• Imbalance nutrient application (NPK-300:200:125 kg/ha) • Non use of Micro nutrients (78%) • Late blight (28%), Tuta pest (16%), Wilt(19%)	Assessment of Liquid Seaweed Extract on Growth and Yield of Tomato		-	-	-	-	5	0.00	• Plant height • No. of branches • No. of pods per plant • Test Weight	Hort,SS,PP
				Recommended practice: • Soil Test Based Nutrient Management (NPK-250:250:250 kg/ha) Vegetable special -5g/l @ 45 DAP+ 2 sprays at 15 days Interval	KSNUAHS, Shivamogga	Arka Vegetable special	3 kg	1200	05	6000.00	• Yield (q/ha) • Plant Height (cm) • No. of fruits/plant • Incidence of late blight(%) • Sucking insect damage(%) • B:C ratio	
				Alternate practice • Soil test based nutrient Management (NPK-250:250:250 kg/ha) Liquid seaweed extract 5 % foliar spray at 7 days after flowering	Council of Scientific and Industrial Research, Central Salt and Marine chemical Research institute (CSIR-CSMCRI, Bhavanagar)		3l	900.00	5	4500.00		

Sl. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Sourceof 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
5.3	Arecanut	Spindle Bug Infestation in young Arecanut plants	Assessment of Spindle Bug Management in Arecanut	Farmers Practice	Farmers Practice	-	-		5		Pre count of spindle bugs Post count of spindle bugs @ 7 days after spray	PP, Hort. SSH
				CPCRI Kasargod- Spraying of Thiamethoxam 25% WG @ 0.25 g per l of water to the spindle leaf and inner most leaf axils	CPCRI-Kasargod	Thiamethoxam	100 g	220	5	1100		
				Spraying of Profenophos 50% EC @ 2 ml per l of water to the spindle leaf and inner most leaf axils	KSNUAHS Shivamogga (AICRP-Arecanut)	Profenophos	500 ml	480	5	2400		
				Spraying of Fish Oil Rosin Soap at 5 ml per l of water+ Neem oil 1 % @ 2 ml/l	TNAU-Coimbatore	Fish Oil Rosin Soap+ Neem oil	1000 ml 400 ml	500 400	5	2500 2000		

5.4	Sheep and Goat	Low body weight gain and disease susceptibility	Management practices for economic meat production in lambs.	T.1-Feeding mothers milk	Farmer	T1-Nil			05	15000.00	Body Weight gain in 60 days (kg) Lamb Mortality (%) Cost of Meat Production Rs. / kg	ASc Agri. Ext. SS&H
				T_2-Feeding mother's milk + Cows milk or milk mixture @ 100 ml per kg body weight per day for 60 day in 3 doses)	KVAFSU, Bidar	T2-Cow's milk	21 l	3100.00				
				T_3-Feeding Mother's milk + Feeding milk Replacer Supplement @ 40 g per day per lamb for 60 days.	NIANP, Bengaluru	T3-Milk Replacer	12 kg	3000.00				

6.Frontline demonstrations during 2022-23

Sl.No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.1	Cereals	Paddy	Reduction in yield and More production cost	**Integrated Crop Management in Paddy.** Seed rate @ 62 kg/ha, Application of Green leaf manuring @ 5 t/ha and FYM @ 10 t/ha. Application of recommended dose of fertilizer 100:50:50 kg/ha. Seed treatment or seedling dip with Azospirillum @ 1 Kg /ha and 2 kg/ha for main field application. Clipping of seedlings tip before transplanting Leaving one line spacing for every 8-10 feet Release of *Thrichogrammachillonis* thrice on 37,44 and 51 DAT @ 1,25,000/ha/release Setting of Pheromone traps @ 20/ acre (changing the lure @ 15-20 days) for mass trapping of stem borer. Spraying of Neem oil formulation 5 ml/l (Spray based on infestation) Spraying of Thiomethoxam 25% WG @ 0.7 g/l for BPH management Spraying of Chlorontraniliprole 0.4 % GR @ 10 kg /ha. for Stem borer management Spraying of Tricyclazole 75%WP@ 0.6 g/l for blast management Streptocyclin @ 0.5 g/l. RDF 100:50:50 N,P_2,O_5 and K_2O Kg/ha $ZnSO_4$ -20 Kg COC @ 2g/l, triflumezopyrim 10 % sc @	RNR	-	KSNUAHS Technologies

				0.4 ml/l.			

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
Azospirillum Installation of Pheromone traps with lure *Trichogrammachillonis* Neem oil Nano Urea	1.2 kg 5 No. 5 No. 1 l 1 l	200 500 300 400 500	20	38000	Plant height (cm) No. tillers/hill Test weight (g) % incidence of pests Yield (q/ha)	PP, SS, Agro,

Sl.No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.2		Maize	• Reduction in yield due to incidence of FAW	**Integrated Management of FAW in Maize.** • Seed rate 6 kg / acre RDF 60:30:15 • Seed treatment with Azosprillum and P-Solublzing bacteria at 200 g/acre. • Installation of Pheromone traps at 10/acre • Release of egg parasitoids *T. Protisum* (Two release) 50,000/acre • Spraying of *M. releyi* @ 3 g/l • Spraying of Azadirachtin 1500 ppm @ 3 ml/l • Spraying of Emamectin benzoate @ 0.4 g/l		NK7218	NBAIR-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
Pheromone traps	10	700	10 (4 ha)	15,750	% incidence of FAW	PP, Agro, SS&AC
T. Protisum	50000	400			No. of seeds per row	
M. releyi	500	75			Test Weight (g)	
Azadirachtin	350	400			Yield (q/ha)	

Sl.No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid
6.3	Cereals	Maize (Pop Corn)	• Reduction in yield (2145 kg/ha) • Fall Army worm (40 to 60%) • Sole cropping (80%) • Improper nutrient Management (150:75:8 kg/ha)	**Title : Popcorn + Redgram (TS-3R) (8:1) as intercrop in rainfed farming** ➢ Seed rate 15 kg/ha , Spacing of 30 X 15 cm for Pop Corn (duration 100-110 days) ➢ Seed treatment with Imidacloprid @ 2g/kg of seed ➢ Recommended dose of Fertilizers (150 : 75 : 40 NPK kg /ha) and Zinc Sulphate-10 kg/ha ➢ Redgram as a Intercrop (1:8) Use of bio fertilizers *Azosprillium*, PSB, *Rhizobium*, PSB 1 kg each and *Trichoderma viridae* @ 2g/kg of Seed, Maize - Management (Spray with Chloropyrifos @ 2ml/l (Stem Borer) and Mancozeb-2.5g/L (Downey mildew) ➢ Installation of pheromone traps @ 12 no/ha (24 lures)- Fall Army worm (*Spodoptera frugiperde)- 8 days after Sowing* ,Spray with water soluble fertilizers Micro nutrient (1l) @5ml/ and Macro nutrient @ 5g/l of water ➢ Use of Pulse Magic 5g/l of water and 0.4 g/l PGR and Mechanical Nipping ➢ Pod borer- Spraying of Chlorantraniliprole @ 150 ml / ha (0.3 ml/l of water)/Emamectin Benzoate 0.3g/l of water	Redgram -TS3R	-

Source of technology	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
KSNUAHS, Shivamoga	• Redgram Seeds (TS-3R) • *Azosprillium,* PSB, *Rhizobium* • Pheromone traps for FAW in Maize • Nano urea • Pheromone traps and Lures Pod borer in redgram • Pulse Magic	2kg 3kg 5 and10 Numbers 1l 3 and 6 Numbers 2kg	1940	25	48500.00	• Maize Crop Equivalent Yield (q/ha) • Incidence of Fall army worm (%) • Plant height (cm) Redgram • No of Pods/plant • Test weight (g) Redgram • Pod borer Incidence (%)	SMS(Agronomy). SMS(Soil Science), SMSPP) SMS(Extn.) and SSH

Sl.No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid
6.4	Cereals	Finger Millet	• Low Yield – 28.50 q/ha • Fall Army worm (30%) • Growing of long duration variety • Improper nutrient Management • (130:75:20 kg)	**Title: Integrated Crop Management in summer Finger millet (ML-365/ ML-328).** ➢ Spacing 30cm between rows, Seed rate 12 kg /ha (ML-365) – Medium duration variety (110 days ➢ Seed treatment of Bio (*Azosprillium* and PSB @ 500g/ha each) ➢ RDF: 100: 50 :50 NPK kg/ha and FYM 10 t/ha ➢ Installation of pheromone traps @ 12 no/ha (24 lures)- Fall Army worm (*Spodoptera frugiperde)*- 8 days after Sowing , ➢ Application of Micronutrient Mixture (10 kg/ha) (Fe and Zn) ➢ Spraying of Macro nutrient 5g/l of water (5kg/ha)- 2 sprays (13:00:45) ➢ Mechanical harvesting, Bale making of the Fodder	ML-365/ ML-328	-

Source of technology	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
KSNUAHS, Shivamoga	• Seeds • *Azosprillium,* PSB, • Macro Nutrient Mixture – Spraying of Potassium Nitrate @ 5 g/l • Application of the Micro nutrient (Fe and Zn)	5kg 2kg 2kg 5kg	1,210	25	30,250.00	•Crop Yield (q/ha) •Plant height (cm) •No. of Fingers/head •Test weight (g) •Incidence of FAW (%) •Fodder Yield (t/ha)	SMS(Agronomy). SMS(Soil Science), SMS(PP)SMS(Extn.) and SSH

Sl.No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.5	Horticultural crops	Mango	Reduction in yield (20%)	Integrated Crop Management in Mango. Installation of Pheromone traps @ 10 per ha. to mass trapping of fruit flies Spraying of Mango special @ 5 g /l at 4 times during September, October, November and December. Spraying of 13: 00:45 @ 5 g /l at 15 DAF Spraying of Azadirachtin @ 5 ml per l for management of leafhopper Spraying of Imidacloprid 17.8 SC @ 0.25 ml/ l for management of leaf hopper Spraying of Hexaconazole 5 % E C @ 1 ml/l for management of Powdery mildew	Alphonso	-	IIHR and KSNUAHS, Shivamogga TECHNOLOGIES

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
Mango special	6 kg	1,200	10	23,000	% incidence of leaf hopper % incidence of fruit fly % incidence of powdery mildew Average weight of fruit Yield (q/ha)	PP, SS, Agronomy
Azadirachtin	11	600				
Installation of pheromone traps with lure	5 no	500				

Sl.No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.6	Horticultural crops 2	Cabbage	Reduction in yield (32-37%)	**Integrated Crop Management in Cabbage.** ArkaNeem seed powder pellet formulation (30 g/l) @ 15, 30, 50 DAT depending on the incidence of Aphids and DBM. 15 days after transplanting of Cabbage sowing of mustard as a trap crop at 25:1 rows Spraying of 5% NSKE @ 3 ml per lit Application of Lecanicilliumlecanii (VI-8) @ 5 ml/ l during 25 DAT and 45 DAT Vegetable Special @ 5 g / l @ 30 DAT and 55 DAT Placing the Bird perches @ 10 per acre Cyantraniliprole 10.26 % OD @ 1ml/l	Indu Seminis	-	IIHR

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
Lecanicilliumlecanii	21	800	10 (4 ha.)	55,000	% Reduction of Aphids and DBM. % incidence of black rot Average weight of head Yield (q/ha)	PP, SS& AC, Agron
Arka Neem seed powder pellet formulation	15 kg	3,900				
Arka vegetable special	4 kg	800				

Sl. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.7	Horticultural crops	Arecanut	• Indiscriminate use of fertilizers (150:100:100/Plant) • Deficiency of micronutrients -Zn (36%), B (31%) & Fe (15%) • Flood irrigation (32% of area) • Tank silt Application(68% of area)	**Integrated Crop Management in Arecanut** • Green manuring with Mucuna (Velvet bean) • RDF(100:40:140g NPK/palm) • *Trichoderma* enriched organic manure @ 20 kg/palm • Carbendazim+Mancozeb @ 2g/l (Inflorescence die back) • Micronutrient mixture @ 50 g/palm	Channagiri Local		AICRP Arecanut, KSNUAHS Shivamogga

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
Trichodermaharzianum	2l	600	25	37,500.00	• Soil test before and after • % incidence hidimundige • % Nut splitting and dropping • Yield (q/ha)	SS, Hort. PP
Mucuna	5 kg	900				

6.8	Horticultural crops	Onion	• Lack of suitable varieties for Kharif season • Incidence of sucking pests like Thrips (46%) • Purple Blotch (38%) • High cost on manual weeding (40% of COP) • Application of excess Nitrogen in the form of DAP (2 q/acre) • Non use of Micronutrients	**Demonstration of Bhima Super Onion Variety for *Karif* season.** • Bhima Super variety (10 kg/ha) • Gypsum (as source of sulphur) @ 2.5 q/ha • Seed treatment with *Trichodermaharzianum* @ 4 g/kg • RDF-125:75:125 kg/ha • Post emergent herbicide (Oxyfluorfen 23.5% EC @ 300 g/acre) • Foliar nutrition with Arka Vegetable Special & Water soluble fertilizers 0:0:50 (30 and 60 DAT) @ 5 g/l • 2 rows of maize as barrier crop (Adult Thrips) • Fipronil @ 1 ml/l (Thrips) • Hexaconazole @ 1 ml/l (Purple blotch)	Bhima Super	-	AICRP on Onion and Garlic, RC, Hiriyur

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
Bhima Super Seeds	4 kg	14,000.00	5	74,750.00	• Yield (q/ha) • Seed germination (%) • Weight of bulb (g) • Incidence of purple blotch(%) • Incidence of sucking insects(%)	SS, Hort, PP
Trichodermaharzianum	1 kg	150.00				
Arka Vegetable special	4 kg	800.00				

6.9		Onion	• Lack of suitable varieties for Rabi season • Incidence of sucking pests like Thrips (46%) • Purple Blotch (38%) • High cost on manual weeding (40% of COP) • Application of excess Nitrogen in the form of DAP (2 q/acre) • Non use of Micronutrients	**Demonstration on Bhima Shakti Onion Variety for Rabi Season.** • BhimaShakti variety (10 kg/ha) • Gypsum (as source of sulphur) @ 2.5 q/ha • Seed treatment with *Trichodermaharzianum* @ 4 g/kg • RDF-125:75:125 kg/ha • Post emergent herbicide (Oxyfluorfen 23.5% EC @ 300 g/acre) • Foliar nutrition with Arka Vegetable Special & Water soluble fertilizers 0:0:50 (30 and 60 DAT) @ 5 g/l • 2 rows of maize as barrier crop (Adult Thrips) • Fipronil @ 1 ml/l (Thrips) • Hexaconazole @ 1 ml/l (Purple blotch)	Bhima Shakti	-	AICRP on Onion and Garlic, RC, Hiriyur

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
Bhima Shakti Seeds	4 kg	14000.00	5	74750.00	• Yield (q/ha) • Seed germination (%) • Weight of bulb (g) • Incidence of purple blotch(%) • Incidence of sucking insects(%)	SS, Hort, PP
Trichodermaharzianum	1 kg	150.00				
Arka Vegetable special	4 kg	800.00				

Sl.No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.10	Oilseeds	Soybean	• Monocropping of maize and arecanut (85ha) • Low soil organic carbon (0.43%)	**Integrated Crop Management in Soybean.** • Introduction of variety, DSb-21, 62.5 kg/ha • Seed treatment with biofertilizers (Rhizobium and PSB): Both 500 g/ha • Soil test based fertilizer application : 30:80:40 kg N:P_2O_5:K_2O/ha • Application of zinc sulphate : 12.5 kg/ha • Spraying of pulse magic @10g/l • Installation of pheromone trap and yellow sticky traps • Need based plant protection measures	DSb-21	-	UAS, Dharwad

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	25 kg	3,125	10	38,250	• Plant height (cm) • Number of pods/plant • Test weight (g) • Yield (q/ha)	SS, Agro, AE, PP and SSH
Biofertilizers	1 kg	200				
Pulse Magic	2 kg	500				

Sl. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.11	Horticultural crops	Tomato	• Imbalanced nutrient management (300:280:130 kg $N:P_2O_5:K_2O$/ha) • Calcium deficiency (33%) • Deficiency of micronutrient in soil Zn (36%), B (31%) & Fe (15%)	**Integrated Crop Management in Tomato** • Soil test based nutrient application (RDF 250:250:250 kg $N:P_2O_5:K_2O$/ha) • Use of Marigold as a trap crop (16:1) • Application of Arka Microbial Consortium (20 ml/l – drenching 10 DAT) • Spray of vegetable special @ 5g/l • Spray of calcium nitrate @5g/l • Use of yellow and blue sticky traps @ 50/ha • Use of pheromone traps (*Tuta absoluta*) @ 10/ha • Ned based plant protection measures	-	Shivam (Hyveg)	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	5l	1,250	10	40,000.00	• No. of fruits/plant • Weight of fruit (g) • Incidence of LB and *Tuta absoluta* (%) • Yield (q/ha)	SS, Hort. PP
Vegetable special	4 kg	800				
Calcium nitrate	2 kg	400				
Yellow sticky and blue sticky traps	20	800				
Pheromone traps	4	500				
Safety kit	1	250				

Sl. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.12	Horticultural crops	Banana	• Improper nutrient management (210:185:120 g $N:P_2O_5:K_2O$/plant) • Deficiency of micronutrients -Zn (36%), B (31%) & Fe (15%) • No use of micronutrient fertilizes	**Micro Nutrient in Banana**. • Soil Test Based Fertilizer Application (RDF 175:105:220 g $N:P_2O_5:K_2O$/plant) • Sucker Management • Providing physical support to plants by using polythene tape • Spraying of banana special @ 5 g/l of water • Spraying of potassium nitrate @ 5 g/l of water • Spraying of Propiconazole 1ml/l of water	Yalakki	-	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
Banana Special	10 kg	2,000.00	10	35,000.00	• Bunch weigh t(kg) • Number of hands in bunch • Incidence of sigatoka leaf spot Yield (q/ha)	SS, Hort, PP
Potassium Nitrate	10 kg	1,500.00				

Sl.No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.13	Horticulture	Nuti-Garden	Malnutrition among farm families	**Nutri-Garden for year round nutritional security of farm families.** AICRP Scientific Nutri garden Model	-	-	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
Seed kit (Tomato, Chilli, Beans,Okra, Cluster beans, Amaranths, Coriander, Fenugreek , Palak, Brinjal, Cabbage, Sponge gourd, Avare, Bottle gourd)	1	150	30	40,500	• Vegetable production (kg)/month • Vegetable Consumption (g)/ month • Per day availability of vegetables (g) • Body Mass Index (BMI) • Hemoglobin (g/dl) • B:C Ratio	HSc., Horti & SSH
Seedlings- Curry leaves, Drumstick, Papaya, Guava and lime	5 plants	500				
Neem Seed Kernal Extract	1kg	100				
Neem oil	0.5 L	300				
Yellow Sticky traps	4 No.	100				
Compost Culture	1 kg	200				
Total		**1,350**				

Sl.No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.14	Others	Multi-grain Supplementary food	Malnutrion among infants	**Roasted Multi-grain Supplementary food for pre-school kids**	-	-	UAS, Dharwad

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
Sorghum, Finger Millet, Rice, Green gram, Soybean, Groundnut and amaranth leaves	500 gm each	1,500	10	15000	• Height (cm) • Weight (kg) • Mid Upper Arm Circumference	HSc. & SSH
Total		1,500				

Sl. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.15	Livestock	Small ruminants	• 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** ✓ 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
Dewormer for 2 times (150 mg x 20)	20 No.	100/-	10	14,000/-	• 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 x 1	650/-				
Liver tonic (K-Live – 5 ml/day/animal)	5 l x 1	650/-				
	Total	**1,400/-**				

Sl. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.16	**Fodder**	Non-leguminous & leguminous fodders	Low and poor-quality milk yield due to non-availability of good quality fodder crops for feeding dairy animals	**Demonstration of mixed fodder crops for profitable Dairy Farming.** Production of HYV of Non-leguminous and leguminous fodder crops	CoFS-31, Lucerne and *Sesbenia spp*	--	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.	750	10	17,000.00	• 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	850				
Sesbenia spp	100 g	100				
	Total	**1,700**				

Sl. No.	Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Name of variety	Name of hybrid	Source of technology
6.17	Livestock	Dairy animals	• Shortage of dry fodder • Rejection of dry fodders (wastage) by the animals • Low production • Infertility / Repeat breeding	Integrated management of Dairy Animals.	-	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	300	10	25,100.00	Milk Yield per Lactation (l) Milk Quality (CLR) Cost of milk production (Rs/ l) AI / AIs for conception (Nos)	SMS (Animal Science) SSH SMS (Agri. Extension)
Vit ADE3 tonic @ 2 ml/kg fodder	500 ml	450				
Deworming Drug	3g x1	60				
Area Specific Mineral Mixture	5 kg x 1	850				
Silage making kit	200 l drum x 1	850				
	Total	**2,510**	**10**	**25,100.00**		

7. Training for farmers/ farm women during 2022-23

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
1	Crop production	Finger Millet	FLD	Seed treatment in finger millet	1	25	SMS (Agronomy) SMS (Plant Protection)
		Finger Millet	FLD	Integrated Nutrient Management in finger millet	1	25	SMS (Agronomy) SMS (Plant Protection)
		Redgram	FLD	Seed treatment in with bio-fertilizers in Redgram	1	25	SMS (Agronomy) SMS (Plant Protection)
		Maize	FLD	Integrated Nutrient Management in Maize	1	25	SMS (Agronomy) SMS (Plant Protection)
		Popcorn	FLD	Integrated Nutrient Management in Popcorn	1	25	SMS (Agronomy) SMS (Plant Protection)
		Bengalgram	FLD	Seed treatment in Bengalgram	1	25	SMS (Agronomy) SMS (Plant Protection)
		Bengalgram	FLD	Pest Management in Bengalgram	1	25	SMS (Agronomy) SMS (Plant Protection)
		Soyabean	FLD	Advanced production technologies of Soyabean Production	1	25	SMS (Soil Science) SMS (Agronomy) SMS (Plant Protection)
		Redgram and Bengalgram	FLD	Nutrient Management in Pulses (Redgram and Bengalgram)	1	30	SMS (Agronomy) SMS (Plant Protection) SMS (Agri. Extension)
		Chilli	OFT	Role of silicon in Chilli production	1	20	SMS (Soil Science) SMS (Horticulture) SMS (Plant Protection)
		Banana	FLD	Integrated Nutrient Management in Banana	2	40	SMS (Soil Science) SMS (Horticulture) SMS (Plant Protection)
		Tomato	FLD	Integrated Crop Management in Tomato	2	40	SMS (Soil Science) SMS (Horticulture) SMS (Plant Protection)

2	Plant Protection	Maize	OFT	Integrated Management of FAW in Maize	02	40	SMS (Plant Protection) SMS (Agronomy)
		Bengalgram	OFT	Integrated Pest and Diseases Management in Bengalgram	02	40	SMS (Plant Protection) SMS (Agronomy)
		Coconut	FLD	Pests and Disease Management in Coconut	02	35	SMS (Plant Protection) SMS (Agronomy)
3	Horticulture production	Onion	FLD	Integrated Crop Management in Onion	4	80	SMS (Horticulture) SMS (Soil Science) SMS (Plant Protection)
		Horticulture crops	Others	Importance of Natural Farming	2	40	SMS (Horticulture) SMS (Soil Science) SMS (Plant Protection)
		Vegetable crops	OFT	Production technology of Major vegetable crops	2	50	SMS (Horticulture) SMS (Soil Science) SMS (Plant Protection)
		Arecanut	FLD	Recent trends in production technology of Arecanut	2	100	SMS (Horticulture) SMS (Soil Science) SMS (Plant Protection)
		Coconut	Others	Recent trends in production technology of Coconut	2	100	SMS (Horticulture) SMS (Soil Science) SMS (Plant Protection)
		Horticulture Crops	Others	Methods of Organic farming	2	100	SMS (Horticulture) SMS (Soil Science)
		Teracegarden	Others	Terrace garden and kitchen garden	5	200	SMS (Horticulture) Home Science
		Arecanut	Others	Intercrops in Arecanut	2	80	SMS (Horticulture)

4	Livestock production	Poultry rearing	Others (Training)	Rearing Local Poultry birds under IFS	02	40	SMS (Animal Science and Agri. Extension) Senior Scientist Cum Head
		Dairying	FLD	Integrated Management of Dairy Animals	02	50	SMS (Animal Science and Agri. Extension) Senior Scientist Cum Head
		Fodder	FLD	Cultivation of high yielding varieties ;of Fodder crops and their nutritive value	02	50	SMS (Animal Science and Agri. Extension) Senior Scientist Cum Head
		Small Ruminants	FLD	Balanced Feeding and Total Deworming in Small Ruminants for better quality meat production	02	50	SMS (Animal Science and Agri. Extension) Senior Scientist Cum Head
5.	Home Science	Millets	Others	Importance of Value Addition of Millets for additional income	02	40	Home Science
				Training on Foxtail Millet based Diabetic Health Mix	01	30	Home Science
		Nutrigarden	FLD	Awareness and Importance of Nutri-garden	03	75	Home Science
		Foxtail Diabetic Health Mix	FLD	Preparation of Diabetic Health Mix	01	30	Home Science
		Multi-grain Supplementary food	FLD	Preparation of multi-grain supplementary food for infants	01	30	Home Science
6.	Soil Health and Fertility	All Crops	Others	Importance of Soil Testing	03	120	SMS (Soil Science) SMS (Agri. Extension) SMS Animal Science) SMS (Horticulture) SMS (Plant Protection)
7.	PHT and value addition	Banana	EDP	Preparation of Bakahu and its value addition	02	20	Home Science
8.	PHT and value addition	Banana	EDP	Preparation of BaKaHu and its value added products	03	120	HSc. & Horti

9.	Capacity building/ group dynamics	Banana	Others	Preparation of BaKaSha and its value added products	01	30	HSc. & Horti
10.	Farm mechanization						
11.	Fisheries production technologies	Fish Marketing	EDP	Live fish marketing technology	1	10	Senior Scientist Cum Head SMS (Agri. Extension)
		Fish fingerlings	EDP	Fish seed rearing in farm ponds	1	10	Senior Scientist Cum Head SMS (Agri. Extension)
12.	Mushroom production						
13	Agro forestry						
14	Bee keeping						
15	Sericulture						
	Others, pl. specify. Water management	Arecanut	Others	Efficient Utilization of water	2	100	SMS (Agronomy) SMS (Horticulture) SMS (Agri. Extension)

8. Training for rural youth during

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
1		Horticulture Nursery Management	Skill Development	Plant propagation and Nursery Management	01	40	SMS (Horticulture) SMS (Soil Science) SMS (Plant Protection)
2	Livestock production						
		Dairying	Sill Development	Integrated Management of Dairy Animals for Doubling the Farmers Income	01	25	SMS (Animal Science) SMS (Agri. Extension) Senior Scientist Cum Head
3	Home Science						
4	Plant protection						
5	Production of inputs at site						
6	Soil health and fertility						
7	PHT and value addition						
8	Capacity building/ group dynamics						
9	Farm mechanization	Paddy	Skill Development	Mechanized Production System in Paddy	1	30	SMS (Agronomy)

10	Fisheries production technologies						
11	Mushroom production						
12	Agro forestry						
13	Bee keeping	Bee Keeping	Others	Apiary	1	25	SMS (Plant Protection) SMS (Horticulture)
14	Sericulture						
15	Others, pl. specify						

9. Training for extension personnel during 2022-23

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	Recent production technology of pulses	1	25	SMS (Agronomy) SMS (Agri. Extension) SMS (Soil Science) SMS (Plant Protection)
9.2	Home Science	Dietary habits of pregnant women and adolescent girls to control Anemia	1	50	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	Prevention and control of Blue tongue in Sheep	01	40	SMS (Animal Science) SMS (Agri. Extension) Senior Scientist Cum Head
9.6	Plant protection				
	(Paddy)	Integrated Pest and Diseases Management in Paddy	1	25	SMS (Plant Protection) SMS (Agronomy)
9.7	Farm mechanization				
9.8	PHT and value addition				
9.9	Production of inputs at site				
9.10	Sericulture	Integrated Nutrient Management in Mulberry Production	01	50	SMS (Soil Science)
9.11	Fisheries				
9.12	Other, pl. specify				
	ATMA functionaries	Recent advances in Agri. sector	1	25	All Staff

10.Vocational trainings during 2022-23

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	Hygienic and quality meat production from small Ruminants	01	5 days	30	Dept. of AH and VS and FPOs	SMS (Animal Science) SMS (Agri. Extension) and Senior Scientist Cum Head
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 2022-23

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	Kitchen Garden	3	1	200	Department of Horticulture	SMS (Horticulture)

11.5	Livestock production and management	Scientific Dairy Farming and Vermicompost Production	1	5	30	Zilla Panchayat	SMS (Animal Science SMS (Agri. Extension) Senior Scientist Cum Head
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						

12. Extension activities during 2022-23

Sl.No.	Extension activity	No. of activities	Targeted number of participants	Names of the team members involved
12.1	Advisory services	1900	2100	All Staff
12.2	Diagnostic visits	22	155	
12.3	Field days	20	3800	
12.4	Group discussions	10	200	
12.5	Kisan gosthies	03	600	
12.6	Film shows	12	600	
12.7	Self -Help Groups (SHGs) meetings			
12.8	Kisan Melas	03		
12.9	Exhibitions	05		
12.10	Scientists' visit to farmers fields	180	3500	
12.11	Soil Health / animal health camps	03+03	500 samples + 400 animals	
12.12	Plant/soil health/animal health camps			
12.13	Farm science club meetings			
12.14	Ex-trainees sammelans (Meetings)	01	40	
12.15	Farmers' seminars/workshops	06	300	
12.16	Method demonstrations	22	550	
12.17	Celebration of important days	04	300	
12.18	Special day celebrations	10	2000	
12.19	Exposure visits	01	50	
12.20	Technology week celebration	01	1000	
12.21	Farmers Field School (FFS)	01	25	
12.22	Farm innovators meet			
12.23	Awareness programmes	04	280	
12.24	Bimonthly Meetings	06	450	
12.25	Guest lecture	95	6500	
12.26	Popular article	12		
12.27	News paper Coverage	75		
12.28	Swachha Bharath Campaigns	10		
12.29	Radio Talk	15		
12.30	TV Talk	10		
12.31	Pre-kharif campaign			
12.32	Pre-rabi/summer campaign			
	Total	**2,434**	**23,350**	

13. Activities proposed as knowledge and resource centre during 2022-23

13.1 Technological knowledge

Sl. No.	Category	Details of technologies	Area (ha)	Number	Names of the team members involved
1	Natural Farming	Training and Awareness Programme		10 (1200 farmers)	SMS (Horticulture) SMS (Plant Protection) SMS (Agri. Extension) SS&H
2	Organic Farming	Training and Awareness Programme		5 (700 farmers)	All Staff
3	Technology Week	FLDs Seminars Exhibition		1 (2000 farmers)	All Staff
4	FPO	FPO Capacity Building		10 (750 Participants)	All Staff
5	Kitchen Garden	Training		5 (1000 (Participants)	SMS (Horticulture) Home Scientist

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 2022-23 (q)	Number planned to be produced during 2022-23	Names of the team members involved
	Seeds		Velvet Bean	10q	-	Farm Manager SMS (Agronomy)
	Planting material		Arecanut		6,000 No.	Farm Manager SMS (Horticulture)
			Coconut		5000 No.	Farm Manager SMS (Horticulture)
			Drumstick		10,000 No.	Farm Manager SMS (Horticulture)
	Bio-products		Vermicompost	60 q		Farm Manager SMS (Agronomy)
			Azolla	7-8 q (700-800 kgs)	-	SMS (Animal Science)

	Livestock strains					
	Fish fingerlings					
	Any other, pl specify					

13.3 Technological information

Sl. No	Category	Technological capsules/lectures/number	Names of the team members involved
13.3.1	Technology backstopping to line departments		
	a. Agriculture	1 (ATMA Personnel)	All Staff
	b. Horticulture	1 (Training to AHO and HA)	SMS (Horticulture)
	c. Animal Husbandry	1 (AH and VS Personnel)	SMS (ASc)
	d. Fisheries	1 (Department of Fisheries)	
	e. Agricultural Engineering		
	f. Sericulture		
	g. Others, pl. specify		
13.3.2	Literature/publication	10 (Folders)	
13.3.3	Electronic media	2	
13.3.4	Kisan mobile advisory services	100	
13.3.5	Information on centre/state sector schemes and service providers in the district (Data may be collected from different agencies).	01	

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	2000000	SMS(Horticulture) SSH
4	Bio-Energy Information and Demonstration Centre	Training and awareness programmes on biofuel production. Bio Seed procurement and production	Awareness programmes-25 nos	200000	Training and awareness programmes on biofuel production. Bio Seed procurement and production
5	Innovative programme	Seminar on Alternative Marketing for FPOs and Farmers	20 FPOs & 100 farmers	155000	

15. Revolving fund

15.1Financial 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)
14.45	**39.35**	**46.35**	**9.23**	**17.87**

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)
2	Earth Worms	20 kg	8000	
3	Farm Yard Manure	25-30 t	75000 to 1,00,000	SMS (Animal Science)
4	Milk	3000 l	1,00,000/-	SMS (Animal Science)

16. Activities of soil, water and plant testing laboratory during 2022-23

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	1000	
16.4	Plant	750	
16.5	Others, pl. specify		

17. E-linkage during 2022-23

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	FAS, Extension 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.
IPDM in Redgram	Integrated Pest and Disease management in Red gram	30,000/-

20. EDPs and Method Demonstrations

Description of model(s)	No. of models/units	Budget proposed in Rs.
Raw Banana Powder for enhanced income in FIG	1 FIG	55,000/-
Establishment and promotion of Live fish marketing unit.	1	0.25 lakh

21. Details of budget utilization (2021-22) upto 31 January 2022

Sl.No.	Particulars	Sanctioned	Released	Expenditure
21.1	**(A). REVENUE (Recurring Contingencies)**			
21.1.1	**Pay & Allowances**	233.29	160.48	135.17
21.1.2	**Traveling allowances**	0.69	0.67	0.67
21.1.3	**Contingencies**			
21.1.3.*a*	*Stationery, telephone, postage and other expenditure on office running, publication of Newsletter*	2.65	1.90	1.90
21.1.3.*b*	*POL, repair of vehicles, tractor and equipments*	1.99	1.99	1.99
21.1.3.*c*	*Food/refreshment for farmers/extension personnel @ Rs.150/person/day*	0.99	0.78	0.78
21.1.3.*d*	*Training material (need based materials and equipments for conducting the training)*	0.43	0.40	0.40
21.1.3.*e*	*Frontline demonstrations*	5.12	3.92	3.92
21.1.3.*f*	*On farm testing (OFTs)/Technology Assessment*	0.76	0.56	0.56
21.1.3.*g*	*Integrated Farming System (IFS) (Min. 5 Units)*	0.00	0.00	0.00
21.1.3.*h*	*Training of extension functionaries*	0.19	0.19	0.19
21.1.3.*i*	*Extension activities/services*	0.49	0.26	0.26
21.1.3.*j*	*Farmers' Field School*	0.00	0.00	0.00
21.1.3.*k*	*EDP (2 Nos.) / Innovative activities*	0.00	0.00	0.00
21.1.3.*l*	*Soil & water testing & issue of soil health cards*	0.02	0.02	0.02
21.1.3.*m*	*Maintenance of building*	0.00	0.00	0.00
21.1.3.*n*	*Farmers Conclave, KVK Conference*	0.00	0.00	0.00
21.1.3.*o*	*Video production*	0.00	0.00	0.00
21.1.3.*p*	*Library (Purchase of Journals, Periodicals, News Papers& Magazines)*	0.07	0.04	0.04
	Total Recurring	**246.69**	**171.21**	**145.90**
21.2	**(B). CAPITAL (Non-Recurring Contingencies)**			
21.2.1	**Equipment& Furniture**	6.00	3.00	0.10
21.2.2	**Works**	0.00	0.00	0.00
21.2.3	**Vehicle**	0.00	0.00	0.00
21.2.3 a	Four wheeler (replacement)	0.00	0.00	0.00
21.2.4	**Library**	0.00	0.00	0.00
	TotalNon Recurring	**6.00**	**3.00**	**0.10**
21.3	**(C). REVOLVING FUND**	0.00	0.00	0.00
	GRAND TOTAL (A+B+C)	**252.69**	**174.21**	**146.00**

22.Details of Budget Estimate based on proposed action plan(2022-23)

Sl.No.	Particulars	BE 2022-23 proposed (Rs. In Lakhs)
22.1	**(A). REVENUE (Recurring Contingencies)**	
21.1.1	**Pay & Allowances**	210.00
22.1.2	**Traveling allowances**	1.50
22.1.3	**Contingencies**	**23.80**
22.1.3.*a*	*Stationery, telephone, postage and other expenditure on office running, publication of Newsletter*	4.00
22.1.3.*b*	*POL, repair of vehicles, tractor and equipments*	3.00
22.1.3.*c*	*Food/refreshment for farmers / extension personnel @ Rs.150/person/day*	1.50
22.1.3.*d*	*Training material (need based materials and equipments for conducting the training)*	1.00
22.1.3.*e*	*Frontline demonstrations*	5.70
22.1.3.*f*	*On farm testing (OFTs)/Technology Assessment*	0.55
22.1.3.*g*	*Integrated Farming System (IFS) (Min. 5 Units)*	0.50
22.1.3.*h*	*Training of extension functionaries*	0.50
22.1.3.*i*	*Extension activities/services*	1.00
22.1.3.*j*	*Farmers' Field School*	0.30
22.1.3.*k*	*EDP (2 Nos.) / innovative activities*	2.25
22.1.3.*l*	*Soil &water testing & issue of soil health cards*	0.30
22.1.3.*m*	*Maintenance of building*	3.00
22.1.3.*n*	*Library (Purchase of Journals, Periodicals, News Papers& Magazines)*	0.20
22.1.3.o	*Others, pl. specify*	0.00
	Total Recurring (A)	**235.30**
22.2	**(B). CAPITAL (Non-Recurring Contingencies)**	
22.2.1	**Equipments& Furniture**	3.00
22.2.2	**Works**	10.00
22.2.3	**Vehicle**	0.00
22.2.3.a	Four wheeler (replacement)	0.00
22.2.4	**Library**	0.00
	Total Non Recurring (B)	**13.00**
	Grand Total (A + B)	**248.30**

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